INTEGRATED
PERFORMANCE
CONSULTANTS

January 29th, 2021

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

Attention: Information Technology Unit

Malibu Civic Center WTP — WDR: R4-2015-0051
2020 4th Quarter Monitoring Report — MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter.

COVID-19 pandemic related business restrictions continued to suppress flow and load throughout this quarter. Continuous MicroC addition was required for BOD replacement and NOx control. In December, the Governor tightened up these COVID-19 related restrictions due to waning ICU capacity, issuing another stay at home order and further limiting restaurant operations to takeout and delivery only, which made biological process control yet more difficult.

SUMMARY OF NON-COMPLIANCE

There were no instances of non-compliance during this reporting period.

INFLUENT & EFFLUENT MONITORING

The results of influent and effluent monitoring are shown in Attachment A.

WASTE HAULING

30,000 gallons of thickened waste activated sludge were hauled off site from the MBT this quarter for biological process control.

GROUNDWATER AND SURFACE WATER MONITORING

The results of groundwater and surface water monitoring are provided in the attached report compiled by Rincon Consultants.

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

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

Executed on the 29th day of January, 2021, at Irvine, CA.

Sincerely,

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

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

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY											MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15							
Limit 3															240	med			45		45																
10/01/2020	Thu	43.1			53.2	0.0	28.9	24.3	0.0	0.06	0.45	0.15	72.6	142.6	7.4	1.79	1.79	1.79	0.090																			
10/02/2020	Fri	46.4			35.5	0.0	14.4	21.1	0.0	0.10	0.47	0.76	71.7	153.6	7.3	1.79	1.79	1.79	0.090												4.9	0.1	840	123	194	0.39	0.09
10/03/2020	Sat	49.9			44.9	0.0	2.7	42.2	0.0	0.15	0.45	0.71	71.3	160.3	7.4	1.79	1.79	1.79	0.120																			
10/04/2020	Sun	46.0			62.9	0.0	22.9	40.0	0.0	0.17	0.45	0.76	71.4	154.5	7.4	1.79	1.79	1.79	0.100																			
10/05/2020	Mon	45.7			42.0	0.0	21.4	20.6	0.0	0.14	0.19	0.00	71.0	146.8	7.3	1.79	1.79	1.79	0.049																			
10/06/2020	Tue	53.2			65.9	0.0	22.6	43.4	0.0	0.11	0.48	0.15	70.7	136.5	7.2	1.79	1.79	1.79	0.060																			
10/07/2020	Wed	46.5	111	296	45.8	0.0	20.8	24.9	0.0	0.12	0.22	0.15	71.6	130.0	7.4	1.79	1.79	1.79	0.110	2.0	100.0	0.9	100.0	0.2	0.1	0.05	0.14	1.11	0.97	1.30							
10/08/2020	Thu	47.2			50.9	0.0	24.3	26.6	0.0	0.14	0.45	1.02	73.2	159.6	7.4	1.79	1.79	1.79	0.080																			
10/09/2020	Fri	47.1			43.2	0.0	11.1	32.1	0.0	0.14	0.34	0.41	72.1	163.8	7.1	1.79	1.79	1.79	0.150																			
10/10/2020	Sat	48.8			44.5	0.0	2.6	41.9	0.0	0.13	0.46	1.17	71.3	152.4	7.9	1.79	1.79	1.79	0.100																			
10/11/2020	Sun	50.5			58.5	0.0	22.5	36.0	0.0	0.15	0.37	0.66	70.9	158.1	7.8	1.79	1.79	1.79	0.049																			
10/12/2020	Mon	45.0			38.0	0.0	5.3	32.7	0.0	0.13	0.31	0.25	69.2	143.8	7.6	1.79	1.79	1.79	0.049																			
10/13/2020	Tue	55.0			58.9	0.0	36.4	22.5	0.0	0.10	0.49	0.20	67.8	138.5	7.6	1.79	1.79	1.79	0.049																			
10/14/2020	Wed	43.5	516	520	62.8	0.0	8.5	54.3	0.0	0.09	0.12	0.00	66.8	111.7	7.3	1.79	1.79	1.79	0.049	2.0	100.0	1.0	100.0	0.1	0.0	0.05	0.09	0.37	0.28	0.47							
10/15/2020	Thu	47.4			49.8	0.0	22.6	27.1	0.0	0.11	0.48	0.20	69.2	153.8	7.3	1.79	1.79	1.79	0.080																			
10/16/2020	Fri	51.0			27.8	0.0	14.3	13.5	0.0	0.13	0.48	1.38	69.8	159.3	7.4	1.79	1.79	1.79	0.060																			
10/17/2020	Sat	50.0			49.9	0.0	3.2	46.6	0.0	0.10	0.14	0.00	68.3	137.3	7.6	1.79	1.79	1.79	0.050																			
10/18/2020	Sun	49.2			65.3	0.0	22.5	42.7	0.0	0.12	0.34	0.15	68.0	116.0	7.5	1.79	1.79	1.79	0.080																			
10/19/2020	Mon	44.2			41.6	0.0	13.0	28.6	0.0	0.13	0.26	0.10	67.9	125.1	7.3	1.79	1.79	1.79	0.049																			
10/20/2020	Tue	53.2	237	372	61.4	0.0	22.8	38.6	0.0	0.11	0.12	0.00	67.5	109.9	7.0	1.79	1.79	1.79	0.070																			
10/21/2020	Wed	41.6			34.9	0.0	10.2	24.7	0.0	0.08	0.41	0.20	68.1	121.6	7.3	1.79	1.79	1.79	0.050	2.0	99.5	0.9	99.6	0.1	0.1	0.05	0.09	0.55	0.46	0.65							
10/22/2020	Thu	54.8			60.1	0.0	22.7	37.4	0.0	0.13	0.35	1.43	67.0	137.8	7.2	1.79	1.79	1.79	0.100																			
10/23/2020	Fri	45.8			46.0	0.0	3.0	43.0	0.0	0.13	0.44	1.02	69.7	151.5	6.9	1.79	1.79	1.79	0.060																			
10/24/2020	Sat	47.0			42.6	0.0	2.7	39.9	0.0	0.12	0.15	0.00	70.1	157.7	7.3	1.79	1.79	1.79	0.080																			
10/25/2020	Sun	44.6			55.6	0.0	19.5	36.1	0.0	0.14	0.37	0.15	ERR	ERR	7.4	1.79	1.79	1.79	0.050																			
10/26/2020	Mon	39.3			39.4	0.0	2.8	36.6	0.0	0.13	0.40	0.36	68.7	171.3	7.3	1.79	1.79	1.79	0.049																			
10/27/2020	Tue	39.8			50.0	0.0	22.7	27.4	0.0	0.07	0.19	0.00	69.0	166.9	7.8	1.79	1.79	1.79	0.049																			
10/28/2020	Wed	42.2	278	398	23.9	0.0	3.0	20.8	0.0	0.12	0.47	0.71	70.2	163.6	7.9	1.79	1.79	1.79	0.060	1.9	100.0	0.9	100.0	0.1	0.1	0.05	0.14	0.63	0.49	0.75							
10/29/2020	Thu	42.5			61.9	0.0	22.6	39.3	0.0	0.17	0.19	0.00	67.4	161.7	7.9	1.79	1.79	1.79	0.050																			
10/30/2020	Fri	42.6			31.9	0.0	7.3	24.6	0.0	0.14	0.27	0.46	67.4	143.3	8.0	1.79	1.79	1.79	0.050																			
10/31/2020	Sat	41.1			41.8	0.0	2.7	39.1	0.0	0.15	0.27	0.15	70.3	198.4	7.5	1.79	1.79	1.79	0.049																			
TOTAL	1,444			1,490.8	0.0	462.2	1,028.6	0.0																													
MAX	55.0	516	520	65.9	0.0	36.4	54.3	0.0	0.17	0.49	1.43	73.2	198.4	8.0	1.79	1.79	1.79	0.150	2.0	100.0	1.0	100.0	0.2	0.1	0.05	0.14	1.11	0.97	1.30	4.9	0.1	840	123	194	0.39	0.09
AVG	46.6	286	397	48.1	0.0	14.9	33.2	0.0	0.12	0.34	0.41	69.7	147.6	7.4	1.79	1.79	1.79	0.070	2.0	99.9	0.9	99.9	0.1	0.1	0.05	0.12	0.67	0.55	0.79	4.9	0.1	840	123	194	0.39	0.09
MIN	39.3	111	296	23.9	0.0	2.6	13.5	0.0	0.06	0.12	0.00	66.8	109.9	6.9	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.6	0.1	0.0	0.05	0.09	0.37	0.28	0.47	4.9	0.1	840	123	194	0.39	0.09

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	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY											MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15						
Limit 3															240	med			45		45															
11/01/2020	Sun	43.5			44.6	0.0	17.4	27.2	0.0	0.16	0.19	0.00	69.6	200.0	7.6	1.79	1.79	1.79	0.049																		
11/02/2020	Mon	41.6			35.7	0.0	4.2	31.5	0.0	0.12	0.42	1.22	69.6	189.5	7.8	1.79	1.79	1.79	0.049											4.9	2.9	864	118	241	0.26	0.08
11/03/2020	Tue	29.1	568	266	42.1	0.0	22.5	19.6	0.0	0.08	0.10	0.00	69.6	181.5	7.0	1.79	1.79	1.79	0.049																		
11/04/2020	Wed	43.4			42.5	0.0	5.3	37.2	0.0	0.05	0.08	0.00	69.6	161.8	7.9	1.79	1.79	1.79	0.049	6.0	97.7	0.9	99.8	0.1	0.1	0.05	0.28	0.81	0.53	0.92							
11/05/2020	Thu	44.4			61.8	0.0	20.7	41.1	0.0	0.05	0.45	0.71	69.7	153.6	8.2	1.79	1.79	1.79	0.050																		
11/06/2020	Fri	43.0			40.6	0.0	3.2	37.4	0.0	0.05	0.08	0.00	69.6	149.2	7.4	1.79	1.79	1.79	0.049																		
11/07/2020	Sat	46.8			44.1	0.0	2.5	41.6	0.0	0.03	0.15	0.00	69.6	131.0	7.3	1.79	1.79	1.79	0.050																		
11/08/2020	Sun	45.8			58.9	0.0	20.0	38.9	0.0	0.03	0.03	0.00	69.6	120.4	7.8	1.79	1.79	1.79	0.130																		
11/09/2020	Mon	43.4			41.6	0.0	2.6	39.0	0.0	0.04	0.08	0.00	69.6	160.1	6.7	1.79	1.79	1.79	0.049																		
11/10/2020	Tue	60.8			52.4	0.0	21.7	30.7	0.0	0.08	0.18	0.00	69.6	173.5	7.5	1.79	1.79	1.79	0.049																		
11/11/2020	Wed	40.8	217	465	50.4	0.0	2.9	47.5	0.0	0.16	0.21	0.87	69.6	160.3	7.5	1.79	1.79	1.79	0.060	2.0	100.0	0.9	100.0	0.1	0.1	0.05	0.11	0.81	0.70	0.95							
11/12/2020	Thu	42.1			53.8	0.0	20.2	33.6	0.0	0.03	0.35	0.41	69.6	172.0	7.2	1.79	1.79	1.79	0.049																		
11/13/2020	Fri	42.5			41.7	0.0	2.5	39.2	0.0	0.03	0.23	0.10	69.6	167.1	7.3	1.79	1.79	1.79	0.049																		
11/14/2020	Sat	47.8			40.3	0.0	2.7	37.6	0.0	0.03	0.18	0.00	69.6	154.7	7.2	1.79	1.79	1.79	0.049																		
11/15/2020	Sun	46.3			52.6	0.0	19.1	33.4	0.0	0.03	0.18	0.00	69.6	160.2	7.7	1.79	1.79	1.79	0.049																		
11/16/2020	Mon	42.0			48.2	0.0	3.5	44.7	0.0	0.03	0.03	0.00	69.7	116.1	7.3	1.79	1.79	1.79	0.080																		
11/17/2020	Tue	42.2	258	352	41.1	0.0	23.2	17.8	0.0	0.03	0.33	1.02	69.6	136.3	7.3	1.79	1.79	1.79	0.050																		
11/18/2020	Wed	42.1			50.8	0.0	2.7	48.0	0.0	0.03	0.12	0.00	69.6	129.4	7.0	1.79	1.79	1.79	0.060	2.0	99.4	0.9	99.7	0.1	0.0	0.05	0.09	0.51	0.42	0.61							
11/19/2020	Thu	56.3			52.8	0.0	22.6	30.2	0.0	0.03	0.38	0.61	69.6	160.1	7.6	1.79	1.79	1.79	0.049																		
11/20/2020	Fri	42.4			42.2	0.0	3.0	39.2	0.0	0.03	0.17	0.00	69.6	143.4	7.4	1.79	1.79	1.79	0.049																		
11/21/2020	Sat	45.5			41.0	0.0	2.6	38.4	0.0	0.06	0.48	0.05	69.6	142.7	7.2	1.79	1.79	1.79	0.049																		
11/22/2020	Sun	47.0			45.3	0.0	19.0	26.3	0.0	0.03	0.37	1.83	69.3	132.3	7.3	1.79	1.79	1.79	0.049																		
11/23/2020	Mon	41.2			53.0	0.0	2.6	50.5	0.0	0.03	0.15	0.00	69.6	150.6	7.5	1.79	1.79	1.79	0.060																		
11/24/2020	Tue	53.6	269	274	49.4	0.0	20.4	29.0	0.0	0.03	0.48	0.10	69.6	165.2	7.6	1.79	1.79	1.79	0.049																		
11/25/2020	Wed	42.4			50.9	0.0	2.5	48.3	0.0	0.03	0.15	0.00	69.6	164.4	7.4	1.79	1.79	1.79	0.049	4.0	98.5	2.0	99.3	0.1	0.1	0.05	0.09	0.80	0.71	0.95							
11/26/2020	Thu	25.7			30.2	0.0	2.5	27.7	0.0	0.03	0.31	0.36	69.6	182.8	7.4	1.79	1.79	1.79	0.049																		
11/27/2020	Fri	35.9			30.6	0.0	2.5	28.1	0.0	0.03	0.18	0.00	69.6	164.3	7.4	1.79	1.79	1.79	0.049																		
11/28/2020	Sat	39.4			53.8	0.0	22.8	31.0	0.0	0.03	0.41	0.10	69.6	160.7	7.5	1.79	1.79	1.79	0.049																		
11/29/2020	Sun	36.9			27.4	0.0	6.3	21.1	0.0	0.03	0.03	0.00	69.6	154.0	7.5	1.79	1.79	1.79	0.050																		
11/30/2020	Mon	36.4			31.0	0.0	2.6	28.3	0.0	0.03	0.15	0.00	69.6	159.1	7.7	1.79	1.79	1.79	0.049																		
TOTAL	1,290			1,350.6	0.0	306.4	1,044.2	0.0																													
MAX	60.8	568	465	61.8	0.0	23.2	50.5	0.0	0.16	0.48	1.83	69.7	200.0	8.2	1.79	1.79	1.79	0.130	6.0	100.0	2.0	100.0	0.1	0.1	0.05	0.28	0.81	0.71	0.95	4.9	2.9	864	118	241	0.26	0.08
AVG	43.0	328	339	45.0	0.0	10.2	34.8	0.0	0.05	0.22	0.25	69.6	156.5	7.4	1.79	1.79	1.79	0.054	3.5	98.9	1.2	99.7	0.1	0.1	0.05	0.14	0.73	0.59	0.86	4.9	2.9	864	118	241	0.26	0.08
MIN	25.7	217	266	27.4	0.0	2.5	17.8	0.0	0.03	0.03	0.00	69.3	116.1	6.7	1.79	1.79	1.79	0.049	2.0	97.7	0.9	99.3	0.1	0.0	0.05	0.09	0.51	0.42	0.61	4.9	2.9	864	118	241	0.26	0.08

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	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1				10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40								15							
Limit 3															240	med			45		45															
12/01/2020	Tue	38.2			63.0	0.0	51.2	11.8	0.0	0.03	0.16	0.00	69.6	154.1	7.4	1.79	1.79	1.79	0.049																		
12/02/2020	Wed	36.9	177	214	36.6	0.0	34.8	1.8	0.0	0.03	0.19	0.00	69.6	185.6	7.6	1.79	1.79	1.79	0.049	8.0	100.0	0.9	100.0	0.1	0.0	0.05	0.09	1.23	1.14	1.33	4.9	8.4	824	115	232	0.30	0.23
12/03/2020	Thu	35.9			42.2	0.0	31.8	10.4	0.0	0.03	0.19	0.00	69.6	198.8	6.5	1.79	1.79	1.79	0.049																		
12/04/2020	Fri	38.1			47.0	0.0	24.9	22.1	0.0	0.03	0.24	0.05	69.6	194.8	7.4	1.79	1.79	1.79	0.049																		
12/05/2020	Sat	40.0			54.2	0.0	37.6	16.5	0.0	0.03	0.20	0.00	69.6	178.4	7.0	1.79	1.79	1.79	0.049																		
12/06/2020	Sun	36.4			35.9	0.0	34.1	1.8	0.0	0.02	0.03	0.00	67.8	194.7	7.0	1.79	1.79	1.79	0.230																		
12/07/2020	Mon	35.5			41.8	0.0	23.3	18.5	0.0	0.03	0.03	0.00	69.6	198.3	7.6	1.79	1.79	1.79	0.130																		
12/08/2020	Tue	48.7	219	283	58.9	0.0	37.8	21.0	0.0	0.03	0.28	0.05	69.6	199.7	7.6	1.79	1.79	1.79	0.180																		
12/09/2020	Wed	37.7			37.0	0.0	34.7	2.2	0.0	0.03	0.03	0.00	69.6	198.0	7.6	1.79	1.79	1.79	0.160	2.0	99.3	0.9	99.6	0.1	0.4	0.05	0.16	1.22	1.06	1.69							
12/10/2020	Thu	39.9			45.0	0.0	24.6	20.4	0.0	0.03	0.13	0.00	69.6	179.2	7.7	1.79	1.79	1.79	0.560																		
12/11/2020	Fri	39.6			48.9	0.0	18.7	30.2	0.0	0.03	0.27	0.10	71.0	165.6	7.6	1.79	1.79	1.79	0.049																		
12/12/2020	Sat	38.1			59.3	0.0	32.3	27.0	0.0	0.03	0.21	0.10	76.5	170.7	6.8	1.79	1.79	1.79	0.050																		
12/13/2020	Sun	38.7			31.6	0.0	20.9	10.7	0.0	0.04	0.07	0.00	74.0	152.0	7.0	1.79	1.79	1.79	0.050																		
12/14/2020	Mon	36.3			44.7	0.0	17.1	27.6	0.0	0.05	0.15	0.00	75.3	185.7	7.8	1.79	1.79	1.79	0.049																		
12/15/2020	Tue	50.6	225	310	65.0	0.0	39.8	25.2	0.0	0.03	0.12	0.00	76.6	191.3	7.6	1.79	1.79	1.79	0.049																		
12/16/2020	Wed	36.1			42.0	0.0	22.7	19.2	0.0	0.03	0.05	0.00	78.3	192.3	7.7	1.79	1.79	1.79	0.049	2.0	99.4	0.9	99.6	0.1	0.3	0.05	0.09	0.62	0.53	0.99							
12/17/2020	Thu	37.8			38.3	0.0	15.6	22.6	0.0	0.03	0.12	0.00	77.7	193.5	7.8	1.79	1.79	1.79	0.049																		
12/18/2020	Fri	39.8			42.5	0.0	15.9	26.6	0.0	0.06	0.19	0.00	76.8	188.5	7.7	1.79	1.79	1.79	0.050																		
12/19/2020	Sat	37.7			53.1	0.0	32.1	21.1	0.0	0.03	0.15	0.00	76.3	178.9	7.5	1.79	1.79	1.79	0.049																		
12/20/2020	Sun	39.0			35.6	0.0	27.8	7.8	0.0	0.03	0.16	0.00	78.0	189.3	7.5	1.79	1.79	1.79	0.049																		
12/21/2020	Mon	41.1			41.0	0.0	16.1	24.9	0.0	0.03	0.22	1.12	78.2	199.1	7.7	1.79	1.79	1.79	0.050																		
12/22/2020	Tue	53.5			52.6	0.0	23.0	29.6	0.0	0.03	0.30	0.51	77.3	195.4	7.6	1.79	1.79	1.79	0.049																		
12/23/2020	Wed	42.0	216	308	50.8	0.0	23.8	27.0	0.0	0.05	0.21	1.73	77.0	156.5	7.4	1.79	1.79	1.79	0.070	1.9	100.0	2.0	100.0	0.1	0.1	0.05	0.09	0.54	0.45	0.64							
12/24/2020	Thu	30.4			37.6	0.0	15.6	21.9	0.0	0.07	0.10	0.00	76.0	136.4	7.9	1.79	1.79	1.79	0.049																		
12/25/2020	Fri	14.8			33.5	0.0	15.2	18.2	0.0	0.05	0.36	0.25	72.0	188.5	7.6	1.79	1.79	1.79	0.049																		
12/26/2020	Sat	37.7			48.4	0.0	23.5	24.9	0.0	0.04	0.06	0.00	72.1	180.7	7.4	1.79	1.79	1.79	0.049																		
12/27/2020	Sun	37.7			34.1	0.0	24.5	9.6	0.0	0.10	0.14	0.00	71.7	173.5	7.5	1.79	1.79	1.79	0.049																		
12/28/2020	Mon	38.5			47.8	0.0	14.8	33.1	0.0	0.07	0.48	0.76	71.9	179.8	7.6	1.79	1.79	1.79	0.049																		
12/29/2020	Tue	41.5	211	339	55.8	0.0	21.6	34.2	0.0	0.03	0.09	0.00	69.5	166.8	7.6	1.79	1.79	1.79	0.049																		
12/30/2020	Wed	40.9			32.1	0.0	2.9	29.2	0.0	0.03	0.43	0.10	71.3	178.0	7.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.6	0.1	0.0	0.05	0.09	0.98	0.89	1.08							
12/31/2020	Thu	36.2			38.3	0.0	3.1	35.2	0.0	0.04	0.48	0.20	72.7	187.5	7.4	1.79	1.79	1.79	0.049																		
TOTAL	1,195			1,394.3	0.0	761.9	632.4	0.0																													
MAX	53.5	225	339	65.0	0.0	51.2	35.2	0.0	0.10	0.48	1.73	78.3	199.7	7.9	1.79	1.79	1.79	0.560	8.0	100.0	2.0	100.0	0.1	0.4	0.05	0.16	1.23	1.14	1.69	4.9	8.4	824	115	232	0.30	0.23
AVG	38.6	210	291	45.0	0.0	24.6	20.4	0.0	0.04	0.19	0.16	73.0	181.7	7.5	1.79	1.79	1.79	0.083	3.2	99.6	1.1	99.8	0.1	0.2	0.05	0.10	0.92	0.81	1.14	4.9	8.4	824	115	232	0.30	0.23
MIN	14.8	177	214	31.6	0.0	2.9	1.8	0.0	0.02	0.03	0.00	67.8	136.4	6.5	1.8	1.8	1.79	0.049	1.9	99.3	0.9	99.6	0.1	0.0	0.05	0.09	0.54	0.45	0.64	4.9	8.4	824	115	232	0.30	0.23

ATTACHMENT B: QUARTERLY EFF

		>> DATE >>	1/14	4/13	7/8	10/6			
		MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals										
Aluminum		1	mg/L	0.017	0.023	0.025	0.00175	0.023	0.0166875	0.00175
Antimony		0.006	mg/L	0.0009	0.0009	0.0014	0.0016	0.0009	0.0012	0.0009
Arsenic		0.01	mg/L	0.0014	0.0022	0.0016	0.0011	0.0022	0.001575	0.0011
Asbestos		7	MFL	0	0	0	0	0	0	0
Barium		1	mg/L	0.016	0.012	0.018	0.021	0.016	0.01675	0.012
Beryllium		0.004	mg/L	0.00019	0.0019	0.00019	0.00019	0.0019	0.0006175	0.00019
Cadmium		0.005	mg/L	0.00019	0.0019	0.00019	0.00019	0.0019	0.0006175	0.00019
Chromium		0.05	mg/L	0.008	0.0025	0.0053	0.0045	0.008	0.005075	0.0025
Cyanide		0.15	mg/L	0.0000049	0.0000049	0.0000049	0.0049	0.0000049	0.001228675	0.0000049
Mercury		0.002	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Nickel		0.1	mg/L	0.004	0.0035	0.0046	0.0059	0.004	0.0045	0.0035
Selenium		0.05	mg/L	0.0026	0.0085	0.0024	0.002	0.0085	0.003875	0.002
Thallium		0.002	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Perchlorate		0.006	mg/L	0	0.004	0	0	0.004	0.001	0
Fluoride		2	mg/L	0.6	1.02	1.47	1.75	1.02	1.21	0.6
A2 - Radioactivity										
Radium-226 + Radium-228		5	pCi/L	0.762	0.867	0.762	1.097	0.867	0.872	0.762
Gross Alpha Particle Activity[1]		15	pCi/L	1.18	1.35	2.93	0.697	1.35	1.53925	0.697
Tritium		20,000	pCi/L	434	434	434	434	434	434	434
Strontium-90		8	pCi/L	0.546	0.546	0.665	0.139	0.546	0.474	0.139
Gross Beta Particle Activity		50	pCi/L	1.03	0.639	1.84	0.461	1.03	0.9925	0.461
Uranium		20	pCi/L	0.8	7.2	0.9	0.69	7.2	2.3975	0.69
A3 - Volatile Organic Chemicals										
Benzene		0.001	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Carbon Tetrachloride (CTC)		0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichlorobenzene		0.6	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1.4-Dichlorobenzene		0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,1-Dichloroethane		0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloroethane (1,2-DCA)		0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,1-Dichloroethene (1, 1-DCE)		0.006	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Cis-1,2-Dichloroethylene		0.006	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trans-1,2-Dichloroethylene		0.01	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Dichloromethane		0.005	mg/L	0.00049	0.00049	0.00049	0.0031	0.00049	0.0011425	0.00049
1,2-Dichloropropane		0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,3-Dichloropropene		0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Ethylbenzene		0.3	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Methyl-tert-butyl-ether (MTBE)		0.013	mg/L	0.01249	0.00049	0.00049	0.0033	0.01249	0.0041925	0.00049
Monochlorobenzene		0.07	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Styrene		0.1	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,1,2,2-Tetrachloroethane		0.001	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Tetrachloroethylene (PCE)		0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049

		>> DATE >>	1/14	4/13	7/8	10/6			
		MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A3 - Non-Volatile Synthetic Organics										
Alachlor		0.002	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Atrazine		0.001	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Bentazon		0.018	mg/L	0.00019	0.00019	0.00019	0.0009	0.0009	0.0003675	0.00019
Benzo(a)pyrene		0.0002	mg/L	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049
Carbofuran		0.018	mg/L	0.0019	0.0009	0.0009	0.0009	0.0019	0.00115	0.0009
Chlordane		0.0001	mg/L	0.000089	0.000089	0.0009	0.000089	0.0009	0.00029175	0.000089
2,4-D		0.07	mg/L	0.00019	0.00019	0.00019	0.0009	0.0009	0.0003675	0.00019
Dalapon		0.2	mg/L	0.0019	0.0019	0.00019	0.0049	0.0049	0.0022225	0.00019
1,2-Dibromo-3-chloropropane (DBCP)		0.0002	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Di(2-ethylhexyl)adipate		0.4	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate		0.004	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Dinoseb		0.007	mg/L	0.00019	0.00019	0.0019	0.0009	0.0019	0.000795	0.00019
Diquat		0.02	mg/L	0.001884	0.001863	0	0	0.001884	0.00093675	0
Endothall		0.1	mg/L	0.2216	0.2188	0	0	0.2216	0.1101	0
Endrin		0.002	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)		0.00005	mg/L	0.000019	0.000019	0.000019	0.000019	0.000019	0.000019	0.000019
Glyphosate		0.7	mg/L	0.0498	0.03916	0	0	0.0498	0.02224	0
Heptachlor		0.00001	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Heptachlor Epoxide		0.00001	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Hexachlorobenzene		0.001	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Hexachlorocyclopentadiene		0.05	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
lindane		0.0002	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Methoxychlor		0.03	mg/L	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049
Molinate		0.02	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Oxamyl		0.05	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Pentachlorophenol		0.001	mg/L	0.0019	0.00019	0.00019	0.000089	0.0019	0.00059225	0.000089
Picloram		0.5	mg/L	0.0019	0.00019	0.00019	0.0009	0.0019	0.000795	0.00019
Polychlorinated Biphenyls		0.0005	mg/L	0.000089	0.000089	0.00009	0.000089	0.00009	0.00008925	0.000089
Simazine		0.004	mg/L	0.0019	0.00019	0.00019	0.00019	0.0019	0.0006175	0.00019
Thiobencarb		0.07	mg/L	0.0019	0.00019	0.00019	0.00019	0.0019	0.0006175	0.00019
Toxaphene		0.003	mg/L	0.000089	0.000089	0.00009	0.000089	0.00009	0.00008925	0.000089
2,3,7,8-TCDD (Dioxin)		3x10-a	mg/L	2.48	2.24	1.32	0	2.48	1.51	0
2,4,5-TP (Silvex)		0.05	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
A4 - Disinfection Byproducts										
Total Trihalomethanes (TTHM)		0.08	ppb	33.8	51.7	21.7	85.8	85.8	48.25	21.7
Bromodichloromethane				4.9	17.5	7.8	31.1	31.1	15.325	4.9
Bromoform				0.49	7.1	0.049	1.0	7.1	2.15975	0.049
Chloroform				28.5	6.8	10.7	44	44	22.5	6.8
Dibromochloromethane				0.49	20.3	2.8	9.8	20.3	8.3475	0.49
Haloacetic acid (five) (HAA5)		0.06	ppb	94.4	247	40.0	18.5	247	99.975	18.5
Monochloroacetic acid			ppb	70.3	219	18.3	1.49	219	77.2725	1.49
Dichloroacetic acid			ppb	18.6	7.9	11.9	1.49	18.6	9.9725	1.49

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

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

Trichloroacetic acid		ppb	4.4	2.5	4.1	17.7	17.7	7.175	2.5
Monobromoacetic acid		ppb	0.9	4.3	2.3	1.49	4.3	2.2475	0.9
Dibromoacetic acid		ppb	0.9	14.1	3.4	1.49	14.1	4.9725	0.9
Bromate 121	0.01	ppb	4.9	4.9	4.9	4.9	4.9	4.9	4.9
Chlorite131	1	ppb	19.9	19.9	19.9	19.9	19.9	19.9	19.9
A5 - Secondary MCLs									
Aluminum	0.2	mg/L	0.017	0.023	0.025	0.028	0.028	0.02325	0.017
Color	150	CU	31	21.2	26.8	22.8	31	25.45	21.2
Copper	1	mg/L	0.0014	0.0023	0.0009	0.0005	0.0023	0.001275	0.0005
Corrosivity (Langelier Index)	Non		-0.11	-0.04	-0.23	-0.37	-0.04	-0.1875	-0.37
Foam Agents (MBAS)	0.5	mg/L	0.08	0.19	0.28	0.10	0.28	0.1625	0.08
Iron	0.3	mg/L	0.019	0.000019	0.03	0.019	0.03	0.01700475	0.000019
Manganese	0.05	mg/L	0.0033	0.0007	0.014	0.049	0.049	0.01675	0.0007
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.01249	0.00049	0.00049	0.0033	0.01249	0.0041925	0.00049
Odor - Threshold	3	T.O.N.	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Silver	0.1	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Thiobencarb	0.001	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Zinc	5	mg/L	0.013	0.0088	0.013	0.047	0.047	0.02045	0.0088

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

	DATE	DAY	GAL	LOCATION	DESCRIPTION	REASON FOR HAUL	DESTINATION	HAULER
FIRST QUARTER	01/07/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	01/23/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/14/2020	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/18/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/21/2020	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/24/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	03/25/2020	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		35,000					
SECOND QUARTER	04/30/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/22/2020	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	06/18/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		15,000					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

THIRD QUARTER	07/16/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	07/30/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	08/13/2020	Thu	4,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	08/13/2020	Thu	1,000	VTX	Septic Sewage & Sludge	Maintenance Support	JWPCP	Ely Jr's Pumping
	08/27/2020	Thu	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	09/08/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/10/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/30/2020	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		35,000					
FOURTH QUARTER	10/07/2020	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	10/20/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/02/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/09/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/17/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/28/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		30,000					

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

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

Attention: Ric Vardel
Report Date: 07-Oct-20 14:13
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0007-01) Collected: 01-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00131	1.8	01-Oct-20	03-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00131	1.8	01-Oct-20	03-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00209	0.1	01-Oct-20	01-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00208	0.05	02-Oct-20	02-Oct-20	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/7/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20F0007

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/1/20	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	10/1/20	1200
Received by: EB	Evan B pcl	10.1.20	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	OCT 01 2020		1238

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

Attention: Ric Vardel
Report Date: 08-Oct-20 14:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0031-01) Collected: 02-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00207	1.8	02-Oct-20	04-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00207	1.8	02-Oct-20	04-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00307	0.1	02-Oct-20	02-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00306	0.05	03-Oct-20	03-Oct-20	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0031

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
OCT 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alberto (GSE)	10/02/20	1730
Received by	EB Cruz		10/2/20	1730
Relinquished by	EB Cruz		10.2.20	1400
Received by				
Relinquished by				
Received at lab by		OCT 02 2020		1253

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 09-Oct-20 13:45
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0037-01) Collected: 02-Oct-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AJ00532	5	05-Oct-20	06-Oct-20	**840 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AJ00737	20.0	07-Oct-20	07-Oct-20	**194 mg/l**	
Sulfate as SO4	EPA 300.0	AJ00737	10.0	07-Oct-20	07-Oct-20	**123 mg/l**	
Boron	EPA 200.7	AJ00523	0.10	05-Oct-20	07-Oct-20	**0.39 mg/l**	
Phosphorus, Total as P	EPA 365.3	AJ00308	0.05	03-Oct-20	03-Oct-20	**0.14 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AJ00423	0.08	04-Oct-20	04-Oct-20	**0.09 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AJ00530	5	05-Oct-20	05-Oct-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/9/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0037

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/20	1140	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI-									
Global ID: WDR100000359									

RECEIVED
OCT 02 2020
BY

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/02/20	1130
Received by	EG	Courier	10/2/20	1130
Relinquished by	EG	Courier	10.2.20	1400
Received by				
Relinquished by				
Received in lab by		OCT 02 2020		1306

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 08-Oct-20 14:13
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0047-01) Collected: 03-Oct-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00305	1.8	03-Oct-20	05-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00305	1.8	03-Oct-20	05-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00422	0.1	03-Oct-20	03-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00309	0.05	03-Oct-20	03-Oct-20	**0.12 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0047

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: Mario Aguirre
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/3/20	9:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	10/3/20	9:52
Received by	Alex Walk. Jr (PCL)	10-3-20	11:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by		OCT 03 2020	1400

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 08-Oct-20 14:15
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0052-01) Collected: 04-Oct-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00421	1.8	04-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00421	1.8	04-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	04-Oct-20	04-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00527	0.05	05-Oct-20	05-Oct-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0052

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/4/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/4/20	9:55
Received by		RM PCL	10/4/20	1048
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	10/4/20	1304

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

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

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

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

16. Holding Times

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 08-Oct-20 14:19
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0065-01) Collected: 05-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00531	1.8	05-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00531	1.8	05-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	05-Oct-20	05-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00632	0.05	06-Oct-20	06-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0065

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~

Project: ~~(MCC) EFF - Daily~~

Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~

Sampled by: C.A.

Report Attention: ~~Eric~~ Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/05/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 28.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	10/05/20	12:00
Received by		Courier (SPL)	10/5/20	12:00
Relinquished by		Cindy Martinez (SPL)	10/05-20	13:35
Received by				
Relinquished by				
Received in lab by		OCT 05 2020		1340

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
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(818) 639-5300 ph
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pat-chem.com

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

Attention: Ric Vardel
Report Date: 08-Oct-20 14:21
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0102-01) Collected: 06-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00628	1.8	06-Oct-20	08-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00628	1.8	06-Oct-20	08-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	06-Oct-20	06-Oct-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00727	0.05	07-Oct-20	07-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2020102

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/06/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2/26.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	10/06/20	1200
Received by		Cindy Martinez	10-6-20	12:30
Relinquished by		Cindy Martinez	10-6-20	15:13
Received by				
Relinquished by				
Received in lab by			OCT 06 2020	13:11

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Physical Properties							
Total Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**176 mg/l**	
Carbonate Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**176 mg/l**	
Hydroxide Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**<1 mg/l**	
Color	SM 2120 C	AJ00731	5.0	07-Oct-20	07-Oct-20	**22.8 CU**	
Specific Conductance (EC)	SM 2510B	AJ01015	0.1	10-Oct-20	10-Oct-20	**1340 uS/cm**	
Odor	SM 2150B	AJ00742	1	07-Oct-20	07-Oct-20	**<1 T.O.N.**	
Temperature	SM 2550	AJ00729		06-Oct-20	06-Oct-20	**79 °F**	
Inorganic Constituents							
Silver	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	
Aluminum	EPA 200.8	AJ00817	5.0	08-Oct-20	14-Oct-20	**28 ug/l**	
Fluoride	EPA 300.0	AJ00737	0.10	07-Oct-20	08-Oct-20	**1.75 mg/l**	
Arsenic	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**1.1 ug/l**	
Barium	EPA 200.8	AJ00817	0.5	08-Oct-20	14-Oct-20	**21 ug/l**	
Beryllium	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	
Calcium	EPA 200.7	AJ00721	0.10	07-Oct-20	08-Oct-20	**38.5 mg/l**	
Cadmium	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**4.5 ug/l**	
Copper	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**0.5 ug/l**	
Cyanide (total)	SM 4500-CN-E	AJ00821	0.0050	08-Oct-20	08-Oct-20	**<0.0050 mg/l**	
Iron	EPA 200.7	AJ00721	0.02	07-Oct-20	08-Oct-20	**<0.02 mg/l**	
Mercury	EPA 245.1	AJ01213	0.20	12-Oct-20	12-Oct-20	**<0.20 ug/l**	
Magnesium	EPA 200.7	AJ00721	0.10	07-Oct-20	08-Oct-20	**20.2 mg/l**	
Manganese	EPA 200.8	AJ00817	0.5	08-Oct-20	14-Oct-20	**49 ug/l**	
Nickel	EPA 200.8	AJ00817	0.5	08-Oct-20	14-Oct-20	**5.9 ug/l**	
Lead	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

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

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	06-Oct-20	06-Oct-20	**7.7 pH Units**	A-01
Antimony	EPA 200.8	AJ00817	1.0	08-Oct-20	14-Oct-20	**1.6 ug/l**	
Selenium	EPA 200.8	AJ00817	2.0	08-Oct-20	14-Oct-20	**2.0 ug/l**	
Thallium	EPA 200.8	AJ00817	1.0	08-Oct-20	14-Oct-20	**<1.0 ug/l**	
Uranium	EPA 200.8	AJ00817	0.7	08-Oct-20	14-Oct-20	**<0.7 pCi/L**	
Zinc	EPA 200.8	AJ00817	1.0	08-Oct-20	14-Oct-20	**47 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AJ00732	0.08	07-Oct-20	07-Oct-20	**0.10 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**3.1 ug/l**	
1,2-Dichloropropane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**3.3 ug/l**	
Chlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Styrene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Volatile Organic Chemicals (VOCs)							
1,1,2,2-Tetrachloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Tetrachloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Toluene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**31.1 ug/l**	
Bromoform	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**1.0 ug/l**	
Chloroform	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**44.0 ug/l**	
Dibromochloromethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**9.8 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AJ01339		13-Oct-20	13-Oct-20	*100 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AJ01339		13-Oct-20	13-Oct-20	*112 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AJ01339		13-Oct-20	13-Oct-20	*106 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Dichloroacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Trichloroacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**17.7 ug/l**	
Monobromoacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Dibromoacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AJ02042		20-Oct-20	23-Dec-20	*96.7 % (60-140)*	
Bromate	EPA 300.0	AJ01334	5.0	13-Oct-20	13-Oct-20	**<5.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Disinfection Byproducts							
Chlorite	EPA 300.0	AJ01334	20.0	13-Oct-20	13-Oct-20	**<20.0 ug/l**	
Haloacetic Acids (HAA5)	[CALC]	[CALC]	7.50	13-Oct-20	23-Dec-20	**18.5 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	6.00	13-Oct-20	14-Oct-20	**85.8 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AJ02041	0.01	20-Oct-20	22-Oct-20	**<0.01 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AJ02041	0.02	20-Oct-20	22-Oct-20	**<0.02 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AJ01216	2.0	12-Oct-20	13-Oct-20	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AJ01216	2.0	12-Oct-20	13-Oct-20	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AJ01216		12-Oct-20	13-Oct-20	*62.7 % (50-120)*	
Alachlor	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Atrazine	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Molinate	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Simazine	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AJ01924		19-Oct-20	30-Oct-20	*66.0 % (40-120)*	
Chlordane	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Endrin	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Heptachlor	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Methoxychlor	EPA 508	AJ00824	0.05	08-Oct-20	08-Oct-20	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

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Customer: **Integrated Performance Consultants, Inc.**
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Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1242 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Total PCBs	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Toxaphene	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AJ00824		08-Oct-20	08-Oct-20	*50.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AJ00824		08-Oct-20	08-Oct-20	*52.5 % (50-120)*	
Bentazon	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
2,4-D	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
Dalapon	EPA 515.1	AJ02037	5.0	20-Oct-20	23-Oct-20	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AJ02037	0.1	20-Oct-20	23-Oct-20	**<0.1 ug/l**	
Picloram	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AJ02037	0.2	20-Oct-20	23-Oct-20	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AJ02037		20-Oct-20	23-Oct-20	*82.0 % (60-140)*	
Benzo (a) pyrene	EPA 550	AJ00828	0.05	08-Oct-20	13-Nov-20	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AJ00828		08-Oct-20	13-Nov-20	*59.6 % (45-120)*	
Carbofuran	EPA 632	AJ00827	1.0	08-Oct-20	16-Nov-20	**<1.0 ug/l**	
Oxamyl	EPA 632	AJ00827	2.0	08-Oct-20	16-Nov-20	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 632	AJ00827		08-Oct-20	16-Nov-20	*104 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

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

Notes and Definitions

A-01 Langelier Index = -0.37 (Non-Corrosive)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 322018230
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Berentsen
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 10/07/2020
Analyzed: 10/10/2020

Proj: 20J0139

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
20J0139-01 322018230-0001	10/7/2020 03:35 PM	100	1288	0.0650	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.73
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.73

Collection Date/Time: *10/06/2020 11:45 AM*

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 10/11/2020 09:43:15

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

OrderID: 322018230

SUBCONTRACT ORDER

Pat-Chem Laboratories

20J0139 **#322018230**

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

LA Testing
520 Mission St,
South Pasadena, CA 91030
Phone :(800) 303-0047
Fax:

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20J0139-01 **Water**	**Sampled: 06-Oct-20 11:45**			**IPC [MCC] EFF-Quarterly**
Asbestos Water	21-Oct-20 12:00	04-Apr-21 11:45		
Containers Supplied:				

Per Jennifer: wastewater

Released By	Date	Received By	Date
[signature]	OCT 07 2020 12:30pm	[signature]	10/7/20 2:45pm
Released By	Date	Received By	Date

November 17, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2014004
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
20J0139-01	10/06/2020	10/12/2020	SP 2014004-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Organic QC

547	10/14/2020:216510 All analysis quality controls are within established criteria.
	10/14/2020:212087 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Glyphosate: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
548.1	10/20/2020:216796 All analysis quality controls are within established criteria.
	10/13/2020:212023 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549	10/13/2020:212022 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549.2	10/19/2020:216800 All analysis quality controls are within established criteria.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 17, 2020 Lab ID : SP 2014004
Pat-Chem Laboratories Customer : 2-12670

Radio QC

900.0	11/16/2020:218427 All analysis quality controls are within established criteria.
	10/13/2020:211996 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	11/10/2020:218098 All analysis quality controls are within established criteria.
	11/02/2020:212852 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	10/21/2020:218267 All analysis quality controls are within established criteria.
	10/21/2020:212366 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
Ra - 05	11/10/2020:218283 All analysis quality controls are within established criteria.
	11/08/2020:212849 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2020-11-17

November 17, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20J0139-01
Project : 20J0139

Lab ID : SP 2014004-001
Customer ID : 2-12670

Sampled On : October 6, 2020-11:45
Sampled By : Not Available
Received On : October 12, 2020-13:40
Matrix : Waste Water

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 547 Glyphosate	ND	20	ug/L		547	10/14/20:212087	547	10/14/20:216510
EPA 548.1 Endothall	ND	40	ug/L		548.1	10/13/20:212023	548.1	10/20/20:216796
EPA 549 Diquat	ND	4	ug/L		549	10/13/20:212022	549.2	10/19/20:216800

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

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November 17, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20J0139-01
Project : 20J0139

Lab ID : SP 2014004-001
Customer ID : 2-12670

Sampled On : October 6, 2020-11:45
Sampled By : Not Available
Received On : October 12, 2020-13:40
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	3.74 ± 0.681	0.697	pCi/L	15/5	900.0	10/13/20-08:24 2P2011996	900.0	11/16/20-13:33 2A2018427
Gross Beta	3.43 ± 0.465	0.461	pCi/L	50	900.0	10/13/20-08:24 2P2011996	900.0	11/16/20-13:33 2A2018427
Total Alpha Radium (226)	0.214 ± 0.197	0.407	pCi/L	3	903.0	11/02/20-18:00 2P2012852	903.0	11/10/20-14:24 2A2018098
Tritium	226 ± 272	434	pCi/L	20000	906.0	10/21/20-08:30 2P2012366	906.0	10/21/20-23:20 2A2018267
Ra 228	0.000 ± 0.580	0.400	pCi/L	2	Ra - 05	11/08/20-12:00 2P2012849	Ra - 05	11/10/20-18:30 2A2018283

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

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CA ELAP Certification No. 2810

November 17, 2020 Lab ID : SP 2014004
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Glyphosate	547	10/14/20:212087SG	Blank	ug/L		ND	<20	
			LCS	ug/L	200.0	120 %	71-129	
			MS	ug/L	200.0	132 %	56-139	
		(CC 2083261-001)	MSD	ug/L	200.0	141 %	56-139	435
			MSRPD	ug/L	200.0	6.3%	≤15	
	547	10/14/20:216510SG	CCV	ug/L	100.0	114 %	80-120	
			CCV	ug/L	200.0	103 %	80-120	
Endothall	548.1	10/13/20:212023SG	Blank	ug/L		ND	<40	
			LCS	ug/L	83.33	65.8 %	22-76	
			MS	ug/L	83.33	35.2 %	15-87	
		(SP 2014004-001)	MSD	ug/L	83.33	21.4 %	15-87	
			MSRPD	ug/L	83.33	11	≤40	
	548.1	10/20/20:216796SG	CCV	ug/L	2500	94.9 %	70-130	
			CCV	ug/L	1000	90.5 %	70-130	
Diquat Dibromide	549	10/13/20:212022SG	Blank	ug/L		ND	<4	
			LCS	ug/L	20.00	46.3 %	10-114	
			MS	ug/L	20.00	56.9 %	0-104	
		(SP 2014004-001)	MSD	ug/L	20.00	60.1 %	0-104	
			MSRPD	ug/L	20.00	0.63	≤4	
	549.2	10/19/20:216800SG	CCV	ug/L	1000	89.0 %	80-120	
			CCV	ug/L	500.0	83.7 %	80-120	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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CA ELAP Certification No. 2810

November 17, 2020 Lab ID : SP 2014004
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	11/16/20:218427JCA	CCV	cpm	7539	40.6 %	35-47	
			CCB	cpm		0.100	0.16	
Beta	900.0	11/16/20:218427JCA	CCV	cpm	7539	93.6 %	83-94	
			CCB	cpm		0.4600	0.58	
Gross Alpha	900.0	10/13/20:211996iwc	Blank	pCi/L		0.81	3	
			LCS	pCi/L	201.1	79.4 %	75-125	
			MS	pCi/L	201.1	156 %	60-140	435
		(STK2054182-001)	MSD	pCi/L	201.1	156 %	60-140	435
			MSRPD	pCi/L	201.1	0.2%	≤30	
Gross Beta	900.0	10/13/20:211996iwc	Blank	pCi/L		0.29	4	
			LCS	pCi/L	36.00	92.0 %	84-160	
			MS	pCi/L	36.00	80.9 %	80-130	
		(STK2054182-001)	MSD	pCi/L	36.00	78.3 %	80-130	435
			MSRPD	pCi/L	201.1	3.0%	≤30	
Alpha	903.0	11/10/20:218098JCA	CCV	cpm	7881	39.2 %	37-46	
			CCB	cpm		0.0800	0.16	
Total Alpha Radium (226)	903.0	11/02/20:212852emv	RgBlk	pCi/L		0.09	2	
			LCS	pCi/L	23.32	73.6 %	52-107	
			BS	pCi/L	23.32	69.0 %	43-111	
			BSD	pCi/L	23.32	67.7 %	43-111	
			BSRPD	pCi/L	23.32	2.0%	≤35.5	
Tritium	906.0	10/21/20:212366jca	Blank	pCi/L		49	300	
			LCS	pCi/L	1643	96.9 %	75-125	
			BS	pCi/L	1643	92.2 %	75-125	
			BSD	pCi/L	1643	94.1 %	75-125	
			BSRPD	pCi/L	1643	2.0%	≤25	
	906.0	10/21/20:218267jca	CCV	pCi/L	23940	99.3 %	90-110	
			CCB	pCi/L		144	500	
Beta	Ra - 05	11/10/20:218283emv	CCV	cpm	7881	89.8 %	84-94	
			CCB	cpm		0.4600	0.48	
Ra 228	Ra - 05	11/08/20:212849emv	RgBlk	pCi/L		0.03	3	
			LRS	pCi/L	12.57	76.5 %	65-108	
			BS	pCi/L	12.57	84.5 %	75-125	
			BSD	pCi/L	12.57	102 %	75-125	
			BSRPD	pCi/L	12.57	2.2	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Quality Control - Radio

Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

November 3, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2014004

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Perchlorate

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-11-03

Enclosure

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 02-Nov-2020

Project Name: No Project
Project Number: SP 2014004 - (2-12670)

Work Order Number: C0J3616
Received on Ice (Y/N): Yes Temp: 0 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

Sample Identification

Lab Sample #	Client Sample ID	Matrix	Date Sampled	By	Date Submitted	By
C0J3616-01	20J0139-01 Composite	Liquid	10/6/20 11:45	Not Available	10/28/20 11:40	GLS

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 02-Nov-2020

Project Name: No Project
Project Number: SP 2014004 - (2-12670)

Work Order Number: C0J3616
Received on Ice (Y/N): Yes Temp: 0 °C

Laboratory Reference Number
C0J3616-01

Sample Description	Matrix	Sampled Date/Time	Received Date/Time
20J0139-01	Liquid	10/06/20 11:45	10/28/20 11:40

Analyte(s)	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
General Inorganics							
Perchlorate	ND	4.0	ug/L	EPA 314.0	10/30/20 15:40	KAA	

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 02-Nov-2020

Project Name: No Project
Project Number: SP 2014004 - (2-12670)

Work Order Number: C0J3616
Received on Ice (Y/N): Yes Temp: 0 °C

General Inorganics - Batch Quality Control

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 0J30024 - Analyzed as Received IC										
Blank (0J30024-BLK1)				Prepared & Analyzed: 10/30/20						
Perchlorate	ND	4.0	ug/L							
LCS (0J30024-BS1)				Prepared & Analyzed: 10/30/20						
Perchlorate	25.5	4.0	ug/L	25.0		102	85-115			
Matrix Spike (0J30024-MS1)		**Source: C0J3603-01**		Prepared & Analyzed: 10/30/20						
Perchlorate	24.1	4.0	ug/L	25.0	ND	97	80-120			
Matrix Spike Dup (0J30024-MSD1)		**Source: C0J3603-01**		Prepared & Analyzed: 10/30/20						
Perchlorate	21.5	4.0	ug/L	25.0	ND	86	80-120	12	15	

Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 02-Nov-2020

Project Name: No Project
Project Number: SP 2014004 - (2-12670)

Work Order Number: C0J3616
Received on Ice (Y/N): Yes Temp: 0 °C

Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit **(if MDL is reported)**, otherwise at or above the Reportable Detection Limit (RDL)

NR: Not Reported

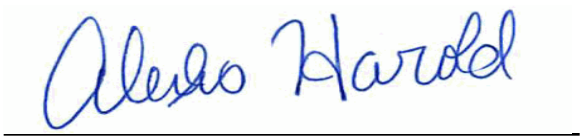
RDL: Reportable Detection Limit

MDL: Method Detection Limit

* / (Non-NELAP): NELAP does not offer accreditation for this analyte/method/matrix combination

Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.



Alexis Nicole Harold For Cindy A. Waddell

cc:

e-Standard_No Alias.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
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CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

BABCOCK Laboratories, Inc.
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Client Name: FGL Environmental, Inc.
Contact: Cindy Aguirre
Address: 853 Corporation Street
Santa Paula, CA 93060

Report Date: 02-Nov-2020

Analytical Report: Page 5 of 5
Project Name: No Project
Project Number: SP 2014004 - (2-12670)

Work Order Number: C0J3616
Received on Ice (Y/N): Yes Temp: 0 °C

Subcontract to Babcock Laboratories, Inc.

Client: Fruit Growers Laboratory, Inc.
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact Person:
Project Name: SP 2014004 - (2-12670)
Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Map Ref.

TG#62

Temp 30 °C

On Ice YES

Samples Intact YES

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SRC) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Inorganic-CIO4 8oz(P)
1	20J0139-01	10/06/20	11:45	G	WW				1

C0J3616
Rc'd: 10/28/2020 11:40
EVS

Remarks: RUSH

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	10/27/20	17:30	GLS	10/28/2020	11:40			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GLS				10/28/2020	11:40			

mailing
P.O Box 432
Riverside, CA 92502-0432

location
6100 Quail Valley Court
Riverside, CA 92507-0704

P 951 653 3351
F 951 653 1662
www.babcocklabs.com

CA ELAP No. 2698
EPA No. CA00102
NELAP No. OR4035
LACSD No. 10119

November 12, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2014004

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-11-12

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

A2LA ACCREDITED
CERTIFICATE #'s 5890.01 & 5890.02

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
11/11/2020

EUROFINS EATON ANALYTICAL, LLC

NELAP ACCREDITED TNI LABORATORY
Utah ELCP CA00006

Report: 897788
Project: DRINKING
Group: STRONTIUM 90

WV6M: Rosalynn Dang

Project Manager

* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.
* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.
* Following the cover page are State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms, as applicable.
* Test results relate only to the sample(s) tested.
* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).
* This report shall not be reproduced except in full, without the written approval of the laboratory.
* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Montana**	Cert 0035
Arizona	AZ0778	**Nebraska**	Certified
Arkansas	Certified	**Nevada**	CA000062018
California	2813	**New Hampshire ***	2959
Colorado	Certified	**New Jersey ***	CA 008
Connecticut	PH-0107	**New Mexico**	Certified
Delaware	CA 006	**New York ***	11320
Florida *	E871024	**North Carolina**	06701
Georgia	947	**North Dakota**	R-009
Guam	18-005R	**Oregon ***	CA200003-005
Hawaii	Certified	**Pennsylvania ***	68-565
Idaho	Certified	**Puerto Rico**	Certified
Illinois *	200033	**Rhode Island**	LAO00326
Indiana	C-CA-01	**South Carolina**	87016
Iowa - Asbestos	413	**South Dakota**	Certified
Kansas *	E-10268	**Tennessee**	TN02839
Kentucky	90107	**Texas ***	T104704230-18-15
Louisiana *	LA180000	**Utah (Primary AB) ***	CA00006
Maine	CA0006	**Vermont**	VT0114
Maryland	224	**Virginia ***	460260
Commonwealth of Northern Marianas Is.	MP0004	**Washington**	C838
Massachusetts	M-CA006	**EPA Region 5**	Certified
Michigan	9906	**Los Angeles County Sanitation Districts**	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 866-988-3757
www.EurofinsUS.com/Eaton

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/A2LA.
Refer to Certificate and scope of accreditation (5890) found at: https://www.eurofinsus.com/Eaton

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 200.8	x		x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EEA/Agilent 521.1 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Polutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

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Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 897788
Project: DRINKING
Sample Group: STRONTIUM 90

Project Manager: Rosalynn Dang
Phone: 626-386-1250
PO #: SP 2014004 - (2-12670)

The following samples were received from you on **October 13, 2020** at **1041**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202010130126	20J0139-01	10/06/2020 1145
	@SR90EDD	

Test Description

@SR90EDD -- Strontium-90 (sub)

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Subcontract to
Eurofins Eaton Analytical, Inc.

897788

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Stronium 250 ml(AGT)										
1	20J0139-01	10/06/20	11:45	G	WW				1										

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	10/12/20	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GLS			[signature]	10/13/20	1041			

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INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 847788

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 6016 (Observation= 13.2 °C) (Corr.Factor -0.3 °C) (Final = 12.8 °C)

TYPE OF ICE: Real ____ Synthetic ____ No Ice X **CONDITION OF ICE:** Frozen ____ Partially Frozen ____ Thawed ____ N/A X

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GLS

Compliance Acceptance Criteria: 550764017

1) **Chemistry:** >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) **Microbiology, Distribution:** < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) **Microbiology, Surface Water:** < 10°C (If received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)
3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

4 **Dioxin (1613 or 2,3,7,8 TCDD):** must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

5) **pH Check.** Manufacturer: ____ Lot Number: ____ pH strip type: 0 - 14 or ____ Expiration Date ____ Results: ____

6) **Chlorine check.** Manufacturer: Sansafe. Lot No.: ____ Expiration Date: ____ Results ____

7) **VOA and Radon Headspace:** **No Samples with Headspace:** ☐ **Samples with Headspace (see below):** ☐

Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): ____

RECEIVED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
	Chris Bach	Chris Bach	Eurofins Eaton Analytical	10/13/20	1041

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 897788
Project: DRINKING
Group: STRONTIUM 90

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Folder Comments

Analytical results for Strontium and Total Alpha Radium are submitted by Eurofins TestAmerica Laboratories, Inc in Earth City, MO CA Cert 2886 exp 6-30-2021

Flags Legend:

U- (FL only) Indicates that the compound was analyzed for but not detected.

The Comments Report may be blank if there are no comments for this report.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Hits

Report: 897788
Project: DRINKING
Group: STRONTIUM 90

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
10/13/2020 1041

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 897788
Project: DRINKING
Group: STRONTIUM 90

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
10/13/2020 1041

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
20J0139-01 (202010130126)							**Sampled on 10/06/2020 1145**		
			EPA 905.0 - Strontium-90 (sub)						
	10/30/20 14:46			(EPA 905.0)	Strontium 90 (sub)	<3 (U)	pCi/L	3	1
	10/30/20 14:46			(EPA 905.0)	Strontium-90, MDA	0.741	pCi/L		1
	10/30/20 14:46			(EPA 905.0)	Strontium-90, Two Sigma Error	0.427	pCi/L		1

Rounding on totals after summation.
(c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

Laboratory Job ID: 160-39946-1
Laboratory Sample Delivery Group: 897788
Client Project/Site: 897788

For:
Eurofins Eaton Analytical
750 Royal Oaks Drive
Monrovia, California 91016

Attn: Reports To

Rhonda Ridenhower

Authorized for release by:
11/2/2020 10:37:13 PM

Rhonda Ridenhower, Client Service Manager
(314)298-8566
Rhonda.Ridenhower@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Chain of Custody 5
Receipt Checklists 6
Definitions/Glossary 7
Method Summary 8
Sample Summary 9
Client Sample Results 10
QC Sample Results 11
QC Association Summary 12
Tracer Carrier Summary 13

Job ID: 160-39946-1

Laboratory: Eurofins TestAmerica, St. Louis

Narrative

CASE NARRATIVE

Client: Eurofins Eaton Analytical

Project: 897788

Report Number: 160-39946-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Eurofins TestAmerica, St. Louis attests to the validity of the laboratory data generated by Eurofins TestAmerica facilities reported herein. All analyses performed by Eurofins TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results for Chemistry analyses are reported on an ""as received"" basis unless otherwise indicated by the presence of a % solids value in the method header. All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client."

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Reference the chain of custody and condition upon receipt report for any variations on receipt conditions and temperature of samples on receipt.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

RECEIPT

The samples were received on 10/16/2020; the samples arrived in good condition, properly preserved. The temperature of the coolers at receipt was 19.1 C.

STRONTIUM-90 (GFPC)

Sample 202010130126 (160-39946-1) was analyzed for Strontium-90 (GFPC) in accordance with EPA 905.0. The samples were prepared on 10/21/2020 and analyzed on 10/30/2020.

Job ID: 160-39946-1 (Continued)

Laboratory: Eurofins TestAmerica, St. Louis (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

eurofins | Eaton Analytical

Submittal Form

Date: 10/15/2020

Ship To:
`TestAmerica St Louis
13715 Rider Trail North

Earth City, MO 63045

Phone: 314-298-8566 Fax: 314-298-8757

*REPORTING REQUIRMENTS: *Do Not Combine Reports with any other samples submitted under different Folder Numbers!*
Report & Invoice must have the Folder # **897788** Job # **1000014**

Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report.
Results must have Complete data & QC with Approval Signature.

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
Phone (626) 386-1165 Fax (626) 386-1122
Invoices to: Eurofins Eaton Analytical, LLC
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605

Provide in each Report the Specified StateCertification # and Exp Date for requested tests + matrix.

Samples from: **CALIFORNIA**

Folder #: 897788
Report Due: 11/12/2020

Sample ID	Client Sample ID for reference onl	Sample Date & Time	Matrix	PWS Systemcode	PWSID
202010130126	20J0139-01	10/06/20 1145	DW		JLS

Sample type:	Sample Event:	Facility ID:	Sample Point ID:	Static ID:

Method	Prep Method	Analysis Requested
EPA 905.0		Strontium-90 (sub)

160-39946 Chain of Custody

Relinquished by: Sample Control Date 10-15-20 Time 1027

Received by: FED EX Date _____ Time _____

Relinquished by: FED EX Sample Control Date _____ Time _____

Received by: Date 10/16/2020 Time 0856

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

Login Sample Receipt Checklist

Client: Eurofins Eaton Analytical

Job Number: 160-39946-1
SDG Number: 897788

Login Number: 39946
List Number: 1
Creator: Korrinhizer, Micha L

List Source: Eurofins TestAmerica, St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: Eurofins Eaton Analytical
Project/Site: 897788

Job ID: 160-39946-1
SDG: 897788

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: Eurofins Eaton Analytical
Project/Site: 897788

Job ID: 160-39946-1
SDG: 897788

Method	Method Description	Protocol	Laboratory
905	Strontium-90 (GFPC)	EPA	TAL SL
PrecSep-7	Preparation, Precipitate Separation (7-Day In-Growth)	None	TAL SL

Protocol References:

EPA = US Environmental Protection Agency

None = None

Laboratory References:

TAL SL = Eurofins TestAmerica, St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: Eurofins Eaton Analytical
Project/Site: 897788

Job ID: 160-39946-1
SDG: 897788

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
160-39946-1	202010130126	Water	10/06/20 11:45	10/16/20 08:56	

Client Sample Results

Client: Eurofins Eaton Analytical
Project/Site: 897788

Job ID: 160-39946-1
SDG: 897788

Client Sample ID: 202010130126
Date Collected: 10/06/20 11:45
Date Received: 10/16/20 08:56

Lab Sample ID: 160-39946-1
Matrix: Water

Method: 905 - Strontium-90 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.139	U	0.427	0.427	3.00	0.741	pCi/L	10/21/20 09:06	10/30/20 14:46	1

Carrier	*%Yield*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*88.2*		*40 - 110*	*10/21/20 09:06*	*10/30/20 14:46*	*1*
Y Carrier	*71.0*		*40 - 110*	*10/21/20 09:06*	*10/30/20 14:46*	*1*

Method: 905 - Strontium-90 (GFPC)

Lab Sample ID: MB 160-486427/14-A
Matrix: Water
Analysis Batch: 487307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486427

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Strontium-90	0.3962	U	0.422	0.423	3.00	0.690	pCi/L	10/21/20 09:06	10/30/20 14:47	1

Carrier	*MB %Yield*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Sr Carrier	*100*		*40 - 110*	*10/21/20 09:06*	*10/30/20 14:47*	*1*
Y Carrier	*71.8*		*40 - 110*	*10/21/20 09:06*	*10/30/20 14:47*	*1*

Lab Sample ID: LCS 160-486427/1-A
Matrix: Water
Analysis Batch: 487307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 486427

Analyte			Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits		
Strontium-90			15.6	13.45		1.50	3.00	0.635	pCi/L	86	75 - 125		

Carrier	*LCS %Yield*	*LCS Qualifier*	*Limits*
Sr Carrier	*100*		*40 - 110*
Y Carrier	*76.6*		*40 - 110*

Lab Sample ID: LCSD 160-486427/2-A
Matrix: Water
Analysis Batch: 487307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 486427

Analyte			Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec. Limits	RER	RER Limit
Strontium-90			15.6	12.17		1.41	3.00	0.602	pCi/L	78	75 - 125	0.44	1

Carrier	*LCSD %Yield*	*LCSD Qualifier*	*Limits*
Sr Carrier	*92.1*		*40 - 110*
Y Carrier	*77.0*		*40 - 110*

QC Association Summary

Client: Eurofins Eaton Analytical
Project/Site: 897788

Job ID: 160-39946-1
SDG: 897788

Rad

Prep Batch: 486427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-39946-1	202010130126	Total/NA	Water	PrecSep-7	
MB 160-486427/14-A	Method Blank	Total/NA	Water	PrecSep-7	
LCS 160-486427/1-A	Lab Control Sample	Total/NA	Water	PrecSep-7	
LCSD 160-486427/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-7	

Tracer/Carrier Summary

Client: Eurofins Eaton Analytical
Project/Site: 897788

Job ID: 160-39946-1
SDG: 897788

Method: 905 - Strontium-90 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
		Sr	Y
Lab Sample ID	Client Sample ID	(40-110)	(40-110)
160-39946-1	202010130126	88.2	71.0
LCS 160-486427/1-A	Lab Control Sample	100	76.6
LCSD 160-486427/2-A	Lab Control Sample Dup	92.1	77.0
MB 160-486427/14-A	Method Blank	100	71.8

Tracer/Carrier Legend

Sr = Sr Carrier
Y = Y Carrier

November 6, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2014004

Enclosed please find results for the following sample(s) which were received by FGL.

- Dioxin 2,3,7,8-TCDD1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-11-06

Enclosure

November 05, 2020

Vista Work Order No. 2002151

Ms. Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Dear Ms. Aguirre,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 13, 2020 under your Project Name 'SP 2014004 - (2-12670)'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2002151
Case Narrative

Sample Condition on Receipt:

One wastewater sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The sample was received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 1613B

This sample was extracted and analyzed for 2,3,7,8-TCDD by EPA Method 1613B using a ZB-DIOXIN GC column.

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. The analyte was not detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 3

Sample Inventory..... 4

Analytical Results..... 5

Qualifiers..... 9

Certifications..... 10

Sample Receipt..... 13

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2002151-01	20J0139-01	06-Oct-20 11:45	13-Oct-20 10:30	Amber Glass NM Bottle, 1L

Vista Project: 2002151

Client Project: SP 2014004 - (2-12670)

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 1613B**

Client Data

Name: FGL Environmental, Inc.
Project: SP 2014004 - (2-12670)
Matrix: Aqueous

Laboratory Data

Lab Sample: B0J0223-BLK1
QC Batch: B0J0223 Date Extracted: 23-Oct-20
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.273			04-Nov-20 22:03	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	92.1	31 - 137		04-Nov-20 22:03	1
37Cl-2,3,7,8-TCDD	CRS	107	42 - 164		04-Nov-20 22:03	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: OPR **EPA Method 1613B**

Client Data

Name: FGL Environmental, Inc.
Project: SP 2014004 - (2-12670)
Matrix: Aqueous

Laboratory Data

Lab Sample: B0J0223-BS1
QC Batch: B0J0223 Date Extracted: 23-Oct-20 07:42
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	182	200	91.2	73-146		03-Nov-20 19:02	1
Labeled Standards	**Type**		**% Recovery**	**Limits**	**Qualifiers**	**Analyzed**	**Dilution**
13C-2,3,7,8-TCDD	IS		108	25-141		03-Nov-20 19:02	1
37Cl-2,3,7,8-TCDD	CRS		128	37-158		03-Nov-20 19:02	1

Sample ID: 20J0139-01 **EPA Method 1613B**

Client Data

Name: FGL Environmental, Inc.
Project: SP 2014004 - (2-12670)
Matrix: Wastewater
Date Collected: 06-Oct-20 11:45

Laboratory Data

Lab Sample: 2002151-01
QC Batch: B0J0223
Sample Size: 0.908 L
Date Received: 13-Oct-20 10:30
Date Extracted: 23-Oct-20
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.377			04-Nov-20 07:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	93.9	31 - 137		04-Nov-20 07:54	1
37Cl-2,3,7,8-TCDD	CRS	120	42 - 164		04-Nov-20 07:54	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
K	EMPC (specific projects only)
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Subcontract to
Vista Analytical Laboratory

2002151 4.2°C

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Dioxin-Dioxin 2,3,7,8-TCDD1613 1000ml(AGT)									
1	20J0139-01	10/06/20	11:45	G	WW				1									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	10/12/20	17:30	GLS	10/13/20	10:30			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GLS			William R Wright	10/13/20	10:30			

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2002151 TAT Std

Samples Arrival:	**Date/Time** 10/13/20 10:30		**Initials:** WRW		**Location:** WR-2 **Shelf/Rack:** NA		
Delivered By:	FedEx	UPS	On Trac	(GLS)	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 4.2 (uncorrected) **Temp °C:** 4.2 (corrected)			**Probe used: Y / (N)**		**Thermometer ID:** IR-3		

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			X
Airbill — Trk # 550764030	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / (Client) / Retain / (Return) / Dispose	✓		
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 10/13/20 1210	**Initials:** CKS	**Location:** WR-2 **Shelf/Rack:** B-3	
COC Anomaly/Sample Acceptance Form completed?			✓	–

Comments:

CoC/Label Reconciliation Report WO# 2002151

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2002151-01	A 20J0139-01	☑		06-Oct-20 11:45	☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma (None) Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments:

Verifed by/Date: RS 10/13/20

SUBCONTRACT ORDER

Pat-Chem Laboratories

20J0139 20140094

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20J0139-01 **Water**	**Sampled: 06-Oct-20 11:45**			**Wastewater/IPC [MCC] EFF-Quarterly**
• Tritium (Sub out)	21-Oct-20 12:00	08-Oct-20 11:45		
• Sr-90 (Strontium 90)	21-Oct-20 12:00	04-Apr-21 11:45		
• Radium 226 228	21-Oct-20 12:00	04-Apr-21 11:45		
• Perchlorate 314.0	21-Oct-20 12:00	03-Nov-20 11:45		
• Gross beta SUB	21-Oct-20 12:00	04-Apr-21 11:45		
• Gross alpha SUB	21-Oct-20 12:00	04-Apr-21 11:45		
Dioxin 2,3,7,8-TCDD 1613	21-Oct-20 12:00	13-Oct-20 11:45		
•549 Diquat	21-Oct-20 12:00	13-Oct-20 11:45		
• 548.1 Endothall	21-Oct-20 12:00	13-Oct-20 11:45		
• 547 Glyphosate	21-Oct-20 12:00	20-Oct-20 11:45		
Containers Supplied:				

Released By — Date: OCT 09 2020 07:00AM — Received By — Date

Released By — Date — Received By — Date: 10/12/20 1340

Subcontract to
Vista Analytical Laboratory

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Dioxin-Dioxin 2,3,7,8-TCDD1613 1000ml(AGT)									
1	20J0139-01	10/06/20	11:45	G	WW				!									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

Subcontract to
Eurofins Eaton Analytical, Inc.

Client: **Fruit Growers Laboratory, Inc.**

Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Stronium 250 ml(AGT)	Map Ref.
1	20J0139-01	10/06/20	11:45	G	WW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0139

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Quarterly

Address: 9297 Research Drive
Irvine CA 92618
Sampled by:
P.O. #:
Report Attention: Ric Vardel / Golan Kfir
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/06/20	1145	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	7.1 | 26.3
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate (Sub-Out)	Grab	AQ	1L G	4°C	
			1	548 Endothall (Sub-Out)	Grab	AQ	1L G	4°C	
			1	549 Diquat (Sub-Out)	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8 TCDD (Sub-Out)	Grab	AQ	1L G	4°C	

RECEIVED
OCT 06 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Calt)	10/06/20	1200
Received by		Cindy Martinez	10-6-20	2:30
Relinquished by		Cindy Martinez	10/7/20	15:30
Received by				
Relinquished by				
Received in lab by		OCT 06 2020		1604

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 09-Oct-20 13:41
Subject: (MCC) Daily EFF

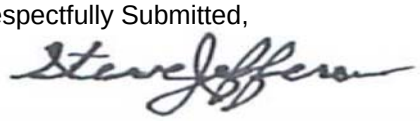
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0173-01) Collected: 07-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00734	1.8	07-Oct-20	09-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00734	1.8	07-Oct-20	09-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00825	0.1	07-Oct-20	07-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00743	0.05	07-Oct-20	07-Oct-20	**0.11 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/9/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample 20J0173

Sample I.D.#: ~~20J0163~~ EB

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/07/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
OCT 07 2020
By EG

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAR)	10/07/20	1400
Received by	EB	Carlos pcl	10/7/20	1400
Relinquished by	EB	Carlos pcl	10/7/20	1515
Received by				
Relinquished by				
Received in lab by	EVAN Garcia	PCL	10/7/20	1545

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:35
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0165-01) Collected: 07-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ00819	1	08-Oct-20	08-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ00904	0.10	09-Oct-20	09-Oct-20	**0.14 mg/l**	
Nitrate as N	EPA 353.2	AJ00822	0.05	08-Oct-20	08-Oct-20	**0.14 mg/l**	
Nitrite as N	EPA 353.2	AJ00822	0.05	08-Oct-20	08-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ01215	0.10	12-Oct-20	15-Oct-20	**1.11 mg/l**	
EFF (Sample I.D.# : 20J0165-02) Collected: 06-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ00820	2	08-Oct-20	13-Oct-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0165

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/07/20	1130	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	10/08/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 07 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAR)	10/07/20	1400
Received by			10/7/20	1400
Relinquished by			10/7/20	1515
Received by				
Relinquished by				
Received by		OCT 07 2020		1437

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 13-Oct-20 14:45
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0164-01) Collected: 07-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ00819	1	08-Oct-20	08-Oct-20	**111 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ00820	2	08-Oct-20	13-Oct-20	**296 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0164

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/07/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 07 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/07/20	1400
Received by		Eb Enriquez (PCL)	10/7/20	1400
Relinquished by		Eb Enriquez (PCL)	10/7/20	1515
Received by				
Relinquished by				
Received in lab by		OCT 07 2020		1435

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 14-Oct-20 17:43
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0206-01) Collected: 08-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00829	1.8	08-Oct-20	10-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00829	1.8	08-Oct-20	10-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00907	0.1	08-Oct-20	08-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00906	0.05	09-Oct-20	09-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/14/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0206

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/08/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Ccli	ST	

RECEIVED
OCT 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (Cal.)	10/8/20	1300
Received by			10/8/20	1300
Relinquished by			10/8/20	1420
Received by				
Relinquished by				
Received in Lab by		OCT 08 2020		1310

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 14-Oct-20 17:45
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0239-01) Collected: 09-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00909	1.8	09-Oct-20	11-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00909	1.8	09-Oct-20	11-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01007	0.1	09-Oct-20	09-Oct-20	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01005	0.05	10-Oct-20	10-Oct-20	**0.15 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/14/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2050239

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/09/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1 / 24.5
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera Case	10-9-20	11:15
Received by		Cinar Martinez	10-9-20	11:15
Relinquished by		Cindy Hernandez (PCL)	10-9-20	1337
Received by	Eb	Cinar	pm 10.9.20	1350
Relinquished by				
Received in lab by	Eb	Cinar	pm 10.9.20	1350

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp 10/09

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 14-Oct-20 17:48
Subject: (MCC) Daily EFF

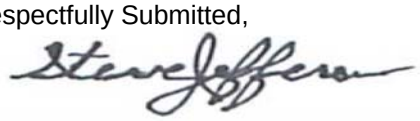
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0245-01) Collected: 10-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01004	1.8	10-Oct-20	12-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01004	1.8	10-Oct-20	12-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01120	0.1	10-Oct-20	10-Oct-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01119	0.05	11-Oct-20	11-Oct-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/14/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0245

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/10/2020	09:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.92/22.1°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jadlow IPC	10/10/2020	09:10
Received by	MARIO SANTIESTEBAN (PCL)	10/10/20	0910
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	10/10/20	1555

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:37
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0250-01) Collected: 11-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01118	1.8	11-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01118	1.8	11-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01426	0.1	11-Oct-20	11-Oct-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01218	0.05	12-Oct-20	12-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 26J0250

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/11/2020	09:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
		1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by	Ben Jadeon	IPC	10/11/2020	09:15
Received by	RM	PCL	10/11/2020	1450
Relinquished by				
Received by				
Relinquished by				
Received in lab by	RM	PCL	10/11/2020	1648

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:39
Subject: (MCC) Daily EFF

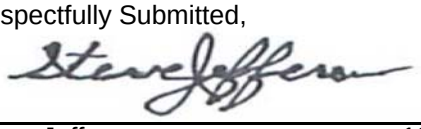
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0264-01) Collected: 12-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01217	1.8	12-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01217	1.8	12-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01426	0.1	12-Oct-20	12-Oct-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01329	0.05	13-Oct-20	13-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0264

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: C D
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/12/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C D	Carlos Alvarez (IPC)	10/12/20	1230
Received by	Eb	Eb	10.12.20	1230
Relinquished by	Eb	Eb	10.12.20	1330
Received by				
Relinquished by				
Received in lab		OCT 12 2020		1305

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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QUALITY ANALYTICAL SERVICES SINCE 1987
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(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:42
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0296-01) Collected: 13-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01332	1.8	13-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01332	1.8	13-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01426	0.1	13-Oct-20	13-Oct-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01425	0.05	14-Oct-20	14-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0794

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Rick Tardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field, Lab
EFF	10/13/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59/24.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 13 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	10/13/20	1135
Received by		Armando Olmos (PCL)	10/13/20	12:20
Relinquished by		Raul Ochoa (PCL)	10/13/20	1255
Received by				
Relinquished by				
Received in lab by		OCT 13 2020		1338

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:44
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0325-01) Collected: 14-Oct-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01429	1.8	14-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01429	1.8	14-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01442	0.1	14-Oct-20	14-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01440	0.05	14-Oct-20	14-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2050325

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	10-14-20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/24.4°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Ledesma	101420	11:30
Received by	Cindy Martinez (SCS)	10/14/20	11:30
Relinquished by	Cindy Martinez (SCS)	10/14/20	14:40
Received by			
Relinquished by			
Received in lab by	OCT 14 2020		13:46

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 16:00
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0328-01) Collected: 14-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ01616	1	16-Oct-20	20-Oct-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ01609	0.10	16-Oct-20	16-Oct-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ01527	0.05	15-Oct-20	15-Oct-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AJ01527	0.05	15-Oct-20	15-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ02027	0.10	20-Oct-20	21-Oct-20	**0.37 mg/l**	
EFF (Sample I.D.# : 20J0328-02) Collected: 14-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ01528	2	15-Oct-20	20-Oct-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0328

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/14/20	11:30	1	TSS	Grab	AQ	1L P	4°C	7.3 / 26.5 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 14 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	10/14/20	11:30
Received by	Cindy Martinez	10/14/20	11:30
Relinquished by	Cindy Martinez (IPC)	10-14-20	1440
Received by			
Relinquished by			
Received in Lab by	OCT 14 2020		1353

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 16:22
Subject: (MCC) Weekly INF

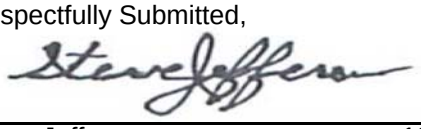
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0327-01) Collected: 14-Oct-20 By JL							
Physical Properties							
Total Suspended Solids	SM2540D	AJ01616	1	16-Oct-20	20-Oct-20	**516 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ01528	2	15-Oct-20	20-Oct-20	**520 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0327

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/14/20	11:30	1	TSS	Comp	AQ	1L P	4°C	6.8/16.6°C
	〃	〃	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	101420	11:30
Received by	Cindy Martinez (IPC)	10/14/20	11:30
Relinquished by	Cindy Martinez (IPC)	10 14 20	14:00
Received by			
Relinquished by			
Received in lab by	OCT 14 2020		13:52

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0358-01) Collected: 15-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01533	1.8	15-Oct-20	17-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01533	1.8	15-Oct-20	17-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01610	0.1	15-Oct-20	15-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01608	0.05	16-Oct-20	16-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0358

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: CV
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/15/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CV	Carlos Alvarez (PCL)	10/15/20	1230
Received by	EB	C. Alvarez PM	10/15/20	1230
Relinquished by	EB	C. Alvarez PM	10/15/20	1300
Received by				
Relinquished by				
Received by		OCT 15 2020		1320

Sample Received Checklist

Temperature upon receipt: 4.1 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 19-Oct-20 17:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0378-01) Collected: 16-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01615	1.8	16-Oct-20	18-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01615	1.8	16-Oct-20	18-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01709	0.1	16-Oct-20	16-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01708	0.05	17-Oct-20	17-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0378

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive

Project : (MCC) EFF - Daily

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/16/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
OCT 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPE)	10/16/20	1140
Received by	EB		10/16/20	1140
Relinquished by	EB		10/16/20	1330
Received by				
Relinquished by				
Received by			OCT 16 2020	1253

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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QUALITY ANALYTICAL SERVICES SINCE 1987
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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:41
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0395-01) Collected: 17-Oct-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01707	1.8	17-Oct-20	19-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01707	1.8	17-Oct-20	19-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	17-Oct-20	17-Oct-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01718	0.05	17-Oct-20	17-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0395

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Mario Aguirre

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/17/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name, (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	10/17/20	9:55
Received by	Alex Walker Jr.	10/17/20	1140
Relinquished by			
Received by			
Relinquished by			
Received by		OCT 17 2020	1414

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:44
Subject: (MCC) Daily EFF

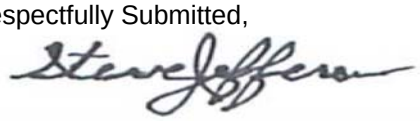
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0400-01) Collected: 18-Oct-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01833	1.8	18-Oct-20	20-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01833	1.8	18-Oct-20	20-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	18-Oct-20	18-Oct-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01933	0.05	19-Oct-20	19-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0400

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/18/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/18/20	9:50
Received by		RM PCL	10/18/20	1441
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	10/18/20	1645

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0418-01) Collected: 19-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01928	1.8	19-Oct-20	21-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01928	1.8	19-Oct-20	21-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	19-Oct-20	19-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02032	0.05	20-Oct-20	20-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0418

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project:

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/19/20	1150	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	7.33/74.6°F
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 19 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/19/20	17:15
Received by		Armando Alvarez (IPC)	10/19/20	17:15
Relinquished by		Armando Alvarez (IPC)	10-19-20	13:20
Received by				
Relinquished by				
Received in lab by			OCT 19 2020	1338

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0448-01) Collected: 20-Oct-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02033	1.8	20-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02033	1.8	20-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	20-Oct-20	20-Oct-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02127	0.05	21-Oct-20	21-Oct-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0448

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) ~~EFF - Daily~~

Project :

Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/20/20	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/20.8
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/20/20	12:35
Received by	Cindy Martinez	10/20/20	12:35
Relinquished by	Cindy Martinez	10/20/20	13:45
Received by			
Relinquished by			
Received in lab by	OCT 20 2020		1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 16:24
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0478-01) Collected: 20-Oct-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02232	1	22-Oct-20	23-Oct-20	**237 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02225	2	22-Oct-20	27-Oct-20	**372 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20JC478

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/20/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 21 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/21/20	1200
Received by			10/21/20	1200
Relinquished by			10/21/20	1415
Received by				
Relinquished by				
Received by		OCT 21 2020		1251

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:52
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0475-01) Collected: 21-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02130	1.8	21-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02130	1.8	21-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02229	0.1	21-Oct-20	21-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02228	0.05	22-Oct-20	22-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0475

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/21/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Allen (CAE)	10/21/20	1200
Received by			10/21/20	1200
Relinquished by			10/21/20	1415
Received by				
Relinquished by				
Received by		OCT 21 2020		1237

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 16:03
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0477-01) Collected: 21-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02232	1	22-Oct-20	23-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ02226	0.10	22-Oct-20	22-Oct-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ02224	0.05	22-Oct-20	22-Oct-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AJ02224	0.05	22-Oct-20	22-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ02134	0.10	21-Oct-20	23-Oct-20	**0.55 mg/l**	
EFF (Sample I.D.# : 20J0477-02) Collected: 20-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02225	2	22-Oct-20	27-Oct-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0477

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/21/20	1110	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	10/20/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/21/20	1200
Received by	Eb	Carlos pm	10/21/20	1200
Relinquished by	Eb	Carlos pm	10/21/20	1415
Received by				
Relinquished by				
Received in lab by		OCT 21 2020		1243

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
(Comp)

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:54
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0501-01) Collected: 22-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02235	1.8	22-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02235	1.8	22-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02307	0.1	22-Oct-20	22-Oct-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02306	0.05	23-Oct-20	23-Oct-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0501

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C.

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/22/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/22/20	1130
Received by			10/22/20	1130
Relinquished by			10/22/20	1330
Received by				
Relinquished by				
Received in Lab by		OCT 22 2020		1226

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 27-Oct-20 15:56
Subject: (MCC) Daily EFF

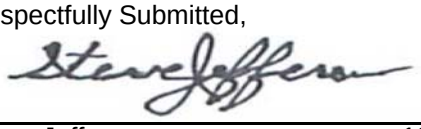
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0530-01) Collected: 23-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02312	1.8	23-Oct-20	25-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02312	1.8	23-Oct-20	25-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02405	0.1	23-Oct-20	23-Oct-20	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02408	0.05	24-Oct-20	24-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0530

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/23/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.91 24.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/23/20	12:00
Received by		Cindy Martinez	10/23/20	12:00
Relinquished by		Cindy Martinez	10/23/20	13:11
Received by				
Relinquished by				
Received in Lab by		OCT 23 2020		12:13

Sample Received Checklist
Temperature upon receipt: +1°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 29-Oct-20 09:48
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0539-01) Collected: 24-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02404	1.8	24-Oct-20	26-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02404	1.8	24-Oct-20	26-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02527	0.1	24-Oct-20	24-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02526	0.05	25-Oct-20	25-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/29/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0539

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ben Jaspon	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/24/2020	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jaspon IPC	10/24/2020	1215
Received by	Alex Walk Jr	10/24/20	1215
Relinquished by			
Received by			
Relinquished by			
Received by	OCT 24 2020		1451

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 29-Oct-20 09:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0544-01) Collected: 25-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02525	1.8	25-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02525	1.8	25-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	25-Oct-20	28-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02619	0.05	26-Oct-20	26-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/29/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0544

(MCC) EFF - Daily

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~

Project :

Address: ~~9297 Research Drive~~ Irvine ~~CA~~ ~~92618~~

Sampled by: Jon Jasson

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/25/2020	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	10/25/2020	10:10	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Jon Jasson	10/25/2020	
Received by		RM PCL	10/25/2020	1430
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	10/25/2020	1608

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

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow —

Final Flow —

Sample Type
Grab
Comp

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

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

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

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

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

Attention: Ric Vardel
Report Date: 29-Oct-20 09:52
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0558-01) Collected: 26-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02624	1.8	26-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02624	1.8	26-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	26-Oct-20	28-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02723	0.05	27-Oct-20	27-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/29/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0558

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/26/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.73/20.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Olmos (PCL)	10/26/20	1120
Received by	Armando Olmos (PCL)	10/26/20	12:20
Relinquished by	Armando Olmos (PCL)	10/26/20	14:25
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	10/26/20	1445

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 30-Oct-20 11:59
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0572-01) Collected: 27-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02727	1.8	27-Oct-20	30-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02727	1.8	27-Oct-20	30-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	27-Oct-20	28-Oct-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02830	0.05	28-Oct-20	28-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/30/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2030572

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	10/27/20	1015	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.87/17.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/27/20	1030
Received by		Arnie Oh (PCL)	10/27/20	12:15
Relinquished by		Arnie Oh (PCL)	10/27/20	13:45
Received by				
Relinquished by				
Received in lab by				1241

OCT 27 2020

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 02-Nov-20 11:45
Subject: (MCC) Daily EFF

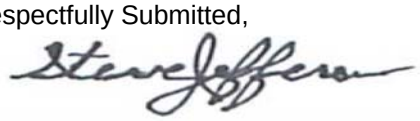
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0606-01) Collected: 28-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02829	1.8	28-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02829	1.8	28-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	28-Oct-20	28-Oct-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02935	0.05	29-Oct-20	29-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2030606

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/28/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.89 / 24.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 28 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/28/20	12:00
Received by		Angie Olivo (PCL)	10/28/20	12:20
Relinquished by		Armando Olivo (PCL)	10/28/20	14:10
Received by				
Relinquished by				
Received in lab by		OCT 28 2020		1251

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 05-Nov-20 16:31
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0605-01) Collected: 28-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02931	1	29-Oct-20	29-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ03009	0.10	30-Oct-20	30-Oct-20	**0.14 mg/l**	
Nitrate as N	EPA 353.2	AJ02934	0.05	29-Oct-20	29-Oct-20	**0.07 mg/l**	
Nitrite as N	EPA 353.2	AJ02934	0.05	29-Oct-20	29-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK00223	0.10	02-Nov-20	02-Nov-20	**0.63 mg/l**	
EFF (Sample I.D.# : 20J0605-02) Collected: 27-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02937	2	29-Oct-20	03-Nov-20	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/5/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20 J0605

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/28/20	1150	1	TSS	Grab	AQ	1L P	4°C	7.38 / 24.7°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	10/27/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/28/20	12:20
Received by		Norma Ochoa (PCL)	10.28.20	12:20
Relinquished by		Armando Olmos (PCL)	10/28/20	14:40
Received by				
Relinquished by				
Received in lab by		OCT 28 2020		1245

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 05-Nov-20 16:34
Subject: (MCC) Weekly INF

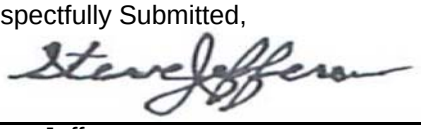
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0608-01) Collected: 28-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02931	1	29-Oct-20	29-Oct-20	**278 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02937	2	29-Oct-20	03-Nov-20	**398 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/5/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0608

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/27/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.47 / 15.1°C
			1	BOD	Comp	AQ	1L P	4°C	
1	1	1							

RECEIVED
OCT 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (IPC)	10/28/20	12:20
Received by		Armando Olivas (IPC)	10/28/20	12:20
Relinquished by		Armando Olivas (IPC)	10/28/20	14:10
Received by				
Relinquished by				
Received in lab by		OCT 28 2020		1314

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 02-Nov-20 11:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0638-01) Collected: 29-Oct-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02933	1.8	29-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02933	1.8	29-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ03104	0.1	29-Oct-20	29-Oct-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ03012	0.05	30-Oct-20	30-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0638

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/29/20	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.99 / 14.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 29 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	10/29/20	12:15
Received by	Amanda Olivas (PCL)	10/29/20	12:15
Relinquished by	Amanda Olivas (PCL)	10/29/20	14:10
Received by			
Relinquished by			
Received in lab by		OCT 29 2020	1238

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 02-Nov-20 11:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0661-01) Collected: 30-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ03014	1.8	30-Oct-20	01-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ03014	1.8	30-Oct-20	01-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ03104	0.1	30-Oct-20	30-Oct-20	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ03107	0.05	31-Oct-20	31-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2030661

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/30/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.95/22.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SAE)	10/30/20	12:10
Received by		Armando Almos (PCL)	10/30/20	12:10
Relinquished by		Armando Almos (PCL)	10/30/20	14:05
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN	10/30/20	1405

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 05-Nov-20 16:41
Subject: (MCC) Daily EFF

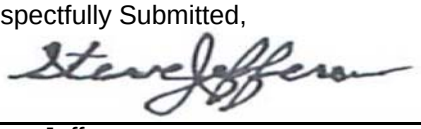
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0670-01) Collected: 31-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ03114	1.8	31-Oct-20	02-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ03114	1.8	31-Oct-20	02-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ03116	0.1	31-Oct-20	31-Oct-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ03115	0.05	31-Oct-20	31-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/5/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20J0670

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: Mario Aguirre
Report Attention: Ric Vardej / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/31/20	9:58	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:58	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 31 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/31/20	10:03
Received by		Alex Nava Jr.	10/31/20	12:20
Relinquished by				
Received by				
Relinquished by				
Received in lab by			OCT 31 2020	1447

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:45
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0004-01) Collected: 01-Nov-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AK00126	1.8	01-Nov-20	03-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00126	1.8	01-Nov-20	03-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	01-Nov-20	01-Nov-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00222	0.05	02-Nov-20	02-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20k0004

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/01/20	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:30	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	11/01/20	9:35
Received by		PCL	11/1/20	1450
Relinquished by				
Received by				
Relinquished by				
Received in lab by		PCL	11/1/2020	1629

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0017-01) Collected: 02-Nov-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00224	1.8	02-Nov-20	05-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00224	1.8	02-Nov-20	05-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	02-Nov-20	02-Nov-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00322	0.05	03-Nov-20	03-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0017

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) EFF - Daily

Project :

Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~

Sampled by: Cl

Report Attention: Riz Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/02/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.01 / 22.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cl)	11/02/20	12:20
Received by		Armando Olmos (PCL)	11/2/20	12:20
Relinquished by		Armando Olmos (PCL)	11/2/20	15:35
Received by				
Relinquished by				
Received in lab by		NOV 02 2020		1336

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:43
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0022-01) Collected: 02-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AK00328	5	03-Nov-20	04-Nov-20	**864 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AK00430	20.0	04-Nov-20	04-Nov-20	**241 mg/l**	
Sulfate as SO4	EPA 300.0	AK00430	10.0	04-Nov-20	04-Nov-20	**118 mg/l**	
Boron	EPA 200.7	AK00320	0.10	03-Nov-20	04-Nov-20	**0.26 mg/l**	
Phosphorus, Total as P	EPA 365.3	AK00825	0.50	08-Nov-20	08-Nov-20	**2.94 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK00323	0.08	03-Nov-20	03-Nov-20	**0.08 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AK00420	5	04-Nov-20	04-Nov-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0022

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/02/20	11:30	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.02/22.1°C
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

RECEIVED
NOV 02 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (SPC)	11/02/20	17:20
Received by		Ramiro Olvera (IPC)	11/2/20	17:20
Relinquished by		Armando Olvera (IPC)	11/2/20	15:35
Received by				
Relinquished by				
Received for Lab by		NOV 02 2020		1405

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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(818) 639-5300 ph
(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0043-01) Collected: 03-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00324	1.8	03-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00324	1.8	03-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	03-Nov-20	03-Nov-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00518	0.05	05-Nov-20	05-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0043

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/3/20	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/25.2 C
	"	11:15	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/3/20	11:20
Received by:	Cindy Martinez	11/3/20	1120
Relinquished by:	Cindy Martinez	11/3/20	13:52
Received by:			
Relinquished by:			
Received in lab by:	NOV 03 2020		1200

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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(818) 639-5300 ph
(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:37
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0085-01) Collected: 03-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK00610	1	06-Nov-20	06-Nov-20	**568 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK00521	2	05-Nov-20	10-Nov-20	**266 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0085

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/03/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	11/04/20	1320
Received by		Armando Alvarez (PCL)	11/4/20	1320
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/4/20	1320

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:52
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0091-01) Collected: 04-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00427	1.8	04-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00427	1.8	04-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	04-Nov-20	04-Nov-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00518	0.05	05-Nov-20	05-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0091

IPC - Integrated Performance Consultants, Inc

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
~~EFF~~	11/04/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.87 / 21.6°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: ~~Logcode: IPCI~~ Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (RPC)	11/04/20	13:20
Received by	Hanna Chu (PCL)	11/4/20	13:20
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARJO SANTIESTEBAN (PCL)	11/4/20	1328

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:41
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0095-01) Collected: 04-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK00610	1	06-Nov-20	06-Nov-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK00937	0.10	09-Nov-20	09-Nov-20	**0.28 mg/l**	
Nitrate as N	EPA 353.2	AK00524	0.05	05-Nov-20	05-Nov-20	**0.06 mg/l**	
Nitrite as N	EPA 353.2	AK00524	0.05	05-Nov-20	05-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK00935	0.10	09-Nov-20	10-Nov-20	**0.81 mg/l**	
EFF (Sample I.D.# : 20K0095-02) Collected: 03-Nov-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK00521	2	05-Nov-20	10-Nov-20	**6 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0095

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/04/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.87/21.2°C
	〃	〃	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	〃	〃	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/03/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C	Carlos Alvarez (C&E)	11/04/20	1320
Received by		Arnulfo Olmos (PCL)	11/4/20	1320
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/4/20	1320

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:55
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0133-01) Collected: 05-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00523	1.8	05-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00523	1.8	05-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	05-Nov-20	05-Nov-20	**8.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00609	0.05	06-Nov-20	06-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0133

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/25/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.20/15.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (IPC)	11/05/20	12:15
Received by		Armando Olmos (PCL)	11/5/20	12:15
Relinquished by		Armando Olmos (PCL)	11/5/20	13:40
Received by				
Relinquished by				
Received in Lab by		NOV 05 2020		1249

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 16:57
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0164-01) Collected: 06-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00612	1.8	06-Nov-20	08-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00612	1.8	06-Nov-20	08-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	06-Nov-20	06-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00705	0.05	07-Nov-20	07-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0164

IPC - Integrated Performance Consultants, Inc.

Customer: 9297 Research Drive

Project: (MCC) EFF - Daily

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/06/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36/22.9°
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/06/20	12:15
Received by		[illegible]	11/6/20	17:15
Relinquished by		Amanda Olivas (PCL)	11/6/20	14:20
Received by				
Relinquished by				
Received in lab by		NOV 06 2020		1223

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Nov-20 17:03
Subject: (MCC) Daily EFF

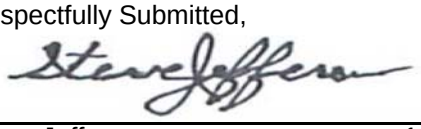
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0193-01) Collected: 07-Nov-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00704	1.8	07-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00704	1.8	07-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00719	0.1	07-Nov-20	07-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00717	0.05	07-Nov-20	07-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20k0193

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Jen Jordan
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/7/2020	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
NOV 07 2020
By JC

Signature	Print Name (Company)	Date	Time
Relinquished by	Jen Jordan IPC	11/7/2020	11:00
Received by	Alex Walker Jr	11/7/20	11:40
Relinquished by			
Received by			
Relinquished by	Alex Walker Jr	11/7/20	13:20
Received in lab by	Jordan Corkery	11/7/20	1320

Sample Received Checklist

Temperature upon receipt: 4oc

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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

2. Independent Contractor

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

3. Orders and Acceptance

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

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

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

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

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

11. Hazardous Substances

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

12. Prices/Payments

Unless otherwise agreed in writing by PCL, applicable prices shall be as set forth in the price schedule in effect at the time of delivery of the services. Prices are subject to change at any time without notice. Payment shall be made as indicated on the invoice or as otherwise agreed to in writing or within a time period established from time to time by PCL for clients with an established credit account. The terms for payment of charges are NET 30 days unless otherwise specified on invoices. To the fullest extent permitted by law, or as may be otherwise agreed to in writing by PCL, any amount owed to PCL by client not paid within 30 days of invoice or subject to interest at the lesser of the maximum rate permitted by law, or one and one half percent (1.5%) per month on the unpaid balance. If suit is brought to collect the balance owed to PCL, client shall pay all costs of collection, including reasonable attorney's fees. Client shall not be entitled to withhold payment of any amount due to PCL for any reason, including any dispute between client and any other person. Client shall pay PCL's charges hereunder without regard to whether client's customer, employer or any other person has paid client for the services or materials provided by PCL or for any other reason. Client shall pay PCL's charges hereunder at the time stated above without regard to any subsequent credit, setoff or deduction arising from any cause whatsoever, including any claim that PCL has breached the agreement or any warranty. Time is of the essence in client's performance of its payment obligations hereunder. If client fails to pay PCL when due, client shall be liable for all costs of collection, including attorneys' fees.

13. Agreement Modification

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

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is solely responsible for maintaining its own account, and not its agents, brokers, or any other representative, custody for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to assist client in connection with its purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or re-attesting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

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

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 13:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0199-01) Collected: 08-Nov-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AK00823	1.8	08-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00823	1.8	08-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	08-Nov-20	08-Nov-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00944	0.05	09-Nov-20	09-Nov-20	**0.13 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20k0199

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive
Address: Irvine CA 92618

Project: (MCC) EFF - Daily

Sampled by: Ben Jaramillo
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/8/2020	09:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jaramillo IPC	11/8/2020	
Received by	RM PCL	11/8/2020	1547
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	11/8/2020	1720

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 13:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0215-01) Collected: 09-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00941	1.8	09-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00941	1.8	09-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	09-Nov-20	09-Nov-20	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01024	0.05	10-Nov-20	10-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0215

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	11/09/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.7/17.9
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	11/09/20	11:15
Received by		Cindy Marrion (PCL)	11/9/20	11:15
Relinquished by		Cindy Marrion	11/9/20	13:30
Received by				
Relinquished by				
Received in Lab by		NOV 09 2020		13:25

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 13:52
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0243-01) Collected: 10-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01026	1.8	10-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01026	1.8	10-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	10-Nov-20	10-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01122	0.05	11-Nov-20	11-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0243

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Golan Kfir	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/10/20	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	2.03 / 20.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	11/10/20	12:30
Received by:	Armando Ochoa (PCL)	11/10/20	12:30
Relinquished by:	Armando Ochoa (PCL)	11/10/20	1515
Received by:			
Relinquished by:			
Received at lab by:	NOV 10 2020		1250

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 13:54
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0285-01) Collected: 11-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01135	1.8	11-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01135	1.8	11-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	11-Nov-20	11-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01226	0.05	12-Nov-20	12-Nov-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0285

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project:	
Address: Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/11/20	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50/11.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
NOV 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/11/20	12:20
Received by		Bruce Oh (IPC)	11/11/20	12:20
Relinquished by		Armando Olmos (IPC)	11/11/20	14:15
Received by				
Relinquished by				
Received at lab by		NOV 11 2020		1233

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 17-Nov-20 17:37
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0296-01) Collected: 11-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK01224	1	12-Nov-20	12-Nov-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK01626	0.10	16-Nov-20	16-Nov-20	**0.11 mg/l**	
Nitrate as N	EPA 353.2	AK01231	0.05	12-Nov-20	13-Nov-20	**0.09 mg/l**	
Nitrite as N	EPA 353.2	AK01231	0.05	12-Nov-20	13-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK01625	0.10	16-Nov-20	17-Nov-20	**0.76 mg/l**	
EFF (Sample I.D.# : 20K0296-02) Collected: 10-Nov-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01129	2	11-Nov-20	16-Nov-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0246

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/11/20	1050	1	TSS	Grab	AQ	1L P	4°C	7.50/17.3°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/10/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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NOV 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/11/20	17:20
Received by		Armando Olmos (PCL)	11/11/20	17:20
Relinquished by		Armando Olmos (PCL)	11/11/20	19:15
Received by				
Relinquished by				
Received in lab by		NOV 11 2020		1314

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 17-Nov-20 17:34
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0295-01) Collected: 11-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK01224	1	12-Nov-20	12-Nov-20	**217 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01129	2	11-Nov-20	16-Nov-20	**465 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0795

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/10/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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NOV 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (PCL)	11/11/20	12:20
Received by		Armando Olivas (PCL)	11/11/20	12:20
Relinquished by		Armando Olivas (PCL)	11/11/20	14:15
Received by				
Relinquished by				
Received in lab by		NOV 11 2020		1312

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 13:56
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0336-01) Collected: 12-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01232	1.8	12-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01232	1.8	12-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	12-Nov-20	12-Nov-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01310	0.05	13-Nov-20	13-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0336

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	**Project :**
Address: Irvine CA 92618	**Sampled by:** Golan Kfir
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/12/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.22/17.6 C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 12 2020
By

Geotracker EDD
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/12/20	12:20
Received by:	Armando Olmos (IPC)	11/12/20	12:20
Relinquished by:	Armando Olmos (IPC)	11/12/20	14:20
Received by:			
Relinquished by:			
Received in lab by:	NOV 12 2020		1406

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 13:58
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0348-01) Collected: 13-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01311	1.8	13-Nov-20	15-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01311	1.8	13-Nov-20	15-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	13-Nov-20	13-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01405	0.05	14-Nov-20	14-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0348

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/13/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	11/13/20	1220
Received by		Eb Guanlao PCI	11/13/20	1220
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Eb Cub PN	11/13/20	1310

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 16-Nov-20 14:00
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0362-01) Collected: 14-Nov-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01404	1.8	14-Nov-20	16-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01404	1.8	14-Nov-20	16-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01519	0.1	14-Nov-20	14-Nov-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01518	0.05	15-Nov-20	15-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0362

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Mario Aguirre	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/14/20	9:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	11/14/20	9:10
Received by	Alex Wallace Jr	11/14/20	10:50
Relinquished by			
Received by			
Relinquished by			
Received in lab by	NOV 14 2020		1323

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:14
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0369-01) Collected: 15-Nov-20 By JL							
Microbiological							
Fecal Coliforms	SM 9221E	AK01517	1.8	15-Nov-20	17-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01517	1.8	15-Nov-20	17-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	15-Nov-20	15-Nov-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01628	0.05	16-Nov-20	16-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20to369

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		**Project :**	
Address: Irvine CA 92618	**Sampled by:**		**P.O. #:**
	Report Attention: Ric Vardar / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	11/5/20	14:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
~~Logcode: IPCI~~									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	11/5/20	
Received by	RM PCL	11/15/20	1445
Relinquished by			
Received by			
Relinquished by			1725
Received in lab by	RM PCL	11/15/20	1445 RM

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0391-01) Collected: 16-Nov-20 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AK01636	1.8	16-Nov-20	19-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01636	1.8	16-Nov-20	19-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	16-Nov-20	16-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01742	0.05	17-Nov-20	17-Nov-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0391

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by:
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/16/20	1100	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	7.34/14.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 16 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	11/16/20	1110
Received by	Amanda Olsen (PCL)	11/16/20	12:30
Relinquished by	Amanda Olsen (PCL)	11/16/20	14:00
Received by			
Relinquished by			
Received in lab by	NOV 16 2020		1414

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:19
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0426-01) Collected: 17-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01737	1.8	17-Nov-20	20-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01737	1.8	17-Nov-20	20-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	17-Nov-20	17-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01826	0.05	18-Nov-20	18-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0426

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/17/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.34/19.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
NOV 17 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez Cepe	11/17/20	17:30
Received by		Armando Ortiz (PCL)	11/17/20	17:30
Relinquished by		Armando Ortiz (PCL)	11/17/20	14:15
Received by				
Relinquished by				
Received in lab by		NOV 17 2020		1244

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:09
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0471-01) Collected: 17-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK02005	1	20-Nov-20	20-Nov-20	**258 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01834	2	19-Nov-20	24-Nov-20	**352 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0471

(MCC) INF - Weekly

Customer: IPC - Integrated Performance Consultants, Inc.

Project:

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/17/20	0000	1	TSS	Comp	AQ	1L P	4°C	6.9/22.1
			1	BOD	Comp	AQ	1L P	4°C	

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NOV 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/18/20	11:25
Received by		Cindy M (PCL)	11/18/20	11:25
Relinquished by		Cindy Mahrer	11/18/20	12:25
Received by				
Relinquished by				
Received by		NOV 18 2020		1322

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:21
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0459-01) Collected: 18-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01835	1.8	18-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01835	1.8	18-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	18-Nov-20	18-Nov-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01934	0.05	19-Nov-20	19-Nov-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0459

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project:

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	11/18/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0 / 21.5
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	1	1							

RECEIVED
NOV 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Carl)	11/18/20	11:25
Received by		Cindy Martinez	11/18/20	11:25
Relinquished by		Cindy Martinez	11/18/20	12:25
Received by				
Relinquished by				
Received at lab by		NOV 18 2020		1233

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 10-Dec-20 10:43
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0470-01) Collected: 18-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK02005	1	20-Nov-20	20-Nov-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK02004	0.10	20-Nov-20	20-Nov-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK01933	0.05	19-Nov-20	19-Nov-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AK01933	0.05	19-Nov-20	19-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK03016	0.10	30-Nov-20	04-Dec-20	**0.51 mg/l**	
EFF (Sample I.D.# : 20K0470-02) Collected: 17-Nov-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01834	2	19-Nov-20	24-Nov-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0470

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/18/20	1100	1	TSS	Grab	AQ	1L P	4°C	6.8/21.9 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/17/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
NOV 18 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/18/20	1120
Received by		Cindy Marroquin (PCL)	11/18/20	11:20
Relinquished by		Cindy Marroquin	11/18/20	12:25
Received by				
Relinquished by				
Received by		NOV 18 2020		1318

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0495-01) Collected: 19-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01935	1.8	19-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01935	1.8	19-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	19-Nov-20	19-Nov-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02007	0.05	20-Nov-20	20-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0495

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	11/19/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.64/19.3°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 19 2020
By

Geotracker EDF
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/19/20	12:10
Received by:	Armando Otnos / PCL	11/19/20	12:10
Relinquished by:	Armando Otnos (PCL)	11/19/20	13:40
Received by:			
Relinquished by:			
Received in lab by:	NOV 19 2020		16:00

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0534-01) Collected: 20-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02010	1.8	20-Nov-20	22-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02010	1.8	20-Nov-20	22-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	20-Nov-20	20-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02110	0.05	21-Nov-20	21-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0534

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/20/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CSG)	11/20/20	13:33
Received by		Juan Vasquez (PCL)	11/20/20	13:33
Relinquished by		Juan Vasquez (PCL)	11/20/20	14:30
Received by				
Relinquished by				
Received at lab by		NOV 20 2020		1349

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 25-Nov-20 11:28
Subject: (MCC) Daily EFF

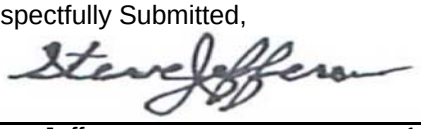
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0543-01) Collected: 21-Nov-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02108	1.8	21-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02108	1.8	21-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02116	0.1	21-Nov-20	21-Nov-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02117	0.05	21-Nov-20	22-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/25/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0543

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive
Address: Irvine CA 92618

Project : (MCC) EFF - Daily

Sampled by: Jesus Avalos
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/21/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/21/20	9:50
Received by:	Alex Walker Jr.	11/21/20	12:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	NOV 21 2020		1510

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Nov-20 16:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0547-01) Collected: 22-Nov-20 By BJ of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02226	1.8	22-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02226	1.8	22-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	22-Nov-20	22-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02331	0.05	23-Nov-20	23-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC - Integrated Performance Consultants, Inc.

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20L0547
(MCC) EFF - Daily

Customer: 9297 Research Drive
Project :

Address: Irvine CA 92618
Sampled by: Jon Jasson
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/22/2020	10:35	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 22 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jon Jasson IPC	11/22/2020	1245
Received by	Alex Valencia Jr.	11/22/20	1245
Relinquished by			
Received by			
Relinquished by			
Received in lab by	NOV 22 2020		1458

Sample Received Checklist

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 30-Nov-20 16:28
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0568-01) Collected: 23-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02328	1.8	23-Nov-20	25-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02328	1.8	23-Nov-20	25-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	23-Nov-20	23-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02429	0.05	24-Nov-20	24-Nov-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20L0568

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by:
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/22/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
NOV 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alcaraz (PCL)	11/23/20	13:16
Received by		Juan Vasquez (PCL)	11/23/20	13:16
Relinquished by		Juan Vasquez (PCL)	11/23/20	14:15
Received by				
Relinquished by				
Received in Lab by		NOV 23 2020		14:11

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Nov-20 16:31
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0596-01) Collected: 24-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02434	1.8	24-Nov-20	27-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02434	1.8	24-Nov-20	27-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	24-Nov-20	24-Nov-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02507	0.05	25-Nov-20	25-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 03-Dec-20 11:02
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0638-01) Collected: 24-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK02814	1	28-Nov-20	28-Nov-20	**269 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK02704	2	27-Nov-20	02-Dec-20	**274 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/3/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0638

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/24/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAPC)	11/25/20	12:14
Received by		Juan Vasquez (PCL)	11/25/20	12:14
Relinquished by		Juan Vasquez (PCL)	11/25	13:50
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/25/20	1350

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 30-Nov-20 16:33
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0635-01) Collected: 25-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02509	1.8	25-Nov-20	28-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02509	1.8	25-Nov-20	28-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	25-Nov-20	25-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02805	0.05	25-Nov-20	25-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0564

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	112320	10:30	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
			1	Enterococcus	Grab	AQ	Coli	ST	

RECEIVED
NOV 23 2020
By

Geotracker EDD:
Logcode: !PCI
Global ID: WDR100000138

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	112320	13:20
Received by	Juan Vasquez (PCL)	11/23/20	13:20
Relinquished by	Juan Vasquez (PCL)	11/23/20	14:15
Received by			
Relinquished by			
Received in Lab by	NOV 23 2020		1351

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 11-Dec-20 07:18
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0636-01) Collected: 25-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK02814	1	28-Nov-20	28-Nov-20	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL00228	0.10	02-Dec-20	02-Dec-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK02504	0.05	25-Nov-20	25-Nov-20	**0.10 mg/l**	
Nitrite as N	EPA 353.2	AK02504	0.05	25-Nov-20	25-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL00923	0.10	09-Dec-20	10-Dec-20	**0.80 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK02704	2	27-Nov-20	02-Dec-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0636

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/25/20	1200	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	11/24/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/25/20	12:10
Received by		Juan Vasquez (PCL)	11/25/20	12:40
Relinquished by		Juan Vasquez (PCL)	11/25/20	13:50
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/25/20	1350

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 03-Dec-20 11:06
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0648-01) Collected: 26-Nov-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02703	1.8	26-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02703	1.8	26-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	26-Nov-20	26-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02805	0.05	27-Nov-20	27-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/3/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0648

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11-26-20	9:45	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
4	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11-26-20	9:50
Received by:	Alex Walker Jr.	11-26-20	1045
Relinquished by:			
Received by:			
Relinquished by:			
Received by lab by:	NOV 26 2020		1258

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 03-Dec-20 11:09
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0655-01) Collected: 27-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02703	1.8	27-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02703	1.8	27-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	27-Nov-20	27-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02805	0.05	28-Nov-20	28-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/3/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0655

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/27/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 27 2020
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/27/20	13:20
Received by Alex Walker Jr	Alex Walker Jr	11/27/20	13:20
Relinquished by			
Received by			
Relinquished by			
Received in lab by Alex Walker Jr.	NOV 27 2020		1510

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 03-Dec-20 11:11
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0659-01) Collected: 28-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02816	1.8	28-Nov-20	30-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02816	1.8	28-Nov-20	30-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02812	0.1	28-Nov-20	28-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02917	0.05	29-Nov-20	29-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/3/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20160659

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project:

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/28/20	1025	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Gectracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alcaraz (CAPC)	11/28/20	1235
Received by		Jordan Corkery	11/28/20	1235
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	11/28/20	1410

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

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Dec-20 10:28
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0664-01) Collected: 29-Nov-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02919	1.8	29-Nov-20	01-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02919	1.8	29-Nov-20	01-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	29-Nov-20	29-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK03021	0.05	30-Nov-20	30-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/10/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20K0664

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/29/20	9:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 29 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	11/29/20	9:47
Received by	Alex Walker Jr.	11/29/20	12:21
Relinquished by			
Received by			
Relinquished by			
Received in lab by		NOV 29 2020	1505

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Dec-20 10:33
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0679-01) Collected: 30-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK03027	1.8	30-Nov-20	03-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK03027	1.8	30-Nov-20	03-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	30-Nov-20	30-Nov-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00116	0.05	01-Dec-20	01-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC - Integrated Performance Consultants, Inc.

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20k0679

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	11/30/20	11:30	1	~~pH, T.Res.Chlorine~~	Grab	AQ	500 P	4°C	7.66/12.9°C
	"	"	1	~~Total Coliform, Fecal Coliform~~	Grab	AQ	Coli	ST	

RECEIVED
NOV 30 2020
By

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

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/30/20	12:00
Received by	Amanda Olmos (PCL)	11/30/20	13:00
Relinquished by	Amanda Olmos (PCL)	11/30/20	14:00
Received by			
Relinquished by			
Received in lab by	NOV 30 2020		1420

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 11-Dec-20 07:21
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0024-01) Collected: 01-Dec-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AL00117	1.8	01-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00117	1.8	01-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	01-Dec-20	01-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00231	0.05	02-Dec-20	02-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2010024

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project: (MCC) EFF - Daily

Sampled by: Golan Kfir
Report Attention: Ric Vardei / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/1/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/1/20	12:11
Received by:	Juan Vasquez (IPC)	12/1/20	12:11
Relinquished by:	Juan Vasquez (IPC)	12/1/20	13:10
Received by:			
Relinquished by:			
Received in lab by:	DEC 01 2020		1457

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 11-Dec-20 07:24
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0078-01) Collected: 02-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00230	1.8	02-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00230	1.8	02-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	02-Dec-20	02-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00323	0.05	03-Dec-20	03-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 7020079

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/02/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.57/21.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	12/02/20	12:30
Received by		Armando Olmos (IPC)	12/2/20	12:30
Relinquished by		Armando Olmos (IPC)	12/2/20	1420
Received by				
Relinquished by				
Received by		DEC 02 2020		1416

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:07
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0084-01) Collected: 02-Dec-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AL00724	5	07-Dec-20	13-Dec-20	**824 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AL00723	20.0	07-Dec-20	07-Dec-20	**232 mg/l**	
Sulfate as SO4	EPA 300.0	AL00723	10.0	07-Dec-20	07-Dec-20	**115 mg/l**	
Boron	EPA 200.7	AL00319	0.10	03-Dec-20	04-Dec-20	**0.30 mg/l**	
Phosphorus, Total as P	EPA 365.3	AL00412	0.50	04-Dec-20	05-Dec-20	**8.40 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AL00321	0.20	03-Dec-20	03-Dec-20	**0.23 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AL00822	5	08-Dec-20	09-Dec-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0084

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** CG	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/02/20	1115	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.52/20.2
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

RECEIVED
DEC 02 2020
By

Geotracker EDD:
Logcode: IPGI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAL)	12/02/20	12:30
Received by		Hans Oh. (PCL)	12/2/20	12:30
Relinquished by		Amanda Olmos (PCL)	12/2/20	14:20
Received by				
Relinquished by				
Received in lab by		DEC 02 2020		1441

Sample Received Checklist

Temperature upon receipt: 4 C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
(G) - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
(HC) - HCl
HS - H_2SO_4
(HN) - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:17
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0080-01) Collected: 02-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL00324	1	03-Dec-20	03-Dec-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL00718	0.10	07-Dec-20	07-Dec-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL00327	0.05	03-Dec-20	03-Dec-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AL00327	0.05	03-Dec-20	03-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL01415	0.10	14-Dec-20	15-Dec-20	**1.23 mg/l**	
EFF (Sample I.D.# : 20L0080-02) Collected: 01-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL00325	2	03-Dec-20	08-Dec-20	**8 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0020

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/02/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.57 / 21.3°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/01/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 02 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/02/20	12:30
Received by		Amanda Olmos (PCL)	12/1/20	17:30
Relinquished by		Amanda Olmos (PCL)	12/2/20	1420
Received by				
Relinquished by				
Received in Lab by		DEC 02 2020		1420

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Dec-20 10:48
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0091-01) Collected: 02-Dec-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL00324	1	03-Dec-20	03-Dec-20	**177 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL00325	2	03-Dec-20	08-Dec-20	**214 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060091

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/1/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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DEC 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (CPC)	12/2/20	17:30
Received by		Amanda Olvera (CPC)	12/2/20	17:30
Relinquished by		Amanda Olvera (IPC)	12/2/20	1420
Received by				
Relinquished by				
Received in lab by		DEC 02 2020		1506

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 07:29
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0108-01) Collected: 03-Dec-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00326	1.8	03-Dec-20	05-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00326	1.8	03-Dec-20	05-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	03-Dec-20	03-Dec-20	**6.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00411	0.05	04-Dec-20	04-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 08:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0135-01) Collected: 04-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00407	1.8	04-Dec-20	06-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00407	1.8	04-Dec-20	06-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00505	0.1	04-Dec-20	04-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00504	0.05	05-Dec-20	05-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0135

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project:	
Address: Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	12/04/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
DEC 04 2020
By

Geotracker EDD:
~~Logcode: IPCI~~
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (SRE)	12/04/20	1140
Received by			12/4/20	1200
Relinquished by				
Received by				
Relinquished by				
Received in Lab		DEC 03 2020		1333

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 08:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0147-01) Collected: 05-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00512	1.8	05-Dec-20	07-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00512	1.8	05-Dec-20	07-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00509	0.1	05-Dec-20	05-Dec-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00626	0.05	06-Dec-20	06-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020147

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Joyce Dorado	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	12/04/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/15.2 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joyce Dorado	Joyce Dorado (IPC)	12/04/20	9:50
Received by:	Cindy Manguia	12/5/20	1:20
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	RM PCL	12/5/20	1320

Sample Received Checklist

Temperature upon receipt:		
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0150-01) Collected: 06-Dec-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AL00627	1.8	06-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00627	1.8	06-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	06-Dec-20	06-Dec-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00719	0.05	07-Dec-20	07-Dec-20	**0.23 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0150

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: Mario Aguirre		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/6/20	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0 | 14.9°C
11			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/6/20	4:35
Received by		Cindy Nguyen	12-6-20	10:34
Relinquished by		Cindy Nguyen	12-6-20	13:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/7/20	1130

Sample Received Checklist

Temperature upon receipt: 4cc
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:49
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0157-01) Collected: 07-Dec-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AL00720	1.8	07-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00720	1.8	07-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	07-Dec-20	07-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00826	0.05	08-Dec-20	08-Dec-20	**0.13 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 201057

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/07/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 07 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/07/20	1130
Received by		Eb Evans (IPC)	12/7/20	1145
Relinquished by		Eb Evans (IPC)	12/7/20	1300
Received by				
Relinquished by				
Received in lab by		DEC 07 2020		1206

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0182-01) Collected: 08-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00825	1.8	08-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00825	1.8	08-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	08-Dec-20	08-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00927	0.05	09-Dec-20	09-Dec-20	**0.18 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC - Integrated Performance Consultants, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020182

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Ric Vardell/ Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/08/20	11 15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GAC)	12/08/20	1115
Received by			12/8/20	1120
Relinquished by			12/8/20	1230
Received by				
Relinquished by				
Received by		DEC 08 2020		1249

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:21
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0214-01) Collected: 08-Dec-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL01032	1	10-Dec-20	10-Dec-20	**219 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01031	2	10-Dec-20	15-Dec-20	**283 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040214

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C.D.

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/08/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAC)	12/09/20	12:20
Received by		[illegible] (IPC)	12/9/20	12:20
Relinquished by		[illegible] (IPC)	12/9/20	14:40
Received by				
Relinquished by				
Received in Lab by		DEC 09 2020		1556

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:56
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0208-01) Collected: 09-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00928	1.8	09-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00928	1.8	09-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	09-Dec-20	09-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01029	0.05	10-Dec-20	10-Dec-20	**0.16 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0208

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/09/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.60/20.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/09/20	17:20
Received by		Armando Olmos (IPCL)	12/9/20	17:20
Relinquished by		Armando Olmos (IPCL)	12/9/20	19:00
Received by				
Relinquished by				
Received by		DEC 09 2020		1513

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Dec-20 14:54
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0216-01) Collected: 09-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL01032	1	10-Dec-20	10-Dec-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL01419	0.10	14-Dec-20	14-Dec-20	**0.16 mg/l**	
Nitrate as N	EPA 353.2	AL01027	0.05	10-Dec-20	10-Dec-20	**0.42 mg/l**	
Nitrite as N	EPA 353.2	AL01027	0.05	10-Dec-20	10-Dec-20	**0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL01620	0.10	16-Dec-20	17-Dec-20	**1.22 mg/l**	
EFF (Sample I.D.# : 20L0216-02) Collected: 08-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01031	2	10-Dec-20	15-Dec-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040216

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Weekly
Sampled by: Rid Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/09/20	1110	1	TSS	Grab	AQ	1L P	4°C	7.66 / 14.4 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/08/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (IPC)	12/09/20	12:20
Received by		Anne Oh (PCL)	12/9/20	1720
Relinquished by		Armando Olivas (PCL)	12/9/20	14:00
Received by				
Relinquished by				
Received in Lab		DEC 09 2020		1603

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water, SO -Soil / Sludge, OT - Other
Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations:
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0235-01) Collected: 10-Dec-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01030	1.8	10-Dec-20	12-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01030	1.8	10-Dec-20	12-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	10-Dec-20	10-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01110	0.05	11-Dec-20	11-Dec-20	**0.56 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0235

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/10/20	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.24 / 17.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
DEC 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/10/20	12:15
Received by:	Armando Olmos IPC	12/10/20	12:15
Relinquished by:	Armando Olmos IPC	12/10/20	14:05
Received by:			
Relinquished by:			
Received by:	DEC 10 2020		1345

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type	Preservations
(Grab)	(AQ) - Water	(P) - Plastic	HC - HCl
Comp	SO - Soil / Sludge	G - Amber Glass	HS - H_2SO_4
	OT - Other	VOA - 40 ml Vial	HN - HNO_3
		(Coli) - bacteria	HP - H_3PO_4
			OH - NaOH
			(ST) - Sodium Thiosulfate
			AA - Ascorbic Acid
			Al - $AlCl_3$
			Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:02
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0252-01) Collected: 11-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01112	1.8	11-Dec-20	13-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01112	1.8	11-Dec-20	13-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	11-Dec-20	11-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01205	0.05	12-Dec-20	12-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0252

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: RC Vardel / Golan Kfir
Report Attention:

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/11/20	1050	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/11/20	11:09
Received by		Juan Vasquez (PCL)	12/11/20	11:09
Relinquished by		Juan Vasquez (PCL)	12/11/20	12:20
Received by				
Relinquished by				
Received in lab by		DEC 11 2020		12:11

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:04
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0271-01) Collected: 12-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01204	1.8	12-Dec-20	14-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01204	1.8	12-Dec-20	14-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01315	0.1	12-Dec-20	12-Dec-20	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01314	0.05	13-Dec-20	13-Dec-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010271

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Acuña
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/12/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.8 / 16.0 °C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Acuña	Jesus Acuña (IPC)	12/12/20	9:55
Received by:	Cindy Marquez (PCL)	12/12/20	10:30
Relinquished by:	Cindy Marquez	12/12/20	11:17
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	12/12/20	11:17

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0275-01) Collected: 13-Dec-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01313	1.8	13-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01313	1.8	13-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	13-Dec-20	13-Dec-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01417	0.05	14-Dec-20	14-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20120275~~01~~

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardell/Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/13/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 18.0
11	11	9:48	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/13/20	9:53
Received by			12/13/20	23
Relinquished by			12/14/20	11:00
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/13/20	1110

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:42
Subject: (MCC) Daily EFF

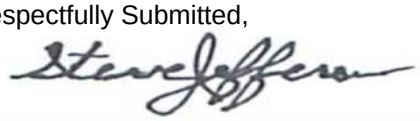
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0291-01) Collected: 14-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01416	1.8	14-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01416	1.8	14-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	14-Dec-20	14-Dec-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01526	0.05	15-Dec-20	15-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 201029/

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/14/20	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

RECEIVED
DEC 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/14/20	1135
Received by		[illegible]	12/14/20	1140
Relinquished by		[illegible]	12/14/20	1235
Received by				
Relinquished by				
Received for lab by		DEC 14 2020		1232

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:45
Subject: (MCC) Daily EFF

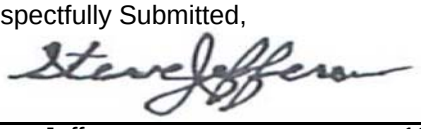
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0313-01) Collected: 15-Dec-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AL01530	1.8	15-Dec-20	17-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01530	1.8	15-Dec-20	17-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	15-Dec-20	15-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01616	0.05	16-Dec-20	16-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010313

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/15/20	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.64/20.97
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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DEC 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/15/20	13:00
Received by:	Armando Olmos (PCL)	12/15/20	13:00
Relinquished by:	Armando Olmos (PCL)	12/15/20	14:45
Received by:			
Relinquished by:			
Received for Lab by:	DEC 15 2020		1454

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:04
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0348-01) Collected: 15-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL01728	1	17-Dec-20	17-Dec-20	**225 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01730	2	17-Dec-20	22-Dec-20	**310 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020348

(MCC) INF - Weekly

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/15/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

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DEC 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/16/20	12:50
Received by		Armando Olmos (PCL)	12/16/20	12:50
Relinquished by		ARMANDO OLMOS (PCL)	12/16/20	14:25
Received by				
Relinquished by				
Received in Lab by		DEC 16 2020		1439

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:47
Subject: (MCC) Daily EFF

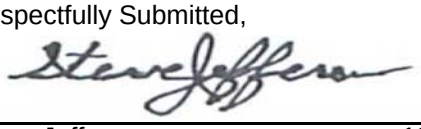
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0345-01) Collected: 16-Dec-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AL01625	1.8	16-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01625	1.8	16-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	16-Dec-20	16-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01725	0.05	17-Dec-20	17-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20203415

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/16/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.74 / 18.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

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DEC 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/16/20	12:50
Received by		Armando Olmos (PCL)	12/16/20	12:50
Relinquished by		ARMANDO OLMOS (PCL)	12/16/20	14:25
Received by				
Relinquished by				
Received in lab by		DEC 16 2020		1432

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:43
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0350-01) Collected: 16-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL01728	1	17-Dec-20	17-Dec-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL01811	0.10	18-Dec-20	18-Dec-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL01733	0.05	17-Dec-20	17-Dec-20	**0.32 mg/l**	
Nitrite as N	EPA 353.2	AL01733	0.05	17-Dec-20	17-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL02827	0.10	28-Dec-20	29-Dec-20	**0.62 mg/l**	
EFF (Sample I.D.# : 20L0350-02) Collected: 15-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01730	2	17-Dec-20	22-Dec-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040350

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

Report Attention:

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/15/20	1210	1	TSS	Grab	AQ	1L P	4°C	7.74/18.8°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/15/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/16/20	17:50
Received by		Armando Alvarez (PCL)	12/16/20	17:50
Relinquished by		ARMANDO AMOS (PCL)	12/16/20	14:25
Received by				
Relinquished by				
Received for lab by		DEC 16 2020		14:48

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:49
Subject: (MCC) Daily EFF

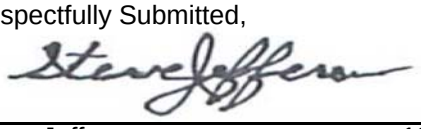
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0387-01) Collected: 17-Dec-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AL01731	1.8	17-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01731	1.8	17-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	17-Dec-20	17-Dec-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01808	0.05	18-Dec-20	18-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0387

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/17/20	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.79/14.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 17 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	12/17/20	13:20
Received by:	Ademuwa Olumide (IPC)	12/17/20	13:20
Relinquished by:	Ademuwa Olumide (IPC)	12/17/20	15:00
Received by:			
Relinquished by:			
Received for lab by:	DEC 17 2020		1337

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0410-01) Collected: 18-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01813	1.8	18-Dec-20	20-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01813	1.8	18-Dec-20	20-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	18-Dec-20	18-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01905	0.05	19-Dec-20	19-Dec-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0410

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/18/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.68/17.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	12/18/20	1135
Received by		Armando Olmos (PCL)	12/18/20	12:20
Relinquished by		Armando Olmos (PCL)	12/18/20	14:10
Received by				
Relinquished by				
Received by		DEC 18 2020		1259

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0424-01) Collected: 19-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01904	1.8	19-Dec-20	21-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01904	1.8	19-Dec-20	21-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01914	0.1	19-Dec-20	19-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02027	0.05	20-Dec-20	20-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0424

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Avalos
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/19/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	

RECEIVED
DEC 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/19/20	9:50
Received by:	Juan Vasquez (PCL)	12/19/20	10:04
Relinquished by:	Juan Vasquez (PCL)	12/19/20	10:50
Received by:			
Relinquished by:			
Received in lab by:	DEC 19 2020		1227

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab)	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
(AQ) - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	(ST) - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
(P) - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0428-01) Collected: 20-Dec-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02025	1.8	20-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02025	1.8	20-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	20-Dec-20	20-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02129	0.05	21-Dec-20	21-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C428-01

Customer:	IPC - Integrated Performance Consultants, Inc.	Project: -	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/20/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 20 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/20/20	9:53
Received by		Alex Wall Jr (Pat)	12/20/20	11:00
Relinquished by		Alex Wall Jr	12/20/20	1300
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/20/20	1320

Sample Received Checklist

Temperature upon receipt: 4c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(G) Grab
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:16
Subject: (MCC) Daily EFF

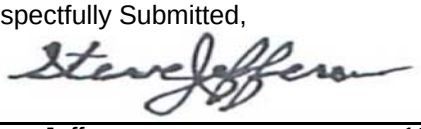
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0437-01) Collected: 21-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02131	1.8	21-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02131	1.8	21-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	21-Dec-20	21-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02229	0.05	22-Dec-20	22-Dec-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010437

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/21/20	1045	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.66 / 20.2 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
DEC 21 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/21/20	12:25
Received by		Hermenegildo Cruz (PCL)	12/21/20	12:25
Relinquished by				
Received by				
Relinquished by				
Received by		DEC 21 2020		1231

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0486-01) Collected: 22-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02228	1.8	22-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02228	1.8	22-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	22-Dec-20	22-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02326	0.05	23-Dec-20	23-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0486

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/22/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/9.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/22/20	1420
Received by		MARIO SANTIESTEBAN	12/22/20	1420
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	12/23/20	1420

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:53
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0529-01) Collected: 23-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02327	1.8	23-Dec-20	25-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02327	1.8	23-Dec-20	25-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	23-Dec-20	23-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02404	0.05	24-Dec-20	24-Dec-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0529

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/23/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
DEC 23 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	12/23/20	1210
Received by		pm	12/23/20	1235
Relinquished by		pm	12/23/20	1330
Received by				
Relinquished by				
Received by			DEC 23 2020	1345

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Jan-21 14:17
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0530-01) Collected: 23-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL02611	1	26-Dec-20	27-Dec-20	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA10206	0.10	02-Jan-21	02-Jan-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA10626	0.05	24-Dec-20	24-Dec-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AA10626	0.05	24-Dec-20	24-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA10621	0.10	06-Jan-21	07-Jan-21	**0.54 mg/l**	
EFF (Sample I.D.# : 20L0530-02) Collected: 22-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL02716	2	27-Dec-20	04-Jan-21	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0530

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/23/20	1210	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/22/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 23 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/23/20	1210
Received by			12/23/20	1235
Relinquished by			12/23/20	1330
Received by				
Relinquished by				
Received by		DEC 23 2020		1348

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

2. **Independent Contractor**

3. **Orders and Acceptance**

4. **Limit of Liability**

5. **Clients Responsibility**

6. **Cancellation**

7. **Overriding Agreement**

8. **Force Majeure**

9. **Confidentiality**

10. **Hold Harmless**

11. **Hazardous Substances**

12. **Prices/Payments**

13. **Agreement Modification**

14. **No Third Party Beneficiaries: No Right of Reliance**

15. **Rush Analysis**

16. **Holding Times**

17. **Sample Retention**

18. **Sample Pick Up/Field Tech Sampling**

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:40
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0527-01) Collected: 23-Dec-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL02611	1	26-Dec-20	27-Dec-20	**216 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL02410	2	24-Dec-20	29-Dec-20	**308 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0527

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by:		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/22/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/23/20	1000
Received by			12/23/20	1235
Relinquished by			12/23/20	1330
Received by				
Relinquished by				
Received by		DEC 23 2020		1339

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type	Preservations
C Grab Comp	AQ - Water SO -Soil / Sludge OT - Other	P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any addenda or amendments thereto which are agreed to in writing. "Client" means the individual or entity who has signed (electronically, verbally, submitting an order/quote request) and have previously accepted, assigned and agreed to these Terms and Conditions of Sale. "Price Schedule" means the current Pat-Chem Laboratories (PCL) standard price schedule, or such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following "Terms and Conditions" (the "Terms"). These Terms shall not apply to PCL and the Client that have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms of Sale shall be valid and binding unless in writing and executed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the Terms and conditions and (ii) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions proposed in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of the agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (LLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Waste water and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for assisting PCL at the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples received for analysis, be/was asbestos, polychlorinated biphenyls (PCBs), bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at such under federal, state or local laws, rules, regulations, ordinances, amendments, national or executive executive promulgations or any policies of governmental administration, or any branch of the ("Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for asbestos bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:56
Subject: (MCC) Daily EFF

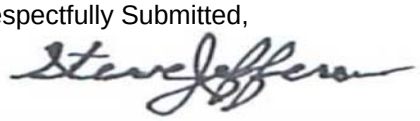
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0554-01) Collected: 24-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02409	1.8	24-Dec-20	26-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02409	1.8	24-Dec-20	26-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	24-Dec-20	24-Dec-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02606	0.05	24-Dec-20	24-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010554

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Avalos
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/24/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.93/16.1°C
4	4	4	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos	12/24/20	9:50
Received by:	Armando Chan (PCL)	12/24/20	11:45
Relinquished by:	Armando Chan (PCL)	12/24/20	13:35
Received by:			
Relinquished by:			
Received in lab by:	DEC 24 2020		1307

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodology as [illegible]. Where any of its laboratories is not [illegible] the U.S. Environmental Protection Agency (EPA), U.S. Occupational Health and Safety Administration (OSHA), or the U.S. Food and Drug Administration (FDA) in the examination of water and wastewater, and/or other recognized methodologies, PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of the samples or other circumstances in the reasonable judgement of PCL. Deviations, if any, will be made in a way consistent with the relevant standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a work scope and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for assisting PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:58
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0557-01) Collected: 25-Dec-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02503	1.8	25-Dec-20	27-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02503	1.8	25-Dec-20	27-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	25-Dec-20	25-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02606	0.05	26-Dec-20	26-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060557

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/25/20	7:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	~	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/25/20	11:15
Received by	Alex Walker Jr	12/25/20	11:15
Relinquished by			
Received by			
Relinquished by			
Received by	DEC 25 2020		1300

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) -Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P)- Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli)- bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST)- Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0561-01) Collected: 26-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02609	1.8	26-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02609	1.8	26-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02719	0.1	26-Dec-20	26-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02613	0.05	26-Dec-20	26-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040561

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Avalos
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/26/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 26 2020
By Alex Walker Jr.

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos	12/26/20	9:55
Received by: Alex Walker Jr.	Alex Walker Jr	12/26/20	1130
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Walker Jr.	DEC 26 2020		1350

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
(G) Grab	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:03
Subject: (MCC) Daily EFF

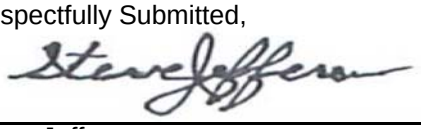
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0566-01) Collected: 27-Dec-20 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AL02717	1.8	27-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02717	1.8	27-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02719	0.1	27-Dec-20	27-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02718	0.05	27-Dec-20	27-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020566

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: MA of IPC	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/27/20	9:47	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/27/20	9:52
Received by	Alex Walka Jr	12/27/20	11:30
Relinquished by			
Received by			
Relinquished by			
Received in lab		DEC 27 2020	1343

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(G) Grab
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:05
Subject: (MCC) Daily EFF

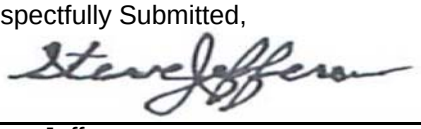
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0584-01) Collected: 28-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02829	1.8	28-Dec-20	01-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02829	1.8	28-Dec-20	01-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02838	0.1	28-Dec-20	28-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02839	0.05	28-Dec-20	28-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0584

Customer:	IPC - Integrated Performance Consultants, inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/28/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	12/28/20	1140
Received by		EB CPC	12/28/20	1150
Relinquished by		EB CPC	12/28/20	1247
Received by				
Relinquished by				
Received in lab by			DEC 28 2020	1247

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:08
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0659-01) Collected: 29-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02915	1.8	29-Dec-20	02-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02915	1.8	29-Dec-20	02-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	29-Dec-20	29-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL03023	0.05	30-Dec-20	30-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample
Sample I.D.#: 20L0659

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/29/20	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	~	1	Totai Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/29/20	1140
Received by: EB	Carb	12/29/20	1145
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: EB	Carb	12/29/20	1415

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987
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(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Jan-21 14:19
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0718-01) Collected: 29-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL03107	1	31-Dec-20	04-Jan-21	**211 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA10320	2	03-Jan-21	08-Jan-21	**339 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0718

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/29/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
	"	"							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivares (IPC)	12/30/20	1000
Received by	Eb Cm	pm	12/30/20	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Eb Cm	pm	12/30/20	1515

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1824 1st Street
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(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:11
Subject: (MCC) Daily EFF

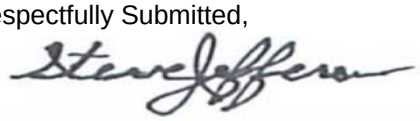
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0709-01) Collected: 30-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL03026	1.8	30-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL03026	1.8	30-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	30-Dec-20	30-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10205	0.05	31-Dec-20	31-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020709

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/30/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/30/20	1120
Received by	Eb	Carlos pm	12/30/20	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Eb	Carlos pm	12/30/20	1450

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Jan-21 11:19
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0720-01) Collected: 30-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL03107	1	31-Dec-20	04-Jan-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA10422	0.10	04-Jan-21	04-Jan-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA10729	0.05	31-Dec-20	31-Dec-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AA10729	0.05	31-Dec-20	31-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA11230	0.10	12-Jan-21	13-Jan-21	**0.98 mg/l**	
EFF (Sample I.D.# : 20L0720-02) Collected: 29-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA10320	2	03-Jan-21	08-Jan-21	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/13/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0720

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/30/20	1120	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	12/29/30	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/30/20	1120
Received by	EB	Carlos PM	12/30/20	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by	EB	Carlos PM	12/30/20	1530

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0766-01) Collected: 31-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL03106	1.8	31-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL03106	1.8	31-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	31-Dec-20	31-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10205	0.05	02-Jan-21	02-Jan-21	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010766

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/31/20	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/31/20	1125
Received by: Eb	Evan B	12/31/20	1145
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Eb	Evan B	12/31/20	1300

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Malibu Civic Center Wastewater Treatment Facility

Fourth Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

prepared for

City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

January 29, 2021

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com
www.rinconconsultants.com

January 29, 2021
Project No: 20-09665

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

Subject: Fourth Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California

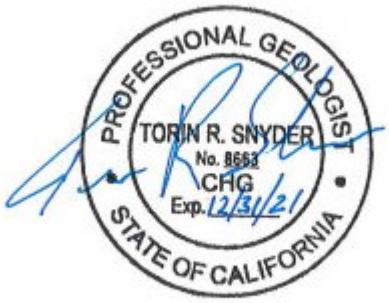
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the Fourth Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California. The CCWTF began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was initiated.

The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts due to land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of the Fourth Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report.

Sincerely,
Rincon Consultants, Inc.



Kiernan Brtalik, CPSWQ, QSP/D
Environmental Scientist

Torin Snyder, PG, CHG, TOR, QSD/P
Principal

Certification

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment."

Executed on the 27 day of January at _____

Signature

Yolanda Bundy, Environmental Sustainability Director

Title

Table of Contents

1 Introduction 1
2 Background 1
3 Geologic and Hydrogeologic Setting 3
3.1 Hydrology 3
3.2 Geology 3
3.3 Hydrogeology 3
4 Completed Activities During Fourth Quarter 2020 4
5 Groundwater Elevations and Gradients 4
5.1 Shallow Zone 5
5.2 Deep Zone 5
5.3 Winter Canyon 6
6 Water Quality Sampling Analysis 6
6.1 Surface Water 7
6.2 Groundwater 8
6.3 Analytical Laboratory QA/QC 10
7 Scheduled Activities for the First Quarter of 2021 10
8 Summary of Monitoring Activities 11
8.1 Groundwater Elevations 11
8.2 Surface Water Quality 11
8.3 Groundwater Quality 11
9 Limitations 12
10 References 12

Tables

Table 1 Groundwater Elevations
Table 2 Long-Term Groundwater and Surface Water Analytical Matrix
Table 3 Surface Water Analytical Results
Table 4 Groundwater Analytical Results

Figures

Figure 1 Vicinity Map
Figure 2 Site Map – Monitoring Network
Figure 3 Shallow Groundwater Elevations October 2020
Figure 4 Shallow Groundwater Elevations November 2020
Figure 5 Shallow Groundwater Elevations December 2020
Figure 6 The Nitrogen Cycle

Appendices

Appendix A Groundwater and Surface Water Field Sheets
Appendix B Analytical Laboratory Reports

1 Introduction

This report presents the results of groundwater and surface water monitoring activities conducted during the fourth quarter of 2020 for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California (Figure 1). The CCWTF began discharging treated wastewater in the third quarter of 2018, triggering Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu (Figure 2). The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Recycled Water in the Prohibition area in conformance with California Code of Regulations, Title 22
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following activation of the CCWTF operations, baseline monitoring activities (Task I) were completed and long-term monitoring activities (Task II) were triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

The basin-wide long-term monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks were designed to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of this task was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells and surface water quality at 10 locations on a quarterly basis. Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of samples collected for a given quarter may be reduced from nine to seven groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds.

The objective of long-term monitoring is to identify impacts, if any, that land disposal of recycled water, via injection and landscape irrigation or percolation, have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells were chosen to provide adequate spatial and vertical coverage of the basin near the CCWTF injection to monitor for potential adverse impacts. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program builds upon the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at sixteen groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City of Malibu and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City of Malibu has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen groundwater wells located in the City of Malibu's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109-square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (Department of Water Resources [DWR] groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is composed of non-water-bearing Tertiary age rocks.

Water bearing geologic formations in the Malibu Valley Groundwater Basin include Holocene alluvium, consisting of clays, silts, sands, and gravels overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to about 175 feet in the central part of the main body of the alluvium. The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-

grained estuarine deposits, and 3) an underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 2000, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 20 feet below grade and is deeper in the upland canyon areas.

4 Completed Activities During Fourth Quarter 2020

The following activities were completed during the fourth quarter of 2020:

- Rincon measured depth to water in groundwater monitoring wells on October 22, November 16, and December 18, 2020 (Task V)
- Rincon collected and analyzed groundwater samples for WDR/MRP (Task II) compliance on November 17 and 18, 2020
- Rincon collected and analyzed surface water samples for WDR/MRP (Task II) compliance on November 18, 2020

5 Groundwater Elevations and Gradients

During each month of the quarter, Rincon mobilized to 43 groundwater monitoring wells to measure the depth to water using an electronic water level indicator (summarized in the table below; also see Table 1 and Appendix A).

Groundwater Monitoring Locations

Shallow Zone (33 wells)[1]				
C-1	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	M6-1	M6-2
M7-1	M7-2	MBCMW-5	MBCMW-7	MBCMW-8
MBCMW-9	MBCMW-10	MCWP-MW04S	MCWP-MW07S	MCWP-MW08
MCWP-MW10	P-4	P-9	SMBRP-2	SMBRP-6
SMBRP-7B	SMBRP-8 (EC1-RC-MW01)	SMBRP-9	SMBRP-10C	SMBRP-12
SMBRP-13	SMBRP-15B[2]	SMBRP-16		
Deep Zone (8 wells)				
MCWP-MW01	MCWP-MW02	MCWP-MW03	MCWP-MW04D	MCWP-MW05
MCWP-MW06	MCWP-MW07D	MCWP-MW09		
Winter Canyon (2 wells)				
LAMW-5S	SMBRP-11			

[1] Two wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

[2] SMBRP-15B has been dry as of the first monitoring event in August 2015

5.1 Shallow Zone

Groundwater elevation measurements from each shallow monitoring well are included in Table 1 and shown on Figures 3, 4, and 5. The following table summarizes the shallow groundwater elevation ranges observed during the fourth quarter of 2020, changes in elevation compared to the third quarter of 2020, and historical groundwater elevation range.

Summary of Groundwater Elevations – Shallow Zone

4th Quarter 2020		3rd Quarter 2020		Average Difference	Historical	
Minimum	Maximum	Minimum	Maximum	(4Q20-3Q20)	Minimum	Maximum
1.22 (MBCMW-5)	22.09 (SMBRP-8)	1.78 (MBCMW-5)	24.24 (SMBRP-8)	Decrease 0.01	1.09 (CCPE, 5/2020)	25.38 (SMBRP-8, 05/2017)

Changes from October to December 2020					
Decrease			Increase		
# Observed	Maximum	Average	# Observed	Maximum	Average
22	-3.49 (MBCMW-10)	-0.89	4	3.81 (SMBRP-6)	1.42

Note: Elevations measured in feet above mean sea level

The shallow groundwater gradient was calculated, and flow direction estimated based on the monthly groundwater elevation data in SMBRP-2, SMBRP-9, and SMBRP-12 and summarized in the table below (Figures 3, 4, and 5).

Summary of Groundwater Gradients

Month	Gradient (feet per foot)	Flow Direction
October	0.0043	South-southeast
November	0.0044	South-southeast
December	0.0033	South-southeast

5.2 Deep Zone

Groundwater elevation measurements from each deep monitoring well are included in Table 1. The following table summarizes the deep groundwater elevation ranges observed in the fourth quarter of 2020, changes in elevation compared to the third quarter of 2020, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

4th Quarter 2020		3rd Quarter 2020		Average Difference	Historical	
Minimum	Maximum	Minimum	Maximum	(4Q20-3Q20)	Minimum	Maximum
5.04 (MCWP-MW07D)	10.76 (MCWP-MW09)	4.16 (MCWP-MW07D)	10.56 (MCWP-MW09)	Increase 0.87	4.09 (MCWP-MW07D, 12/2017)	11.55 (MCWP-MW09, 12/2015)
Changes from October to December 2020						
Decrease			**Increase**			
# Observed	Maximum	Average	# Observed	Maximum	Average	
1	-0.08 (MCWP-MW02)	--	7	1.08 (MCWP-MW07D)	0.91	

Note: Elevations measured in feet above mean sea level

5.3 Winter Canyon

Groundwater elevation measurements from each Winter Canyon monitoring well are included in Table 1. The following table summarizes the Winter Canyon groundwater elevation ranges observed in the fourth quarter of 2020, changes in elevation compared to the third quarter of 2020, and historical groundwater elevation ranges.

Summary of Groundwater Elevations – Winter Canyon

4th Quarter 2020		3rd Quarter 2020		Average Difference	Historical	
Minimum	Maximum	Minimum	Maximum	(4Q20-3Q20)	Minimum	Maximum
9.65 (SMBRP-11)	50.25 (LAMW-5S)	9.70 (SMBRP-11)	51.30 (LAMW-5S)	Decrease 0.87	9.31 (SMBRP-11, 05/2018)	58.65 (LAMW-5S, 03/2019)
Changes from October to December 2020						
Decrease			**Increase**			
# Observed	Maximum	Average	# Observed	Maximum	Average	
2	-1.82 (LAMW-5S)	-0.99	0	--	–	

Note: Elevations measured in feet above mean sea level

6 Water Quality Sampling Analysis

This section presents laboratory analytical results for samples collected during the fourth quarter 2020 monitoring event. Included below are the constituents required by the WDR for surface water monitoring, and which are also analyzed in groundwater samples. This includes total and fecal coliform, nitrate as nitrogen, nitrite as nitrogen, organic nitrogen, ammonia, total Kjeldahl nitrogen (TKN), and total phosphorous. Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone. A schematic of this process is provided as Figure 6.

Surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The laboratory analytical results for the fourth quarter 2020 monitoring event are provided in Table 3 and Table 4. Analytical laboratory reports are included as Appendix B of this report.

6.1 Surface Water

A total of 10 surface water samples were collected on November 18, 2020. Four ocean water samples were collected from the Near Shore sampling locations (N-001 through N-004) and six surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006) in accordance with the WDR/MRP (Task II) monitoring requirements, as summarized in the table below.

Surface Water Sampling Locations

Near Shore Ocean	Malibu Lagoon and Creek
N-001	L-001
N-002	L-002
N-003	L-003
N-004	L-004
	L-005
	L-006

Sampling Methodology

The Near Shore ocean water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep). Surface water samples from Malibu Lagoon and Creek monitoring locations were collected from each location at a depth of approximately 12 inches below the surface of the water.

All surface water samples were collected up-current of sampling personnel to minimize potential contamination of surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy Analytical (Enthalpy), a California-accredited analytical laboratory located in Orange, California. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy under chain-of-custody documentation.

Laboratory Analyses

Near Shore

The following table summarizes constituent detections in surface water samples collected from the four Near Shore sampling locations. This table presents the number of samples detected above the laboratory detection limit (RDL), the minimum and maximum concentrations detected above the RDL, and average concentration for each detected constituent.[1]

[1] Averages throughout this report are calculated using the upper detection limit value for results that exceeded the upper detection limit and half of the RDL for results that were not detected.

Summary of Detected Concentrations in Surface Water – Near Shore

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	4	160 (N-001)	2,400 (N-003)	1,440	MPN/100 mL
Fecal Coliform	0	–	–	–	MPN/100 mL
Nitrate as Nitrogen	0	–	–	–	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	3	0.078 (N-004)	0.15 (N-003)	0.10	mg/L
Ammonia Nitrogen	0	–	–	–	mg/L
Total Kjeldahl Nitrogen	3	0.078 (N-004)	0.15 (N-003)	0.13	mg/L
Total Phosphorous	4	0.077 (N-004)	1.0 (N-001)	0.58	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

Malibu Lagoon and Creek

The following table summarizes constituent detections in surface water samples collected from the six Malibu Lagoon and Creek monitoring locations.

Summary of Detected Concentrations in Surface Water – Malibu Lagoon and Creek

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	6	-	>2,400 (L-001 to L-006)	2,400	MPN/100 mL
Fecal Coliform	6	36 (L-003)	580 (L-005)	162	MPN/100 mL
Nitrate as Nitrogen	0	-	-	-	mg/L
Nitrite as Nitrogen	0	-	-	-	mg/L
Organic Nitrogen	6	0.52 (L-001)	1.3 (L-003)	0.88	mg/L
Ammonia Nitrogen	0	-	-	-	mg/L
Total Kjeldahl Nitrogen	6	0.52 (L-001)	1.3 (L-003)	0.88	mg/L
Total Phosphorous	6	0.095 (L-005)	0.17 (L-004)	0.13	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.2 Groundwater

A total of seven groundwater monitoring wells were sampled during the fourth quarter of 2020 in accordance with the WDR/MRP (Task II) monitoring requirements. A total of nine groundwater monitoring wells are typically sampled quarterly as seen in the table below. However, the MRP specifies that if flows to the percolation ponds is less than 10 percent greater than the permitted flows then the City of Malibu can reduce the number of wells sampled and analyzed for the long-term monitoring program to seven groundwater monitoring wells. Per the WDR/MRP, the Winter Canyon groundwater monitoring wells (LAMW-S and SMBRP-11) were excluded from the fourth quarter of 2020 sampling event.

Groundwater Sampling Locations

Well ID	Zone	Task	Sampling Frequency
SMBRP-9	Shallow	II, III, IV	Quarterly
SMBRP-12	Shallow	II, III, IV	Quarterly
MCWP-MW04S	Shallow	II, III, IV	Quarterly
MCWP-MW07S	Shallow	II, III, IV	Quarterly
MCWP-MW04D	Deep	II, III, IV	Quarterly
MCWP-MW07D	Deep	II, III, IV	Quarterly
MCWP-MW09	Deep	II, III, IV	Quarterly
SMBRP-11	Winter Canyon	II, III, IV	Quarterly
LAMW-5S	Winter Canyon	II, III, IV	Quarterly
CCPE	Shallow	III, IV	Semi-Annually
SMBRP-7B	Shallow	III, IV	Semi-Annually
SMBRP-13	Shallow	III, IV	Semi-Annually
MBCMW-9	Shallow	III, IV	Semi-Annually
MCWP-MW10	Shallow	III, IV	Semi-Annually
MCWP-MW05	Deep	III	Semi-Annually
MCWP-MW06	Deep	III	Semi-Annually

Sampling Methodology

Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump or by hand bailing. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10 percent or until the well purged dry, whichever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water were stored in a 100-gallon and 250-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWTF.

Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to Enthalpy. Field data sheets are included in Appendix A.

Laboratory Analyses

The following table summarizes constituent detections in groundwater samples collected in the fourth quarter of 2020. For comparison, this table presents results for constituents also analyzed for in surface water samples. In addition to those constituents, total dissolved solids (TDS), which represents the total concentration of dissolved substances in water and are commonly associated

with OWDS effluent, is presented below. For a complete list of analytical results from groundwater samples, please refer to Appendix B.

Summary of Detected Concentrations in Groundwater

Constituent	Number Analyzed	Number Detected	Minimum Detected	Maximum Detected	Average	Unit
Total Coliform	7	5	18 (MCWP-MW07S)	>2,400 (MCWP-MW04S)	417	MPN/ 100 mL
Fecal Coliform	7	3	1.0 (MCWP-MW07D)	13 (SMBRP-12)	2.9	MPN/ 100 mL
Nitrate as Nitrogen	7	4	1.2 (MCWP-MW04S)	9.6 (SMBRP-9)	2.3	mg/L
Nitrite as Nitrogen	7	0	–	–	–	mg/L
Organic Nitrogen	7	7	0.14 (MCWP-MW04D)	1.3 (MCWP-MW04S)	0.48	mg/L
Ammonia Nitrogen	7	5	0.022 (SMBRP-9)	6.8 (SMBRP-12)	1.4	mg/L
Total Kjeldahl Nitrogen	7	7	0.14 (MCWP-MW04D)	7.4 (SMBRP-12)	1.9	mg/L
Total Phosphorous	7	7	0.088 (MCWP-MW04D)	1.3 (SMBRP-12)	0.35	mg/L
Total Dissolved Solids	7	7	240 (MCWP-MW04S)	2,000 (MCWP-MW09)	1,306	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. The notes column of the analytical reports also has the QC flags. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative.

7 Scheduled Activities for the First Quarter of 2021

The following activities will be completed during the first quarter of 2021:

- Prepare and submit the Fourth Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report to the LARWQCB
- Prepare and submit the 2020 Annual Long-Term Groundwater and Surface Water Monitoring Report to the LARWQCB
- Collect and analyze groundwater and surface water samples for WDR/MRP (Task II) compliance
- Measure depth to water in the groundwater monitoring wells in January, February, and March 2021 (Task V)

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the fourth quarter of 2020, groundwater elevations decreased in 69 percent of shallow, deep, and Winter Canyon wells, with an average change of -0.87 feet. Increases in groundwater elevations were observed in eleven shallow wells and in seven deep wells.

8.2 Surface Water Quality

Total coliform concentrations were detected at 2,400 MPN/100 mL in one sample collected in the Near Shore and above 2,400 MPN/100 mL in all six samples collected in Malibu Lagoon and Creek. Surface water samples showed an overall decrease of total coliform compared to the third quarter of 2020, with an average decrease of 384 MPN/100 mL.

Fecal coliform concentrations were not detected in any Near Shore samples, compared to the average of 11 MPN/100 mL across the Near Shore surface water samples observed in the third quarter of 2020. In Malibu Lagoon and Creek locations, all six samples had detected concentrations of fecal coliform, averaging 162 MPN/100 mL, which represents an average decrease of 1,094 MPN/100 mL from the third quarter of 2020. The highest detected fecal coliform concentration was 580 MPN/100 mL (L-005).

Nitrate as nitrogen and nitrite as nitrogen was not detected in any surface water samples. Organic nitrogen averaged 0.10 mg/L in Near Shore samples and 0.88 mg/L in Malibu Lagoon and Creek samples. When compared to the third quarter of 2020, organic nitrogen concentrations had an average decrease of 0.07 mg/L in the Near Shore samples and an average increase of 0.31 mg/L in the Malibu Lagoon and Creek samples.

Phosphorous concentrations increased with an average concentration of 0.31 mg/L compared to the average concentration of 0.22 mg/L observed in the third quarter of 2020.

8.3 Groundwater Quality

When comparing analytical results from the third quarter of 2020 to the fourth quarter of 2020, note that seven groundwater monitoring wells were sampled during the fourth quarter of 2020 (Task II), and sixteen wells were sampled during the third quarter of 2020 (Task II, III, IV). Of the seven wells sampled during these two periods, total coliform increased in three monitoring wells and decreased in four monitoring wells, with an average decrease of 117 MPN/100 mL compared to the third quarter of 2020. Fecal coliform increased in one well, decreased in one well, remained the same concentration in one well, and remained below the RDL in four wells, with an average increase of 1.6 MPN/100 mL compared to the third quarter of 2020.

Nitrate as nitrogen was detected in four groundwater monitoring wells. When compared to the third quarter of 2020, nitrate concentrations increased in two wells, decreased in four wells, and remained the same in one well.

When compared to the third quarter of 2020, average TDS concentrations in groundwater samples decreased from an average of 1,939 mg/L to 1,306 mg/L in the fourth quarter of 2020.

9 Limitations

This report has been prepared for and is intended for the exclusive use of the City of Malibu. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of site usage information, and the results of a limited subsurface sampling and chemical testing program. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations intermediate to the locations sampled. Furthermore, conditions may change at any location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are like those sampled.

10 References

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Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	10/22/2020	11.47	5.15	6.32
C-1	11/16/2020	11.47	5.32	6.15
C-1	12/18/2020	11.47	6.48	4.99
C-2	10/22/2020	11.19	4.90	6.29
C-2	11/16/2020	11.19	5.21	5.98
C-2	12/18/2020	11.19	6.35	4.84
CCPE	10/22/2020	12.94	5.95	6.99
CCPE	11/16/2020	12.94	6.22	6.72
CCPE	12/18/2020	12.94	7.37	5.57
CCPNE	10/22/2020	13.68	6.71	6.97
CCPNE	11/16/2020	13.68	7.00	6.68
CCPNE	12/18/2020	13.68	7.93	5.75
CCPSW	10/22/2020	13.67	6.68	6.99
CCPSW	11/16/2020	13.67	6.86	6.81
CCPSW	12/18/2020	13.67	7.44	6.23
CCW-4	10/22/2020	15.77	6.25	9.52
CCW-4	11/16/2020	15.77	6.44	9.33
CCW-4	12/18/2020	15.77	6.58	9.19
GH6-M1	10/22/2020	-	27.50	-
GH6-M1	11/16/2020	-	27.83	-
GH6-M1	12/18/2020	-	28.12	-
GH8-M3	10/22/2020	-	26.96	-
GH8-M3	11/16/2020	-	27.26	-
GH8-M3	12/18/2020	-	27.50	-
GH9-M4	10/22/2020	-	Buried	-
GH9-M4	11/16/2020	-	Buried	-
GH9-M4	12/18/2020	-	Buried	-
M6-1	10/22/2020	-	7.20	-
M6-1	11/16/2020	-	7.15	-
M6-1	12/18/2020	-	6.45	-
M6-2	10/22/2020	-	5.70	-
M6-2	11/16/2020	-	5.80	-
M6-2	12/18/2020	-	5.80	-
M7-1	10/22/2020	-	8.28	-
M7-1	11/16/2020	-	8.36	-
M7-1	12/18/2020	-	8.25	-
M7-2	10/22/2020	-	7.68	-
M7-2	11/16/2020	-	7.85	-
M7-2	12/18/2020	-	7.98	-
MBCMW-5	10/22/2020	19.40	17.91	1.49
MBCMW-5	11/16/2020	19.40	18.11	1.29
MBCMW-5	12/18/2020	19.40	18.18	1.22
MBCMW-7	10/22/2020	16.64	11.84	4.80
MBCMW-7	11/16/2020	16.64	11.55	5.09
MBCMW-7	12/18/2020	16.64	10.95	5.69
MBCMW-8	10/22/2020	16.53	8.62	7.91
MBCMW-8	11/16/2020	16.53	8.76	7.77
MBCMW-8	12/18/2020	16.53	8.99	7.54
MBCMW-9	10/22/2020	17.71	8.33	9.38
MBCMW-9	11/16/2020	17.71	8.34	9.37
MBCMW-9	12/18/2020	17.71	8.40	9.31

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	10/22/2020	17.74	9.23	8.51
MBCMW-10	11/16/2020	17.74	9.03	8.71
MBCMW-10	12/18/2020	17.74	8.43	9.31
MCWP-MW04S	10/22/2020	15.29	7.12	8.17
MCWP-MW04S	11/16/2020	15.29	7.26	8.03
MCWP-MW04S	12/18/2020	15.29	7.44	7.85
MCWP-MW07S	10/22/2020	13.72	5.81	7.91
MCWP-MW07S	11/16/2020	13.72	6.10	7.62
MCWP-MW07S	12/18/2020	13.72	5.99	7.73
MCWP-MW08	10/22/2020	12.21	7.90	4.31
MCWP-MW08	11/16/2020	12.21	7.95	4.26
MCWP-MW08	12/18/2020	12.21	8.04	4.17
MCWP-MW10	10/22/2020	11.11	5.99	5.12
MCWP-MW10	11/16/2020	11.11	6.23	4.88
MCWP-MW10	12/18/2020	11.11	9.48	1.63
P-4	10/22/2020	12.16	5.28	6.88
P-4	11/16/2020	12.16	5.51	6.65
P-4	12/18/2020	12.16	6.65	5.51
P-9	10/22/2020	12.17	5.28	6.89
P-9	11/16/2020	12.17	5.23	6.94
P-9	12/18/2020	12.17	6.87	5.30
SMBRP-2	10/22/2020	13.13	6.15	6.98
SMBRP-2	11/16/2020	13.13	6.61	6.52
SMBRP-2	12/18/2020	13.13	8.38	4.75
SMBRP-6	10/22/2020	26.88	18.51	8.37
SMBRP-6	11/16/2020	26.88	18.03	8.85
SMBRP-6	12/18/2020	26.88	14.70	12.18
SMBRP-7B	10/22/2020	18.99	9.86	9.13
SMBRP-7B	11/16/2020	18.99	10.90	8.09
SMBRP-7B	12/18/2020	18.99	10.80	8.19
SMBRP-8 (EC1-RC-MW01)	10/22/2020	48.69	26.60	22.09
SMBRP-8 (EC1-RC-MW01)	11/16/2020	48.69	26.95	21.74
SMBRP-8 (EC1-RC-MW01)	12/18/2020	48.69	27.29	21.40
SMBRP-9	10/22/2020	50.32	35.98	14.34
SMBRP-9	11/16/2020	50.32	36.27	14.05
SMBRP-9	12/18/2020	50.32	Parked Over	NM
SMBRP-10C	10/22/2020	16.25	6.51	9.74
SMBRP-10C	11/16/2020	16.25	6.55	9.70
SMBRP-10C	12/18/2020	16.25	6.87	9.38
SMBRP-12	10/22/2020	12.62	6.90	5.72
SMBRP-12	11/16/2020	12.62	7.35	5.27
SMBRP-12	12/18/2020	12.62	7.35	5.27
SMBRP-13	10/22/2020	13.58	8.17	5.41
SMBRP-13	11/16/2020	13.58	7.99	5.59
SMBRP-13	12/18/2020	13.58	8.01	5.57
SMBRP-15B	10/22/2020	16.77	Dry	-
SMBRP-15B	11/16/2020	16.77	Dry	-
SMBRP-15B	12/18/2020	16.77	Dry	-
SMBRP-16	10/22/2020	14.50	4.73	9.77
SMBRP-16	11/16/2020	14.50	4.88	9.62
SMBRP-16	12/18/2020	14.50	5.10	9.40

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	10/22/2020	17.90	10.86	7.04
MCWP-MW01	11/16/2020	17.90	10.21	7.69
MCWP-MW01	12/18/2020	17.90	9.90	8.00
MCWP-MW02	10/22/2020	18.06	11.12	6.94
MCWP-MW02	11/16/2020	18.06	10.73	7.33
MCWP-MW02	12/18/2020	18.06	11.20	6.86
MCWP-MW03	10/22/2020	15.31	8.28	7.03
MCWP-MW03	11/16/2020	15.31	7.30	8.01
MCWP-MW03	12/18/2020	15.31	7.20	8.11
MCWP-MW04D	10/22/2020	15.43	10.00	5.43
MCWP-MW04D	11/16/2020	15.43	9.35	6.08
MCWP-MW04D	12/18/2020	15.43	9.08	6.35
MCWP-MW05	10/22/2020	13.92	8.38	5.54
MCWP-MW05	11/16/2020	13.92	7.96	5.96
MCWP-MW05	12/18/2020	13.92	7.50	6.42
MCWP-MW06	10/22/2020	16.05	10.47	5.58
MCWP-MW06	11/16/2020	16.05	10.20	5.85
MCWP-MW06	12/18/2020	16.05	9.65	6.40
MCWP-MW07D	10/22/2020	13.21	8.17	5.04
MCWP-MW07D	11/16/2020	13.21	7.07	6.14
MCWP-MW07D	12/18/2020	13.21	7.09	6.12
MCWP-MW09	10/22/2020	16.30	6.19	10.11
MCWP-MW09	11/16/2020	16.30	5.89	10.41
MCWP-MW09	12/18/2020	16.30	5.54	10.76

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	10/22/2020	104.55	54.30	50.25
LAMW-5S	11/16/2020	104.55	55.10	49.45
LAMW-5S	12/18/2020	104.55	56.12	48.43
SMBRP-11	10/22/2020	18.35	8.42	9.93
SMBRP-11	11/16/2020	18.35	8.70	9.65
SMBRP-11	12/18/2020	18.35	8.58	9.77

Notes:

Elevations measured in feet above mean sea level

Two shallow wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

-: No data available

TOC: Top of well casing

ft bTOC: Feet below top of well casing

NM: Depth to water was not measured; groundwater monitoring well was not accessible

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis [1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11* [2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Biological Oxygen Demand (BOD)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Turbidity (includes color and odor)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Total Suspended Solids	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Residual Chlorine	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Total Organic Carbon	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Oil and Grease	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Nitrate and Nitrite as Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Organic Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Total Nitrogen (includes TKN)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-

Surface Water	Long-Term (Task II)									
	Near Shore Ocean				Malibu Lagoon and Creek					
Laboratory Analysis (quarterly)	*N-001*	*N-002*	*N-003*	*N-004*	*L-001*	*L-002*	*L-003*	*L-004*	*L-005*	*L-006*
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:

Task II: Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area
Task III: Salt and Nutrient Management Plan (SNMP) Monitoring Program
Task IV: Memorandum of Understanding (MOU) Compliance Monitoring

[1]: Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of Long-Term Groundwater Monitoring samples collected for a given quarter may be reduced from nine (9) to seven (7) groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds, per page 12 and 13 of the Monitoring and Reporting Program (MRP) No. CI 10042

[2]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

✓: Laboratory analysis completed

- : Sampling & analysis not required

Table 3
Surface Water Analytical Results

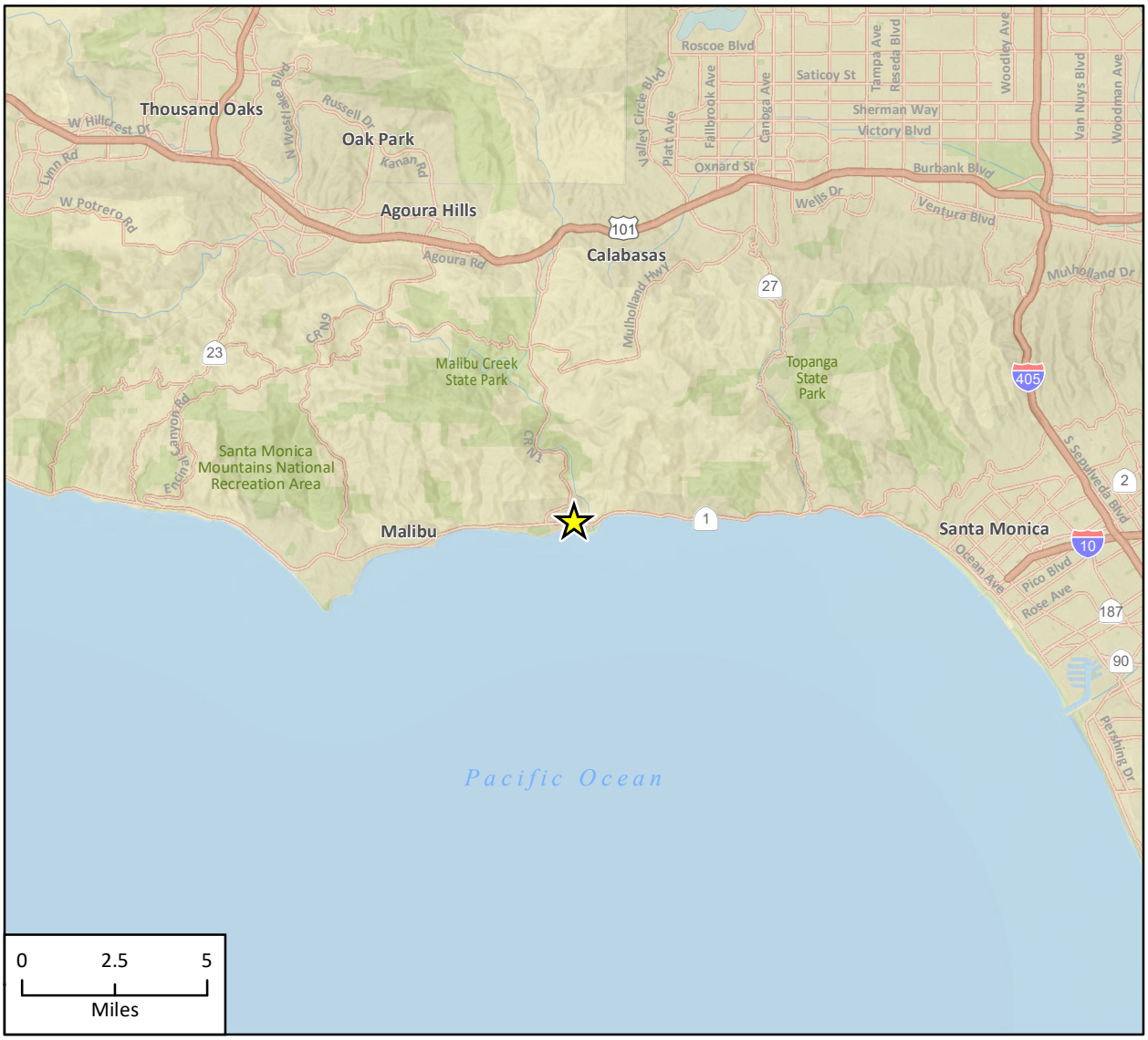
Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100 mL)		Inorganic Analysis (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	11/18/2020	= **160**	< 1.0	< 0.10	< 5.0	= **0.082**	< 0.10	= **0.082 J**	= **0.082**	= **1.0**
Near Shore	Ankle Depth	N-002	11/18/2020	= **1,600**	< 1.0	< 0.10	< 5.0	-	< 0.10	< 0.40	**-**	= **0.91**
Near Shore	Ankle Depth	N-003	11/18/2020	= **2,400**	< 1.0	< 0.10	< 5.0	= **0.15**	< 0.10	= **0.15 J**	= **0.15**	= **0.35**
Near Shore	Ankle Depth	N-004	11/18/2020	= **1,600**	< 1.0	< 0.10	< 5.0	= **0.078**	< 0.10	= **0.078 J**	= **0.078**	= **0.077**
Malibu Lagoon and Creek	1 foot BSW	L-001	11/18/2020	> **2,400**	= **130**	< 0.10	< 5.0	= **0.52**	< 0.10	= **0.52**	= **0.52**	= **0.13**
Malibu Lagoon and Creek	1 foot BSW	L-002	11/18/2020	> **2,400**	= **54**	< 0.10	< 5.0	= **0.68**	< 0.10	= **0.68**	= **0.68**	= **0.12**
Malibu Lagoon and Creek	1 foot BSW	L-003	11/18/2020	> **2,400**	= **36**	< 0.10	< 5.0	= **1.3**	< 0.10	= **1.3**	= **1.3**	= **0.16**
Malibu Lagoon and Creek	1 foot BSW	L-004	11/18/2020	> **2,400**	= **80**	< 0.10	< 5.0	= **0.92**	< 0.10	= **0.92**	= **0.92**	= **0.17**
Malibu Lagoon and Creek	1 foot BSW	L-005	11/18/2020	> **2,400**	= **580**	< 0.10	< 5.0	= **0.75**	< 0.10	= **0.75**	= **0.75**	= **0.095**
Malibu Lagoon and Creek	1 foot BSW	L-006	11/18/2020	> **2,400**	= **91**	< 0.10	< 5.0	= **1.1**	< 0.10	= **1.1**	= **1.1**	= **0.13**

Table 4
Groundwater Analytical Results

Well ID	Well Depth (feet bgs)	Sample Date	Coliform Bacteria (MPN/100 mL)		Inorganic Analyses (mg/L)										
			Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous	Boron	Sulfate	Total Dissolved Solids	Chloride
SMBRP-9	45	11/18/2020	= **310**	< 1.0	= **9.6**	< 0.10	= **0.52**	= **0.022 J**	= **0.54**	= **10**	= **0.16**	= **0.58**	= **220**	= **1,300**	= **160**
SMBRP-12	25	11/17/2020	= **150**	= **13**	< 0.10	< 1.0	= **0.60**	= **6.8**	= **7.4**	= **7.4**	= **1.3**	= **0.86**	= **460**	= **1,700**	= **1,000**
MCWP-MW04S	20	11/17/2020	> **2,400**	< 1.0	= **1.2**	< 1.0	= **1.3**	< 0.10	= **1.3**	= **2.5**	= **0.41**	= **1.8**	= **2,600**	= **240**	= **540**
MCWP-MW04D	145	11/18/2020	< 1.0	< 1.0	= **1.4**	< 0.10	= **0.14**	< 0.10	= **0.14 J**	= **1.5**	= **0.088**	= **0.79**	= **530**	= **1,500**	= **220**
MCWP-MW07S	20	11/17/2020	= **18**	= **4.1**	= **3.6**	< 0.10	= **0.24**	= **0.17**	= **0.41**	= **4.0**	= **0.24**	= **0.37**	= **240**	= **1,200**	= **200**
MCWP-MW07D	134	11/17/2020	= **37**	= **1.0**	< 0.10	< 0.10	= **0.28**	= **0.32**	= **0.60**	= **0.60**	= **0.11**	= **0.49**	= **250**	= **1,200**	= **290**
MCWP-MW09	89	11/17/2020	< 1.0	< 1.0	< 0.10	< 1.0	= **0.30**	= **2.5**	= **2.8**	= **2.8**	= **0.12**	= **0.83**	= **600**	= **2,000**	= **790**

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL

Figures



Project Location

N

Vicinity Map

Figure 1

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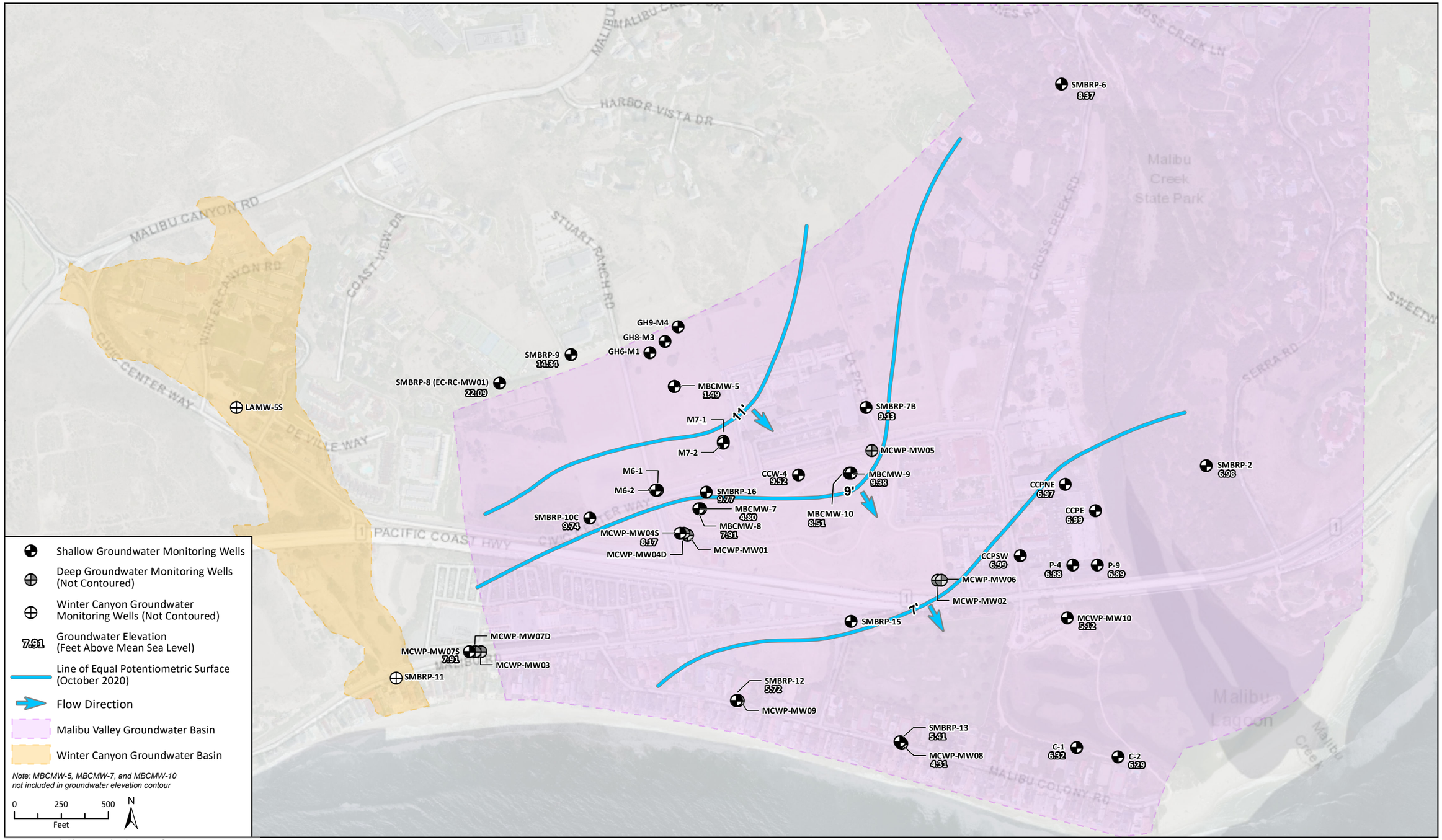
Site Map - Monitoring Network

Figure 2

Rincon Consultants Inc.



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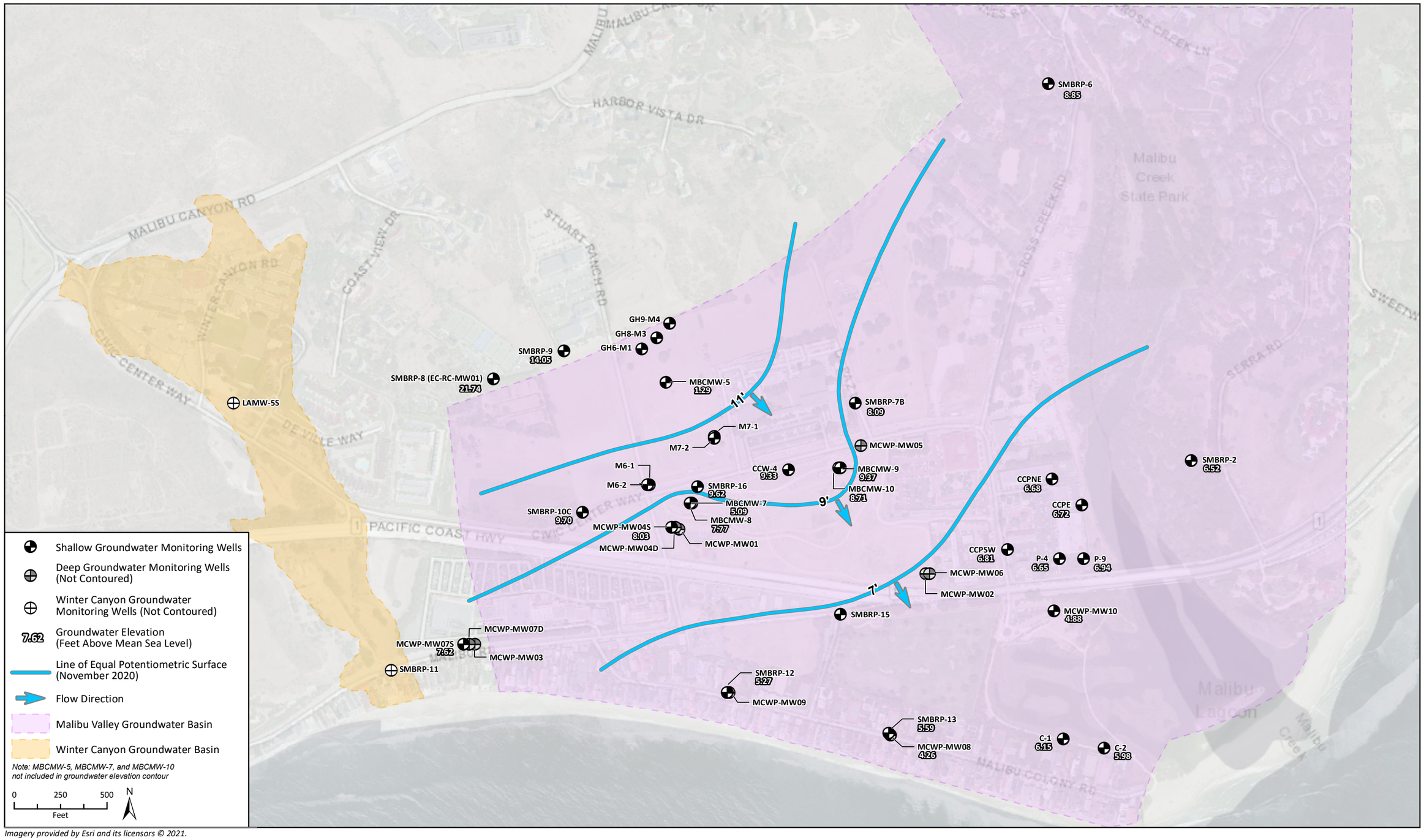
Shallow Groundwater Elevation - October 2020

Figure 3



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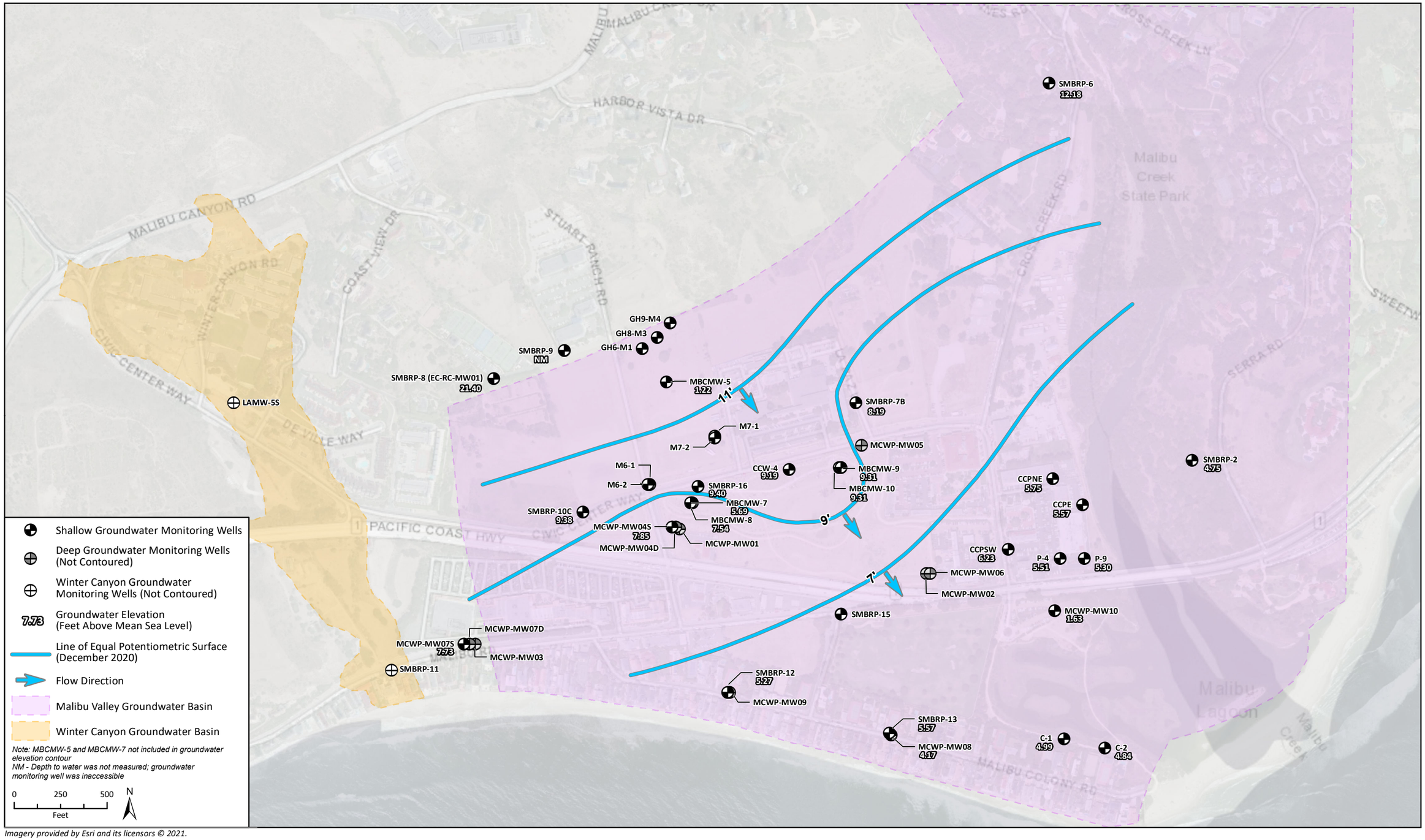
Shallow Groundwater Elevation - November 2020

Figure 4



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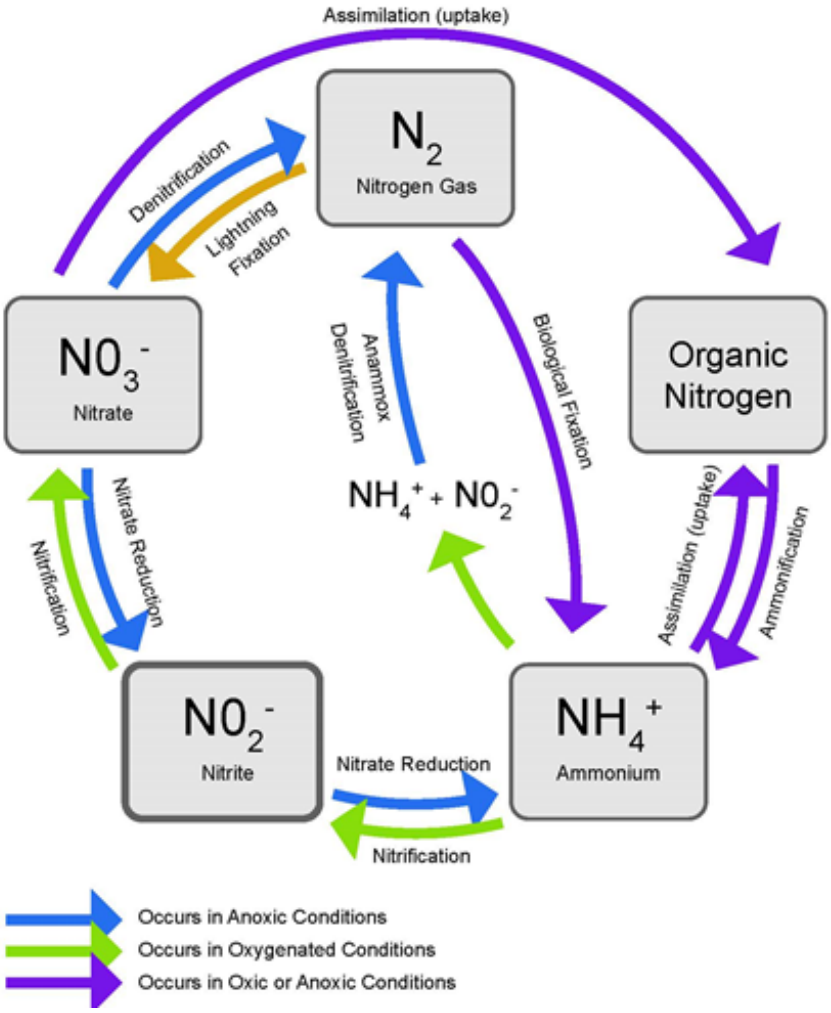
Shallow Groundwater Elevation - December 2020

Figure 5



The Nitrogen Cycle Figure 6

Appendix A

Groundwater and Surface Water Field Sheets

Depth to Groundwater Measurements

-Job No:	20-09665	**Event:**	October Monthly
Project:	Malibu CCWTF	**Date:**	October 22, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50		N/A	5.15	11:42	
C-2	14.20		2	4.9	11:43	
CCPE	52.70		2	5.95	12:29	
CCPNE	24.10		2	6.71	12:20	
CCPSW	19.90		2	6.68	12:38	
CCW-4	12.30		1	6.25	10:47	
GH6-M1	35.20		2	27.5	12:57	
GH8-M3	40.21		2	26.96	13:00	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43		4	54.3	13:13	
M6-1	45.30		2	7.2	13:03	
M6-2	19.40		2	5.7	13:04	
M7-1	39.35		2	8.28	12:49	
M7-2	19.60		2	7.68	12:50	
MBCMW-5	19.40		N/A	17.91	12:54	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	11.84	10:42	
MBCMW-8	11.95		2	8.62	10:44	
MBCMW-9	9.25		2	8.33	10:55	
MBCMW-10	51.75		2	9.23	10:56	
MCWP-MW01	152.88		6	10.86	10:12	
MCWP-MW02	148.20		6	11.12	12:43	
MCWP-MW03	136.65		6	8.28	10:00	
MCWP-MW04S	20.45		4	7.12	10:18	
MCWP-MW04D	149.20		4	10	10:16	
MCWP-MW05	154.40		4	8.38	10:50	
MCWP-MW06	138.15		2	10.47	12:41	
MCWP-MW07S	17.22		2	5.81	11:06	
MCWP-MW07D	129.60		2	8.17	10:01	
MCWP-MW08	79.38		2	7.9	11:21	
MCWP-MW09	89.60		2	6.19	11:14	
MCWP-MW10	22.23		2	5.99	11:40	
P-4	14.57		4	5.28	12:30	
P-9	13.90		4	5.28	12:28	
SMBRP-2	24.88		2	6.15	11:53	
SMBRP-6	23.45		2	18.51	12:15	
SMBRP-7B	25.13		2	9.86	11:00	
SMBRP-8 (EC-RC-MW01)	40.46		4	26.6	10:30	
SMBRP-9	45.40		2	35.98	10:25	
SMBRP-10C	25.00		2	6.51	10:34	
SMBRP-12	24.88		2	6.9	11:13	
SMBRP-13	19.48		2	8.17	11:19	
SMBRP-16	25.00		2	4.73	10:38	
SMBRP-11	20.38		2	8.42	10:07	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	November Monthly
Project:	Malibu CCWTF	**Date:**	November 16, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter & Peter Doran

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50	14.5	N/A	5.32	12:00	
C-2	14.20	14.5	2	5.21	12:01	
CCPE	52.70	52	2	6.22	10:35	
CCPNE	24.10		2	7	10:38	
CCPSW	19.90		2	6.86	10:44	
CCW-4	12.30		1	6.44	09:30	
GH6-M1	35.20	35	2	27.83	10:48	
GH8-M3	40.21	40	2	27.26	10:51	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43	74	4	55.1	00:24	
M6-1	45.30	45	2	7.15	10:58	
M6-2	19.40	20	2	5.8	10:59	
M7-1	39.35	40	2	8.36	10:40	
M7-2	19.60	25	2	7.85	10:41	
MBCMW-5	19.40	19.4	N/A	18.11	10:45	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15	52.5	2	11.55	10:30	
MBCMW-8	11.95	10	2	8.76	10:31	
MBCMW-9	9.25	9	2	8.34	11:39	
MBCMW-10	51.75	53	2	9.03	11:40	
MCWP-MW01	152.88	148	6	10.21	10:00	
MCWP-MW02	148.20	145	6	10.73	10:50	
MCWP-MW03	136.65	134	6	7.3	09:38	
MCWP-MW04S	20.45	20	4	7.26	09:57	
MCWP-MW04D	149.20	145	4	9.35	09:51	
MCWP-MW05	154.40	150	4	7.96	09:35	
MCWP-MW06	138.15	137	2	10.2	10:52	
MCWP-MW07S	17.22	20	2	6.1	09:31	
MCWP-MW07D	129.60	134	2	7.07	09:35	
MCWP-MW08	79.38	77	2	7.95	11:20	
MCWP-MW09	89.60	89	2	5.89	11:14	
MCWP-MW10	22.23	22	2	6.23	00:06	
P-4	14.57	12.5	4	5.51	10:27	
P-9	13.90	14.3	4	5.23	10:29	
SMBRP-2	24.88	25	2	6.61	10:20	
SMBRP-6	23.45	25	2	18.03	10:10	
SMBRP-7B	25.13	25	2	10.9	09:50	
SMBRP-8 (EC-RC-MW01)	40.46	60	4	26.95	10:17	
SMBRP-9	45.40	45	2	36.27	10:13	
SMBRP-10C	25.00	25	2	6.55	10:22	
SMBRP-12	24.88	25	2	7.35	11:13	
SMBRP-13	19.48	20	2	7.99	11:21	
SMBRP-16	25.00	25	2	4.88	10:29	
SMBRP-11	20.38	20	2	8.7	09:44	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	December Monthly
Project:	Malibu CCWTF	**Date:**	December 18, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50	14.5	N/A	6.48	11:04	Missing bolts
C-2	14.20	14.5	2	6.35	11:07	Missing bolts
CCPE	52.70	52	2	7.37	11:49	Lid does not sit evenly on well box due to repaving of the road.
CCPNE	24.10		2	7.93	11:44	
CCPSW	19.90		2	7.44	12:06	Missing bolts
CCW-4	12.30		1	6.58	13:05	
GH6-M1	35.20	35	2	28.12	13:30	
GH8-M3	40.21	40	2	27.5	13:33	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43	74	4	56.12	13:53	
M6-1	45.30	45	2	6.45	13:38	
M6-2	19.40	20	2	5.8	13:39	
M7-1	39.35	40	2	8.25	13:24	
M7-2	19.60	25	2	7.98	13:24	
MBCMW-5	19.40	19.4	N/A	18.18	13:28	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15	52.5	2	10.95	12:58	Missing bolts
MBCMW-8	11.95	10	2	8.99	12:59	Missing bolts
MBCMW-9	9.25	9	2	8.4	13:10	
MBCMW-10	51.75	53	2	8.43	13:11	
MCWP-MW01	152.88	148	6	9.9	12:25	
MCWP-MW02	148.20	145	6	11.2	12:15	
MCWP-MW03	136.65	134	6	7.2	10:17	Missing bolts
MCWP-MW04S	20.45	20	4	7.44	00:20	
MCWP-MW04D	149.20	145	4	9.08	12:21	
MCWP-MW05	154.40	150	4	7.5	13:09	
MCWP-MW06	138.15	137	2	9.65	12:14	
MCWP-MW07S	17.22	20	2	5.99	10:24	Missing bolt
MCWP-MW07D	129.60	134	2	7.09	10:21	Missing bolts
MCWP-MW08	79.38	77	2	8.04	10:45	
MCWP-MW09	89.60	89	2	5.54	10:39	Missing bolt
MCWP-MW10	22.23	22	2	9.48	10:55	
P-4	14.57	12.5	4	6.65	11:59	Buried under bark in parking lot planter.
P-9	13.90	14.3	4	6.87	11:57	Buried under bark in parking lot planter.
SMBRP-2	24.88	22	2	8.38	11:29	
SMBRP-6	23.45	25	2	14.7	11:37	
SMBRP-7B	25.13	25	2	10.8	13:19	
SMBRP-8 (EC-RC-MW01)	40.46	60	4	27.29	12:37	
SMBRP-9	45.40	45	2	N/A	13:44	Parked over
SMBRP-10C	25.00	25	2	6.87	12:46	Active construction, Well lid removed. Crews indicated that the well will be preserved in a sidewalk.
SMBRP-12	24.88	25	2	7.35	10:36	
SMBRP-13	19.48	20	2	8.01	10:46	
SMBRP-16	25.00	25	2	5.1	00:50	Missing bolts
SMBRP-11	20.38	20	2	8.58	10:30	Missing bolt

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 18, 2020
Observation Period **Start:** 09:20 **Stop:** 12:15	**Well Name:** MCWP-MW04D
Sampled By: Peter Doran & Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	144
Well Diameter (in)	4	Depth of Well (ft)	145.2
Initial/Static Depth to Water (ft)	9.52	Length of Water Column (ft)	135.68
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.19	Three Casing Volumes (gal)	264.58
Purge Time Start	09:30	Purge Time Stop	11:55
Total Purge Time (min)	144	Purge Rate (gpm)	1.84
Purge Volume (gal)	265	Depth to Water (ft) at Sampling	9.52

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (88.5 gal)	Volume 3 (176.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	19.6	19.5	19.5	19.7		19.8
pH	7.07	7.03	7.05	6.99		7
Conductivity (µs)	1,871	1,988	2,003	2,042		2,022
Dissolved Oxygen (mg/L)	3.31	3.33	3.61	2.02		1.89
Dissolved Oxygen (%)	36.3	36.4	39.6	22.4		20.8
TDS (ppm)	1,357	1,446	1,456	1,463		1,456
Turbidity (NTU)	6.5	2.4	0.5	0.5		0.2

Depth to Water at End of Purge: 9.52	Drawdown: 0

Comments: -

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear
Comments:
Sampled Time: 12:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 9.52 + 0.2 * 0 = 9.52

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 18, 2020
Observation Period **Start:** 08:45 **Stop:** 12:00	**Well Name:** SMBRP-9
Sampled By: Peter Doran & Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	43
Well Diameter (in)	2	Depth of Well (ft)	44.83
Initial/Static Depth to Water (ft)	36.32	Length of Water Column (ft)	8.51
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.36	Three Casing Volumes (gal)	4.08
Purge Time Start	09:05	Purge Time Stop	09:13
Total Purge Time (min)	7	Purge Rate (gpm)	0.64
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	36.32

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (1.5 gal)	Volume 3 (3 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.4	21.5	22	21.8		22.7
pH	7.05	7.02	7.03	7.01		7.06
Conductivity (µs)	2,100	2,086	2,092	2,103		2,128
Dissolved Oxygen (mg/L)	4.34	3.85	2.37	3.67		5.76
Dissolved Oxygen (%)	48.5	43.9	27.3	42.1		66.9
TDS (ppm)	1,496	1,453	1,442	1,456		1,450
Turbidity (NTU)	44.2	17.1	11.6	15.7		9.28

Depth to Water at End of Purge: 42.67	Drawdown: 6.35

Comments: -

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, clear
Comments:
Sampled Time: 11:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 36.32 + 0.2 * 6.35 = 37.59

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 11:15 **Stop:** 00:20	**Well Name:** MCWP-MW09
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	88
Well Diameter (in)	2	Depth of Well (ft)	89.12
Initial/Static Depth to Water (ft)	5.81	Length of Water Column (ft)	83.31
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.33	Three Casing Volumes (gal)	39.99
Purge Time Start	11:28	Purge Time Stop	12:10
Total Purge Time (min)	42	Purge Rate (gpm)	0.95
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	5.83

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (13.5 gal)	Volume 3 (27 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.8	21.4	21.4	21.1		21
pH	7.19	7.13	7.18	7.11		7.11
Conductivity (µs)	3,840	3,821	3,780	3,801		3,918
Dissolved Oxygen (mg/L)	2.83	1.61	1.82	1.49		1.54
Dissolved Oxygen (%)	32.1	18.1	21.2	16.7		17.5
TDS (ppm)	2,659	2,669	2,638	2,671		2,757
Turbidity (NTU)	6.1	4.8	3.6	1.4		1.5

Depth to Water at End of Purge: 6.74	Drawdown: 0.93

Comments: -

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 12:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 5.81 + 0.2 * 0.93 = 6.00

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 11:25 **Stop:** 11:45	**Well Name:** MCWP-MW04S
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	19
Well Diameter (in)	4	Depth of Well (ft)	20.48
Initial/Static Depth to Water (ft)	7.25	Length of Water Column (ft)	13.23
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.60	Three Casing Volumes (gal)	25.80
Purge Time Start	11:25	Purge Time Stop	11:45
Total Purge Time (min)	20	Purge Rate (gpm)	1
Purge Volume (gal)	20	Depth to Water (ft) at Sampling	11.1

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (9 gal)	Volume 3 (17.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.6	24	23.8			21.6
pH	7	7.1	7.18			7.3
Conductivity (µs)	6,431	6,106	6,701			5,797
Dissolved Oxygen (mg/L)	3.31	4.27	3.71			7.84
Dissolved Oxygen (%)	39.9	51.7	44.9			90.9
TDS (ppm)	4,291	4,048	4,460			4,025
Turbidity (NTU)	6.1	3.9	4.7			3.7

Depth to Water at End of Purge: 20.06	Drawdown: 12.81

Comments: Well dewatered at 20 gallons. Slow Recharge (over 24 hours)

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 12:20
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.25 + 0.2 * 12.81 = 9.81

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 11:00 **Stop:** 11:45	**Well Name:** SMBRP-12
Sampled By: Michelle Carter & Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	23
Well Diameter (in)	2	Depth of Well (ft)	24.64
Initial/Static Depth to Water (ft)	7.36	Length of Water Column (ft)	17.28
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.76	Three Casing Volumes (gal)	8.29
Purge Time Start	11:07	Purge Time Stop	11:12
Total Purge Time (min)	5	Purge Rate (gpm)	1.7
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.37

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (3 gal)	Volume 3 (5.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.6	23.1	23.2	23.3		23
pH	6.84	6.85	6.86	6.86		6.93
Conductivity (µs)	4,731	5,006	5,080	5,089		4,507
Dissolved Oxygen (mg/L)	2.99	2.38	2.26	2.24		3.31
Dissolved Oxygen (%)	35.1	28.3	26.8	26.4		39.1
TDS (ppm)	3,223	3,377	3,406	3,417		3,045
Turbidity (NTU)	113	12.5	6.98	6.68		71

Depth to Water at End of Purge: 8.02	Drawdown: 0.66

Comments: -

Miscellaneous Data
Condition of Traffic Box:
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 11:25
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.36 + 0.2 * 0.66 = 7.49

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 09:30 **Stop:** 11:00	**Well Name:** MCWP-MW07S
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	16
Well Diameter (in)	2	Depth of Well (ft)	17.22
Initial/Static Depth to Water (ft)	6.08	Length of Water Column (ft)	11.14
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.78	Three Casing Volumes (gal)	5.35
Purge Time Start	09:52	Purge Time Stop	10:00
Total Purge Time (min)	7	Purge Rate (gpm)	0.71
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	7.4

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (4 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.6	20.6	20.6			21.1
pH	7.21	7.18	7.16			7.26
Conductivity (µs)	1,849	1,847	1,847			1,741
Dissolved Oxygen (mg/L)	3.96	2.86	2.72			6.1
Dissolved Oxygen (%)	44.3	31.4	30.5			67.5
TDS (ppm)	1,313	1,312	1,312			1,226
Turbidity (NTU)	9.3	8.4	7.75			5.49

Depth to Water at End of Purge: 16.87	Drawdown: 10.79

Comments: Well dewatered @ 5 gallons

Miscellaneous Data
Condition of Traffic Box: Missing Bolt
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 10:35
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.08 + 0.2 * 10.79 = 8.24

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 09:00 **Stop:** 11:00	**Well Name:** MCWP-MW07D
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	126.50
Well Diameter (in)	2	Depth of Well (ft)	128.02
Initial/Static Depth to Water (ft)	7.38	Length of Water Column (ft)	120.64
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.30	Three Casing Volumes (gal)	57.91
Purge Time Start	09:30	Purge Time Stop	10:12
Total Purge Time (min)	42	Purge Rate (gpm)	1.38
Purge Volume (gal)	58	Depth to Water (ft) at Sampling	7.38

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (19.5 gal)	Volume 3 (39 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	19.8	21.2	21.3	21.3		21.3
pH	7.3	7.29	7.27	7.27		7.28
Conductivity (µs)	1,724	1,793	1,801	1,805		1,825
Dissolved Oxygen (mg/L)	2.24	1.82	1.8	1.79		2.28
Dissolved Oxygen (%)	24.6	20.6	20.4	20.3		25.9
TDS (ppm)	1,245	1,256	1,260	1,262		1,276
Turbidity (NTU)	1.5	1.2	1.4	1.1		1

Depth to Water at End of Purge: 7.46	Drawdown: 0.080

Comments: -

Miscellaneous Data
Condition of Traffic Box: Missing Bolts
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Calm, 77°F
Comments:
Sampled Time: 10:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.38 + 0.2 * 0.080 = 7.40

Surface Water Sampling

Job No: 20-09665	**Event:** Surface Water 4th Quarter
Project: Malibu CCWTF	**Date:** November 18, 2020
Location: Malibu, CA	**Sampled By:** Jaime McClain & James Grunden

CONDITIONS

Weather: Sunny, Clear	**Wind:** Calm
Estuary Berm:	

DAILY TIDES

LOW	Time: 04:23AM	Feet: 2.53	**HIGH**	Time:10:34AM	Feet: 6.27

VISUAL OBSERVATIONS

		Sea State	**Water Clarity**	**Water Color**	**Odors**	**Floatables**	**Birds/Wildlife**
Location	**Time**						Type, # On Land # In Water
N-001	12:40 PM	Rough	Clear	Clear	None	None	Long Billed Curlew, 1, 0 Brown Pelican, 0, 1
N-002	12:55 PM	Rough	Clear	Clear	None	None	Sanderlings, 12, 0 Long Billed Curlew, 1, 0
N-003	11:05 AM	Rough	Clear	Clear	None	None	Western Gull, 200, 0 Hermans Gull, 50, 0 Brown Pelican, 5, 0
N-004	11:50 AM	Rough	Clear	Clear	None	None	Killdeer, 1, 0 Western Gull, 0, 1
L-001	09:25 AM	Calm	Cloudy	Brown	None	None	American Coot, 0, 8
L-002	10:05 AM	Calm	Cloudy	Brown	None	Garbage	American Coot, 0, 29
L-003	09:43 AM	Calm	Cloudy	Gray	None	Garbage	American Coot, 0, 75
L-004	10:20	Calm	Cloudy	Brown	None	Garbage	Western Gull, 0, 5 American Coot, 0, 31
L-005	11:20	Calm	Cloudy	Brown	None	None	Western Gull, 35, 53 American Coot, 0, 45 Brown Pelican, 0, 4 Double Crested Cormorant, 0, 3
L-006	10:36	Calm	Cloudy	Brown	None	Sheen	Double Crested Cormorant, 0, 2 Bufflehead, 0, 5 Clarks Grebes, 0, 5 American Coot, 0, 13

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

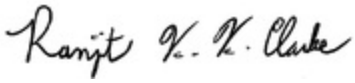
Lab Job Number:	436495
Report Level:	II
Report Date:	12/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436495
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/17/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-12	436495-001	11/17/20 11:25	Water
MCWP-MW04S	436495-002	11/17/20 12:20	Water
MCWP-MW07S	436495-003	11/17/20 10:35	Water
MCWP-MW07D	436495-004	11/17/20 10:30	Water
MCWP-MW09	436495-005	11/17/20 12:15	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 436495	Standard: X 4 Day: 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Michelle Carter + Peter Doran

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~SMBRP-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC
SMBRP-12	11/17/20	1125	W			X	X	X	X	X	X	X	X			
MCWP-MW04S	11/17/20	1220	W			X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC
MCWP-MW07S	11/17/20	1035	W			X	X	X	X	X	X	X	X			
MCWP-MW07D	11/17/20	1030	W			X	X	X	X	X	X	X	X			
MCWP-MW09	11/17/20	1215	W			X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS, INC.	11/17/20 1330
[1] Received By:		JAIPO A	EA	11/17/2020 1330
[2] Relinquished By:		JAIPO A	EA	11/17/2020 1502
[2] Received By:		Elizabeth Ramirez	Enthalpy	11/17/2020 15:02
[3] Relinquished By:				

2.3/3.7, 1.0/4.3, 1.6/3.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly/Semi-Annual

Date Received: 11/17/2020

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 3 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 4.3 #3: 3.2 #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.3 #2: 1.0 #3: 1.6 #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/17/20

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 436495

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436495
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/17/20

Sample ID: SMBRP-12 **Lab ID: 436495-001** **Collected: 11/17/20 11:25**
Matrix: Water

436495-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.86**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**1,000**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 21:18	JCP
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	256465	11/17/20 16:15	11/17/20 21:18	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 17:07	JCP
Sulfate	**460**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 21:18	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**7.4**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.60**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.22**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**18.20**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**6.8**		mg/L	0.50	0.050	5	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**1.3**		mg/L	0.040	0.020	2	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Total Organic Carbon	**2.1**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**13**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Coliform, Total	**150**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	**20**		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**22**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**210**		mg/L	1.3		2.5	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:41	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.45**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**7.4**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW04S	Lab ID: 436495-002	Collected: 11/17/20 12:20
	Matrix: Water	

436495-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**1.8**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**540**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 21:39	JCP
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	256465	11/17/20 16:15	11/17/20 21:39	JCP
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 17:28	JCP
Sulfate	**2,600**		mg/L	50	13	50	257065	11/30/20 09:00	11/30/20 20:21	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.3**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.61**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**18.00**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**12**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	**25**		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**0.83**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**240**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**0.7**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:43	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.11**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**2.5**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW07S	Lab ID: 436495-003	Collected: 11/17/20 10:35
	Matrix: Water	

436495-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.37**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 22:00	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256465	11/17/20 16:15	11/17/20 17:49	JCP
Nitrogen, Nitrate	**3.6**		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 17:49	JCP
Sulfate	**240**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 22:00	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.24**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.45**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**16.80**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.17**		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.24**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**5.0**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**4.1**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**18**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**4.5**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**22**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:45	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.13**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.0**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW07D	Lab ID: 436495-004	Collected: 11/17/20 10:30
	Matrix: Water	

436495-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.49**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**290**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 22:21	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256465	11/17/20 16:15	11/17/20 18:10	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 18:10	JCP
Sulfate	**250**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 22:21	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.60**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.60**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**16.90**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.32**		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.11**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**1.8**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**37**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**0.42**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.0**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:47	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.085**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.60**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW09	Lab ID: 436495-005	Collected: 11/17/20 12:15
	Matrix: Water	

436495-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256666	11/19/20	11/19/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.83**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**790**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 22:42	JCP
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	256465	11/17/20 16:15	11/17/20 22:42	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 18:31	JCP
Sulfate	**600**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 22:42	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.8**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.30**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.45**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**17.20**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**2.5**		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**2.4**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,000**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**0.9**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:49	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.045**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**2.8**		mg/L			1	257108	12/01/20	12/01/20	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC895597**	**Batch: 256465**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895597 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	2.4	J	mg/L	5.0	0.14	11/17/20 16:15	11/17/20 16:46
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/17/20 16:15	11/17/20 16:46
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/17/20 16:15	11/17/20 16:46
Sulfate	ND		mg/L	1.0	0.25	11/17/20 16:15	11/17/20 16:46

Type: Lab Control Sample	**Lab ID: QC895598**	**Batch: 256465**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895598 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	96.76	100.0	mg/L	97%		90-110
Nitrogen, Nitrite	9.883	9.134	mg/L	108%		90-110
Nitrogen, Nitrate	9.745	9.036	mg/L	108%		90-110
Sulfate	48.34	50.00	mg/L	97%		90-110

Type: Matrix Spike	**Lab ID: QC895599**	**Batch: 256465**
Matrix (Source ID): Water (436495-005)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895599 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	841.4	790.5	100.0	mg/L	51%	NM	80-120	10
Nitrogen, Nitrite	7.585	ND	9.134	mg/L	83%		80-120	1
Nitrogen, Nitrate	8.949	ND	9.036	mg/L	99%		80-120	1
Sulfate	614.2	596.6	50.00	mg/L	35%	NM	80-120	10

Type: Matrix Spike Duplicate	**Lab ID: QC895600**	**Batch: 256465**
Matrix (Source ID): Water (436495-005)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895600 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	841.3	790.5	100.0	mg/L	51%	NM	80-120	0	20	10
Nitrogen, Nitrite	7.521	ND	9.134	mg/L	82%		80-120	1	20	1
Nitrogen, Nitrate	9.017	ND	9.036	mg/L	100%		80-120	1	20	1
Sulfate	606.7	596.6	50.00	mg/L	20%	NM	80-120	1	20	10

Type: Blank	**Lab ID: QC895612**	**Batch: 256470**
Matrix: Water	**Method: SM2540C**	**Prep Method: METHOD**

QC895612 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/17/20	11/18/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC895613	Batch: 256470
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC895613 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	96.00	100.0	mg/L	96%		90-110

Type: Sample Duplicate	Lab ID: QC895614	Batch: 256470
Matrix (Source ID): Water (436495-005)	Method: SM2540C	Prep Method: METHOD

QC895614 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,010	2000	mg/L		0	5	2

Type: Sample Duplicate	Lab ID: QC895642	Batch: 256492
Matrix (Source ID): Drinking Water (436484-001)	Method: SM 4500-H+ B	

QC895642 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.660	7.650	SU		0	20	1
Temperature	13.20	13.10	deg C		1	20	1

Type: Sample Duplicate	Lab ID: QC895653	Batch: 256500
Matrix (Source ID): Water (436495-001)	Method: SM2130B	

QC895653 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	21.80	21.90	NTU		0	20	1

Type: Sample Duplicate	Lab ID: QC895654	Batch: 256501
Matrix (Source ID): Water (436495-001)	Method: SM 2150B	

QC895654 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate	Lab ID: QC895655	Batch: 256502
Matrix (Source ID): Water (436495-001)	Method: SM2120B	

QC895655 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	20.00	20.00	ColorUnits		0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC895723	Batch: 256532
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC895723 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/18/20 09:30	11/23/20 10:25

Type: Lab Control Sample	Lab ID: QC895724	Batch: 256532
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC895724 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	209.0	198.0	mg/L	106%		84.6-115.4

Type: Blank	Lab ID: QC895747	Batch: 256540
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895747 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	11/18/20	11/19/20

Type: Lab Control Sample	Lab ID: QC895748	Batch: 256540
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.913	2.000	mg/L	96%		85-115

Type: Matrix Spike	Lab ID: QC895749	Batch: 256540
Matrix (Source ID): Water (436485-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.432	0.5119	1.000	mg/L	92%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC895750	Batch: 256540
Matrix (Source ID): Water (436485-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.432	0.5119	1.000	mg/L	92%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC895751	Batch: 256540
Matrix (Source ID): Water (436524-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	3.868	2.845	1.000	mg/L	102%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC895752	Batch: 256540
Matrix (Source ID): Water (436524-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895752 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	3.727	2.845	1.000	mg/L	88%		75-125	4	20	1

Type: Blank	Lab ID: QC895790	Batch: 256551
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC895790 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/18/20	11/18/20

Type: Sample Duplicate	Lab ID: QC895791	Batch: 256551
Matrix (Source ID): Water (436500-001)	Method: SM2540D	Prep Method: METHOD

QC895791 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	199.3	190.7	mg/L		4	5	6.7

Type: Blank	Lab ID: QC895834	Batch: 256568
Matrix: Water	Method: SM 4500-CL-G	

QC895834 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	11/17/20 19:31	11/17/20 19:31

Type: Lab Control Sample	Lab ID: QC895835	Batch: 256568
Matrix: Water	Method: SM 4500-CL-G	

QC895835 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.066	1.000	mg/L	107%		80-120

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Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC895836**	**Batch:**	**256568**
Matrix (Source ID):	**Water (436495-005)**	**Method:**	**SM 4500-CL-G**		

QC895836 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type:	**Blank**	**Lab ID:**	**QC895858**	**Batch:**	**256578**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC895858 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/18/20	11/18/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC895859**	**Batch:**	**256578**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC895859 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.30	40.00	mg/L	88%		78-114

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC895860**	**Batch:**	**256578**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC895860 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.70	40.00	mg/L	94%		78-114	7	18

Type:	**Blank**	**Lab ID:**	**QC896064**	**Batch:**	**256666**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC896064 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/19/20	11/19/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC896065**	**Batch:**	**256666**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC896065 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	33.90	40.00	mg/L	85%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC896066	Batch: 256666
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC896066 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	34.70	40.00	mg/L	87%		78-114	2	18

Type: Blank	Lab ID: QC896165	Batch: 256698
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC896165 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/20/20	11/20/20

Type: Lab Control Sample	Lab ID: QC896166	Batch: 256698
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC896166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.565	2.500	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC896167	Batch: 256698
Matrix (Source ID): Water (436495-005)	Method: EPA 351.2	Prep Method: METHOD

QC896167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.75	2.785	12.50	mg/L	112%	*	90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC896168	Batch: 256698
Matrix (Source ID): Water (436495-005)	Method: EPA 351.2	Prep Method: METHOD

QC896168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	16.28	2.785	12.50	mg/L	108%		90-110	3	20	2.5

Type: Blank	Lab ID: QC896252	Batch: 256730
Matrix: Water	Method: SM 4500-P-B5-E	

QC896252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/20/20	11/20/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID: QC896253** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3980	0.4000	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC896254** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4760	0.1300	0.4000	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC896255** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5220	0.1300	0.4000	mg/L	98%		75-125	9	20	1

Type: Blank **Lab ID: QC896365** **Batch: 256771**
Matrix: Water **Method: SM 5310B**

QC896365 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.34	11/19/20	11/19/20

Type: Lab Control Sample **Lab ID: QC896366** **Batch: 256771**
Matrix: Water **Method: SM 5310B**

QC896366 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.391	10.00	mg/L	94%		80-120

Type: Matrix Spike **Lab ID: QC896367** **Batch: 256771**
Matrix (Source ID): Water (436495-002) **Method: SM 5310B**

QC896367 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	33.90	11.67	20.00	mg/L	111%		80-120	2

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Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC896368 **Batch:** 256771
Matrix (Source ID): Water (436495-002) **Method:** SM 5310B

QC896368 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	35.55	11.67	20.00	mg/L	119%		80-120	5	20	2

Type: Blank **Lab ID:** QC896437 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

Type: Lab Control Sample **Lab ID:** QC896438 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.603	2.500	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC896439 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	8.668	6.781	2.500	mg/L	75%	*	80-120	20

Type: Matrix Spike Duplicate **Lab ID:** QC896440 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	7.245	6.781	2.500	mg/L	19%	*	80-120	18	20	20

Type: Blank **Lab ID:** QC896863 **Batch:** 256972
Matrix: Water **Method:** SM5540C

QC896863 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/19/20 10:00	11/19/20 18:50

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC896864	**Batch:** 256972
Matrix: Water	**Method:** SM5540C	

QC896864 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9670	1.000	mg/L	97%		90-110

Type: Matrix Spike	**Lab ID:** QC896865	**Batch:** 256972
Matrix (Source ID): Water (436649-001)	**Method:** SM5540C	

QC896865 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.021	ND	1.000	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC896866	**Batch:** 256972
Matrix (Source ID): Water (436649-001)	**Method:** SM5540C	

QC896866 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.006	ND	1.000	mg/L	98%		80-120	1	20	1

Type: Blank	**Lab ID:** QC897083	**Batch:** 257065
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC897083 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.25	11/30/20 09:00	11/30/20 14:37

Type: Lab Control Sample	**Lab ID:** QC897084	**Batch:** 257065
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC897084 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	49.76	50.00	mg/L	100%		90-110

Type: Matrix Spike	**Lab ID:** QC897085	**Batch:** 257065
Matrix (Source ID): Drinking Water (436980-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC897085 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	51.02	1.097	50.00	mg/L	100%		80-120	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC897086**	**Batch:**	**257065**
Matrix (Source ID):	**Drinking Water (436980-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC897086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	51.58	1.097	50.00	mg/L	101%		80-120	1	20	1

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

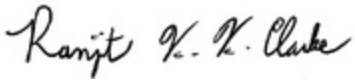
Lab Job Number: 436589
Report Level: II
Report Date: 12/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	436589
Project No:	MALIBU
Location:	Malibu - Quarterly/Semi-Annual
Date Received:	11/18/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	436589-001	11/18/20 11:50	Water
MCWP-MW04D	436589-002	11/18/20 12:00	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 436589	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KbrtaliK@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Michelle Carter + Peter Doan

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
SMBRP-9	11/18/20	1150	W			X	X	X	X	X	X	X	X			
~~SMBRP-12~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC
~~MCWP-MW04S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC
MCWP-MW04D	11/18/20	1200	W			X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC
~~MCWP-MW07D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC
~~MCWP-MW09~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants, Inc.	11/18/20 / 1402
[1] Received By:		JARO A	EA	11/18/2020 1402
[2] Relinquished By:		JARO A	EA	11/18/2020 1613
[2] Received By:		Elizabeth Ramirez	EA	11/18/2020 16:13
[3] Relinquished By:				

0.7 / 9.5

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly/ Semi-Annual

Date Received: 11/18/2020

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/18/2020

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931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 436589

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436589
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/18/20

Sample ID: SMBRP-9 **Lab ID: 436589-001** **Collected: 11/18/20 11:50**
Matrix: Water

436589-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256816	11/23/20	11/23/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.58**		mg/L	0.050	0.0080	1	256612	11/19/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**160**		mg/L	5.0	0.14	1	256542	11/18/20 13:00	11/19/20 06:12	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256542	11/18/20 13:00	11/19/20 06:12	JCP
Nitrogen, Nitrate	**9.6**		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 06:12	JCP
Sulfate	**220**		mg/L	10	2.5	10	256542	11/18/20 13:00	11/19/20 16:00	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.54**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.52**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256598	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256749	11/21/20 12:24	11/21/20 12:24	WWC
Method: SM 4500-H+ B										
pH	**6.82**	H	SU			1	256633	11/18/20 17:35	11/18/20 17:35	SGC
Temperature	**15.00**	H	deg C	1.00		1	256633	11/18/20 17:35	11/18/20 17:35	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.022**	J	mg/L	0.10	0.010	1	256798	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**10**		mg/L	1.0	0.34	1	256772	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**310**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256599	11/18/20 18:20	11/18/20 18:20	SGC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436589

436589-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.07	1	256597	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	256712	11/20/20	11/21/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**110**		mg/L	1.0		2	256670	11/19/20	11/19/20	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256565	11/18/20 17:35	11/23/20 12:47	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.062**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**10**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436589

Sample ID: MCWP-MW04D	Lab ID: 436589-002	Collected: 11/18/20 12:00
	Matrix: Water	

436589-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256816	11/23/20	11/23/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.79**		mg/L	0.050	0.0080	1	256612	11/19/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**220**		mg/L	50	1.4	10	256542	11/18/20 13:00	11/19/20 20:53	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256542	11/18/20 13:00	11/19/20 06:33	JCP
Nitrogen, Nitrate	**1.4**		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 06:33	JCP
Sulfate	**530**		mg/L	10	2.5	10	256542	11/18/20 13:00	11/19/20 20:53	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.14**	J	mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.14**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256598	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256749	11/21/20 12:24	11/21/20 12:24	WWC
Method: SM 4500-H+ B										
pH	**6.72**	H	SU			1	256633	11/18/20 17:38	11/18/20 17:38	SGC
Temperature	**17.30**	H	deg C	1.00		1	256633	11/18/20 17:38	11/18/20 17:38	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.088**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**4.9**		mg/L	1.0	0.34	1	256772	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436589

436589-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256599	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM2130B										
Turbidity	**0.20**		NTU	0.10	0.07	1	256597	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	256712	11/20/20	11/21/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.5		1.1	256670	11/19/20	11/19/20	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256565	11/18/20 17:38	11/23/20 12:47	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.030**	J	mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.5**		mg/L			1	257108	12/01/20	12/01/20	SLL

< Value is less than indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC895758	**Batch:** 256542
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895758 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	2.4	J	mg/L	5.0	0.14	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/18/20 13:00	11/18/20 15:32
Sulfate	ND		mg/L	1.0	0.25	11/18/20 13:00	11/18/20 15:32

Type: Lab Control Sample	**Lab ID:** QC895759	**Batch:** 256542
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895759 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	97.74	100.0	mg/L	98%		90-110
Nitrogen, Nitrite	9.234	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	9.420	9.036	mg/L	104%		90-110
Sulfate	50.67	50.00	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC895856	**Batch:** 256542
Matrix (Source ID): Water (436592-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895856 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	16,830	17180	100.0	mg/L		E,NM	80-120	50
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120	50
Nitrogen, Nitrate	8.479	ND	9.036	mg/L	94%		80-120	1
Sulfate	2,459	2470	50.00	mg/L	-21%	NM	80-120	50

Type: Matrix Spike Duplicate	**Lab ID:** QC895857	**Batch:** 256542
Matrix (Source ID): Water (436592-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895857 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	16,690	17180	100.0	mg/L		E,NM	80-120		20	50
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120		20	50
Nitrogen, Nitrate	8.992	ND	9.036	mg/L	100%		80-120	6	20	1
Sulfate	2,452	2470	50.00	mg/L	-35%	NM	80-120	0	20	50

Type: Blank	**Lab ID:** QC895828	**Batch:** 256565
Matrix: Water	**Method:** SM5210B	**Prep Method:** METHOD

QC895828 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/18/20 15:23	11/23/20 12:47

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC895829	Batch: 256565
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC895829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	200.0	198.0	mg/L	101%		84.6-115.4

Type: Sample Duplicate	Lab ID: QC895887	Batch: 256597
Matrix (Source ID): Drinking Water (436591-016)	Method: SM2130B	

QC895887 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.5730	0.5740	NTU		0	20	1

Type: Sample Duplicate	Lab ID: QC895888	Batch: 256598
Matrix (Source ID): Drinking Water (436591-016)	Method: SM 2150B	

QC895888 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate	Lab ID: QC895889	Batch: 256599
Matrix (Source ID): Drinking Water (436591-016)	Method: SM2120B	

QC895889 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Blank	Lab ID: QC895924	Batch: 256612
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895924 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	11/19/20	11/19/20

Type: Lab Control Sample	Lab ID: QC895925	Batch: 256612
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895925 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.843	2.000	mg/L	92%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC895926	Batch: 256612
Matrix (Source ID): Water (436589-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895926 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.765	0.5812	1.000	mg/L	118%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC895927	Batch: 256612
Matrix (Source ID): Water (436589-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895927 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.780	0.5812	1.000	mg/L	120%		75-125	1	20	1

Type: Sample Duplicate	Lab ID: QC895999	Batch: 256633
Matrix (Source ID): Water (436589-002)	Method: SM 4500-H+ B	

QC895999 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.750	6.720	SU		0	20	1
Temperature	17.20	17.30	deg C		1	20	1

Type: Blank	Lab ID: QC896080	Batch: 256670
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC896080 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/19/20	11/19/20

Type: Sample Duplicate	Lab ID: QC896081	Batch: 256670
Matrix (Source ID): Water (436575-001)	Method: SM2540D	Prep Method: METHOD

QC896081 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	376.0	384.0	mg/L		2	5	20

Type: Blank	Lab ID: QC896165	Batch: 256698
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC896165 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/20/20	11/20/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC896166	Batch: 256698
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC896166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.565	2.500	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC896167	Batch: 256698
Matrix (Source ID): Water (436495-005)	Method: EPA 351.2	Prep Method: METHOD

QC896167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.75	2.785	12.50	mg/L	112%	*	90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC896168	Batch: 256698
Matrix (Source ID): Water (436495-005)	Method: EPA 351.2	Prep Method: METHOD

QC896168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	16.28	2.785	12.50	mg/L	108%		90-110	3	20	2.5

Type: Blank	Lab ID: QC896202	Batch: 256712
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC896202 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/20/20	11/21/20

Type: Lab Control Sample	Lab ID: QC896203	Batch: 256712
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC896203 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	101.0	100.0	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC896204	Batch: 256712
Matrix (Source ID): Water (436654-001)	Method: SM2540C	Prep Method: METHOD

QC896204 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	24,310	23610	mg/L		3	5	10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC896252** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/20/20	11/20/20

Type: Lab Control Sample **Lab ID: QC896253** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3980	0.4000	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC896254** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4760	0.1300	0.4000	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC896255** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5220	0.1300	0.4000	mg/L	98%		75-125	9	20	1

Type: Blank **Lab ID: QC896302** **Batch: 256749**
Matrix: Water **Method: SM 4500-CL-G**

QC896302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	11/21/20 12:24	11/21/20 12:24

Type: Lab Control Sample **Lab ID: QC896303** **Batch: 256749**
Matrix: Water **Method: SM 4500-CL-G**

QC896303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9970	1.000	mg/L	100%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate **Lab ID:** QC896304 **Batch:** 256749
Matrix (Source ID): Water (436589-001) **Method:** SM 4500-CL-G

QC896304 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank **Lab ID:** QC896369 **Batch:** 256772
Matrix: Drinking Water **Method:** SM 5310B

QC896369 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	0.30	0.091	11/19/20	11/19/20

Type: Lab Control Sample **Lab ID:** QC896370 **Batch:** 256772
Matrix: Drinking Water **Method:** SM 5310B

QC896370 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.597	10.00	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC896371 **Batch:** 256772
Matrix (Source ID): Drinking Water (436516-001) **Method:** SM 5310B

QC896371 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	19.67	1.426	20.00	mg/L	91%		80-120	2

Type: Matrix Spike Duplicate **Lab ID:** QC896372 **Batch:** 256772
Matrix (Source ID): Drinking Water (436516-001) **Method:** SM 5310B

QC896372 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	21.25	1.426	20.00	mg/L	99%		80-120	8	20	2

Type: Blank **Lab ID:** QC896437 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC896438 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.603	2.500	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC896439 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	8.668	6.781	2.500	mg/L	75%	*	80-120	20

Type: Matrix Spike Duplicate **Lab ID:** QC896440 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	7.245	6.781	2.500	mg/L	19%	*	80-120	18	20	20

Type: Blank **Lab ID:** QC896445 **Batch:** 256798
Matrix: Sea Water **Method:** SM 4500-NH3-G

QC896445 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

Type: Lab Control Sample **Lab ID:** QC896446 **Batch:** 256798
Matrix: Sea Water **Method:** SM 4500-NH3-G

QC896446 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.632	2.500	mg/L	105%		80-120

Type: Matrix Spike **Lab ID:** QC896447 **Batch:** 256798
Matrix (Source ID): Sea Water (436520-001) **Method:** SM 4500-NH3-G

QC896447 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.599	ND	2.500	mg/L	102%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	**Lab ID:** QC896448	**Batch:** 256798
Matrix (Source ID): Sea Water (436520-001)	**Method:** SM 4500-NH3-G	

QC896448 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.598	ND	2.500	mg/L	102%		80-120	0	20	1

Type: Blank	**Lab ID:** QC896488	**Batch:** 256816
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC896488 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/23/20	11/23/20

Type: Lab Control Sample	**Lab ID:** QC896489	**Batch:** 256816
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC896489 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	38.70	40.00	mg/L	97%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC896490	**Batch:** 256816
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC896490 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.70	40.00	mg/L	92%		78-114	5	18

Type: Blank	**Lab ID:** QC896863	**Batch:** 256972
Matrix: Water	**Method:** SM5540C	

QC896863 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/19/20 10:00	11/19/20 18:50

Type: Lab Control Sample	**Lab ID:** QC896864	**Batch:** 256972
Matrix: Water	**Method:** SM5540C	

QC896864 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9670	1.000	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC896865**
Matrix (Source ID):	**Water (436649-001)**	**Method:**	**SM5540C**

Batch: 256972

QC896865 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.021	ND	1.000	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC896866**
Matrix (Source ID):	**Water (436649-001)**	**Method:**	**SM5540C**

Batch: 256972

QC896866 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.006	ND	1.000	mg/L	98%		80-120	1	20	1

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

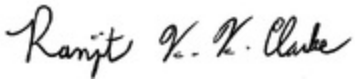
Lab Job Number: 436592
Report Level: II
Report Date: 12/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	436592
Project No:	MALIBU
Location:	Malibu - Annual
Date Received:	11/18/20

Sample ID	Lab ID	Collected	Matrix
N-001	436592-001	11/18/20 12:40	Water
N-002	436592-002	11/18/20 12:55	Water
N-003	436592-003	11/18/20 11:05	Water
N-004	436592-004	11/18/20 11:50	Water
L-001	436592-005	11/18/20 09:25	Water
L-002	436592-006	11/18/20 10:05	Water
L-003	436592-007	11/18/20 09:43	Water
L-004	436592-008	11/18/20 10:20	Water
L-005	436592-009	11/18/20 11:20	Water
L-006	436592-010	11/18/20 10:36	Water

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 436592				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid				4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water									
		SW = Swab W = Water WP = Wipe O = Other									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)	Test Instructions / Comments
N-001	11/18/20	1240 PM	Sea water			X	X	X	X	
N-002		1255 PM				X	X	X	X	
N-003		1105 AM				X	X	X	X	
N-004		1150 AM				X	X	X	X	
L-001		0925 AM				X	X	X	X	
L-002		1005 AM				X	X	X	X	
L-003		0943 AM				X	X	X	X	
L-004		1020 AM				X	X	X	X	
L-005		1120 AM				X	X	X	X	
L-006	↓	1036 AM	↓			X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime Mcclain	Rincon consultants	11/18/20 / ~~1129~~ MC
[1] Received By:		JAIME A	EA	11/18/20 1402
[2] Relinquished By:		JAIME A	EA	11/18/20 1613
[2] Received By:		Elizabeth Ramirez	EA	11/18/2020 16:13
[3] Relinquished By:				
[3] Received By:				

0.7/9.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu-Annual

Date Received: 11/18/2020

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

4 containers received for each sample.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/18/2020

ENTHALPY ANALYTICAL

Analysis Results for 436592

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436592
Project No: MALIBU
Location: Malibu - Annual
Date Received: 11/18/20

Sample ID: N-001 **Lab ID: 436592-001** **Collected: 11/18/20 12:40**
Matrix: Water

436592-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 21:14	JDB
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 00:58	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 21:14	JDB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.082**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.082**	J	mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.0**		mg/L	0.040	0.020	2	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**160**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.082**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: N-002	Lab ID: 436592-002	Collected: 11/18/20 12:55
	Matrix: Water	

436592-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 22:17	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 02:01	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 22:17	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.91**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**1,600**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	ND		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: N-003	Lab ID: 436592-003	Collected: 11/18/20 11:05
	Matrix: Water	

436592-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 22:38	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 02:22	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 22:38	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.15**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.15**	J	mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.35**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.15**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: N-004	Lab ID: 436592-004	Collected: 11/18/20 11:50
	Matrix: Water	

436592-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 22:59	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 02:43	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 22:59	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.078**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.078**	J	mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.077**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**1,600**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.078**		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: L-001	Lab ID: 436592-005	Collected: 11/18/20 09:25
	Matrix: Water	

436592-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 23:20	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 03:04	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 23:20	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.52**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.52**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**130**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.52**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: L-002	Lab ID: 436592-006	Collected: 11/18/20 10:05
	Matrix: Water	

436592-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 00:23	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 04:07	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 00:23	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.68**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.68**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**54**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.68**		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: L-003	Lab ID: 436592-007	Collected: 11/18/20 09:43
	Matrix: Water	

436592-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 00:44	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 04:28	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 00:44	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.3**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**36**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.3**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: L-004 **Lab ID: 436592-008** **Collected: 11/18/20 10:20**
Matrix: Water

436592-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 01:05	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 04:49	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 01:05	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.92**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.92**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.17**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**80**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.92**		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: L-005 **Lab ID: 436592-009** **Collected: 11/18/20 11:20**
Matrix: Water

436592-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 01:26	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 05:10	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 01:26	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.75**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.75**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.095**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**580**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.75**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: L-006	Lab ID: 436592-010	Collected: 11/18/20 10:36
	Matrix: Water	

436592-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 01:47	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 05:31	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 01:47	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.1**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**1.1**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**91**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.1**		mg/L			1	257108	12/01/20	12/01/20	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC895758	Batch: 256542
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC895758 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		11/18/20 13:00	11/18/20 15:32

Type: Lab Control Sample	Lab ID: QC895759	Batch: 256542
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC895759 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.234	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	9.420	9.036	mg/L	104%		90-110

Type: Matrix Spike	Lab ID: QC895856	Batch: 256542
Matrix (Source ID): Water (436592-001)	Method: EPA 300.0	Prep Method: METHOD

QC895856 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120	50
Nitrogen, Nitrate	8.479	ND	9.036	mg/L	94%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC895857	Batch: 256542
Matrix (Source ID): Water (436592-001)	Method: EPA 300.0	Prep Method: METHOD

QC895857 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120		20	50
Nitrogen, Nitrate	8.992	ND	9.036	mg/L	100%		80-120	6	20	1

Type: Blank	Lab ID: QC896170	Batch: 256700
Matrix: Water	Method: SM 4500-NH3-G	

QC896170 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/25/20	12/01/20

Type: Lab Control Sample	Lab ID: QC896171	Batch: 256700
Matrix: Water	Method: SM 4500-NH3-G	

QC896171 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.320	2.500	mg/L	93%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike **Lab ID: QC896172** **Batch: 256700**
Matrix (Source ID): Water (436592-007) **Method: SM 4500-NH3-G**

QC896172 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.13	1.312	12.50	mg/L	79%	*	80-120	2.5

Type: Matrix Spike Duplicate **Lab ID: QC896173** **Batch: 256700**
Matrix (Source ID): Water (436592-007) **Method: SM 4500-NH3-G**

QC896173 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	10.08	1.312	12.50	mg/L	70%	*	80-120	10	20	2.5

Type: Blank **Lab ID: QC896252** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/20/20	11/20/20

Type: Lab Control Sample **Lab ID: QC896253** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3980	0.4000	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC896254** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4760	0.1300	0.4000	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC896255** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5220	0.1300	0.4000	mg/L	98%		75-125	9	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC896437**	**Batch: 256796**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC896437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

Type: Lab Control Sample	**Lab ID: QC896438**	**Batch: 256796**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC896438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.603	2.500	mg/L	104%		80-120

Type: Matrix Spike	**Lab ID: QC896439**	**Batch: 256796**
Matrix (Source ID): Water (436495-001)	**Method: SM 4500-NH3-G**	

QC896439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	8.668	6.781	2.500	mg/L	75%	*	80-120	20

Type: Matrix Spike Duplicate	**Lab ID: QC896440**	**Batch: 256796**
Matrix (Source ID): Water (436495-001)	**Method: SM 4500-NH3-G**	

QC896440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	7.245	6.781	2.500	mg/L	19%	*	80-120	18	20	20

* Value is outside QC limits
ND Not Detected

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road

Midlothian, VA 23112

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2508**

Expiration Date: **6/30/2020**

Effective Date: **7/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road
Midlothian, VA 23112
Phone: 8047631200

Certificate No. **2508**
Expiration Date **6/30/2020**

Primary Accreditation Body

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010	001	Bulk Asbestos	EPA 600/M4-82-020	NVLAP

As of 6/25/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

State Water Resources Control Board

June 25, 2019

T. Brian Keith
America Science Team of Richmond, Inc. dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112

Dear T. Brian Keith: Certificate No. 2508

Congratulations! This notice advises that the laboratory named above has been accredited as an environmental testing laboratory pursuant to the provisions of the California Health and Safety Code (HSC) Sections 100825-100920. The analyses for which this laboratory is accredited are indicated on the enclosed "Accredited Fields of Testing" List.

The laboratory's accreditation begins on the date printed on the enclosed certificate. For renewed accreditations, this date is determined by compliance with applicable deadlines. Noncompliance with these deadlines may have resulted in lapse of accreditation.

Be advised, the laboratory may have been denied accreditation for one or more analyses for which it applied due to failure to comply with regulatory requirements for application or accreditation. It is the laboratory's responsibility to review the enclosed list and know for which methods the laboratory has been accredited. This accreditation is a final action of the state board, subject to petition under Health and Safety Code Section 116701 within 30 days. However, if you believe that a FOT has been left off of your accreditation in error, you may submit to ELAP within 30 days of this letter, an "Accreditation Inquiry Request Form" located at www.waterboards.ca.gov/elap identifying any mistakes or errors you believe occurred in your accreditation, which will begin the period in which to file a petition. ELAP will then review all timely submitted "Accreditation Inquiry Request Forms" and will make a final determination which could then petitioned to the State Water Resources Control Board. **Failure to submit a petition to the State Water Resources Control Board or an "Accreditation Inquiry Request Form" to ELAP within 30 days of this letter will prohibit you from obtaining any further review of your accreditation.**

HSC Section 100890 lists the civil penalties for environmental laboratories that perform analyses for state regulatory purposes without a valid certificate.

Continued accreditation is contingent upon compliance with HSC Sections 100825-100920 and California Code of Regulations, Title 22, Division 4, Chapter 19, Certification of Environmental Laboratories. ELAP reserves the right to take enforcement action, including issuance of civil penalties, or supension and revocation of the laboratory's ELAP certificate, for failure to comply with all applicable regulations, statutes and orders.

Thank you

Christine Sotelo, Chief
California Environmental Laboratory Accreditation Program (CA ELAP)

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate No. **3046**
Expiration Date **4/30/2021**

Field of Testing:	105 - Semi-volatile Organic Chemistry of Drinking Water		
105.230	000	Dioxins	EPA 1613 B
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B
Field of Testing:	111 - Semi-volatile Organic Chemistry of Wastewater		
111.111	000	Dioxins and Dibenzofurans	EPA 1613 B
Field of Testing:	117 - Semi-volatile Organic Chemistry of Hazardous Waste		
117.130	000	Dioxins and Dibenzofurans	EPA 8290

As of 5/15/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Enthalpy Analytical LLC

2323 Fifth Street

Berkeley, CA 94710

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2896**

Expiration Date: **1/31/2021**

Effective Date: **2/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Enthalpy Analytical LLC

2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Certificate No. **2896**
Expiration Date **1/31/2021**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.045	001	Perchlorate	EPA 314.0

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Chlorine, Total Residual	SM 4500-Cl C-2011
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.502	002	Ammonia (as N)	SM 4500-NH3 B,E-1997
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.552	001	Silica, Dissolved	SM 4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000

108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8

109.190	001	Mercury	EPA 245.1	
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater				
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
111.100	000	Base/Neutral & Acid Organics	EPA 625	
111.170	000	Organochlorine Pesticides and PCBs	EPA 608	
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste				
114.010	001	Antimony	EPA 6010 B	
114.010	002	Arsenic	EPA 6010 B	
114.010	003	Barium	EPA 6010 B	
114.010	004	Beryllium	EPA 6010 B	
114.010	005	Cadmium	EPA 6010 B	
114.010	006	Chromium	EPA 6010 B	
114.010	007	Cobalt	EPA 6010 B	
114.010	008	Copper	EPA 6010 B	
114.010	009	Lead	EPA 6010 B	
114.010	010	Molybdenum	EPA 6010 B	
114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196 A	Aqueous Only
114.106	001	Chromium (VI)	EPA 7199	Aqueous Only
114.140	001	Mercury	EPA 7470 A	Aqueous Only

114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	Interim
114.240	001	Corrosivity - pH Determination	EPA 9040 B	Interim
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	Interim

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310	Aqueous Only
117.170	000	Nitroaromatics and Nitramines	EPA 8330	Aqueous Only
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.070	001	Corrosivity - pH Determination	EPA 9040 B	Interim
120.080	001	Corrosivity - pH Determination	EPA 9045 C	

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Eurofins Calscience, LLC

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2944**

Expiration Date: **9/30/2020**

Effective Date: **10/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Eurofins Calscience, LLC

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 7148955494

Certificate No. **2944**
Expiration Date **9/30/2020**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate,Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	003	Chlorate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.100	001	Alkalinity	SM 2320 B-1997
102.121	001	Hardness	SM 2340 C-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.148	001	Calcium	SM 3500-Ca B-1997
102.174	001	Chlorine, Free	SM 4500-Cl F-2000
102.174	002	Chlorine, Total Residual	SM 4500-Cl F-2000
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.200	001	Fluoride	SM 4500-F C-2011
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.260	001	Total Organic Carbon TOC	SM 5310 B-2000

As of 10/3/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.264	001	Total Organic Carbon TOC	SM 5310 D-2000
102.265	001	Dissolved Organic Carbon (DOC)	SM 5310 D-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.020	001	Specific Conductance	EPA 120.1

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate,Ortho (as P)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus,Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus,Total	EPA 365.3
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.385	001	Color	SM 2120 B-2001
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.421	001	Hardness	SM 2340 C-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.451	001	Chloride	SM 4500-Chloride C-1997
108.464	001	Chlorine, Total Residual	SM 4500-Cl F-2000
108.464	002	Chlorine, Free	SM 4500-Cl F-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.480	001	Fluoride	SM 4500-F B,C-1997

108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.500	002	Ammonia (as N)	SM 4500-NH3 B,C-1997
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.504	002	Ammonia (as N)	SM 4500-NH3 F-1997
108.511	001	Kjeldahl Nitrogen,Total (as N)	SM 4500-Norg B- 1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.528	001	Nitrate-Nitrite (as N)	SM 4500-NO3- E-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.598	001	Organic Carbon-Total (TOC)	SM 5310 D-2000
108.605	001	Surfactants	SM 5540 C-2000
108.626	001	Phenols, Total	SM 5530 D-2010

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8

109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.020	000	Purgeable Aromatics	EPA 602
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B

114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.106	001	Chromium (VI)	EPA 7199
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B
116.040	061	Aromatic Volatiles	EPA 8021 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B

117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.170	000	Nitroaromatics and Nitramines	EPA 8330
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Fruit Growers Laboratory

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1573**

Expiration Date: **7/31/2020**

Effective Date: **8/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

July 26, 2019

Mr. Kelly Dunnahoo
Fruit Growers Laboratory
853 Corporation Street
Santa Paula, CA 93060

Dear Mr. Kelly Dunnahoo: Certificate No. 1573

This is to advise you that the laboratory named above has been granted an interim certificate pursuant to California Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100850(d).

The Fields of Testing for which this laboratory has been granted interim certification is shown in the enclosed "Fields of Testing". The Interim certificate shall remain in effect until **July 31, 2020** or until a certificate pursuant to HSC 100825(a) is issued.

Your laboratory is required to participate in the appropriate performance evaluation studies and to perform acceptably in such studies as stated in HSC 100870 and Title 22 of the California Code of Regulations Section 64809. Continued compliance with the Environmental Laboratory Accreditation Program statutes and regulations is required for maintaining the interim certification status.

Any changes in laboratory location or structural alterations, which may adversely affect the quality of analysis in the fields of testing for which the laboratory has been granted certification, require prior notification. Notification is also required for changes in ownership or laboratory director within 30 days after the change (HSC 100845(b) and (d)).

Contact our office at (916) 323-3431 or elapca@waterboards.ca.gov for questions.

Sincerely,

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Enclosure

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Fruit Growers Laboratory
Santa Paula
853 Corporation Street
Santa Paula, CA 93060
Phone: 8053922000

Certificate No. 1573
Expiration Date 7/31/2020
INTERIM

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	002	Fecal Coliform P/A	SM 9221 B,E
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.170	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate,Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0

As of 7/26/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8

103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2

104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3

105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1
105.175	004	Dibromochloromethane	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
Field of Testing: 106 - Radiochemistry of Drinking Water			
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.050	002	Radium-226	EPA 903.0
106.070	003	Strontium-90	EPA 905.0
106.080	001	Tritium	EPA 906.0
106.090	001	Uranium	EPA 908.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C

106.610	001	Radon-222	SM 7500-Rn
Field of Testing: 107 - Microbiology of Wastewater			
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus,Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate,Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.267	001	Phosphorus,Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999

108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8

109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632
Field of Testing: 112 - Radiochemistry of Wastewater			
112.010	001	Gross Alpha	EPA 900.0
112.010	002	Gross Beta	EPA 900.0
112.020	001	Total Alpha Radium	EPA 903.0
112.180	001	Tritium	EPA 906.0
112.190	001	Uranium	EPA 908.0
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	002	Arsenic	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.140	001	Mercury	EPA 7470 A	
114.221	001	Cyanide, Total	EPA 9012 A	
114.240	001	Corrosivity - pH Determination	EPA 9040 B	
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
Field of Testing: 115 - Extraction Test of Hazardous Waste				
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste				
116.080	000	Volatile Organic Compounds	EPA 8260 B	
116.080	120	Oxygenates	EPA 8260 B	
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste				
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A	Aqueous Only
117.250	000	Chlorinated Herbicides	EPA 8151 A	Aqueous Only
Field of Testing: 126 - Microbiology of Recreational Water				
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006	
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006	
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert	
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert	
126.080	001	Enterococci	Enterolert	

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649 USA

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1406**

Expiration Date: **1/31/2022**

Effective Date: **2/1/2020**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

LA Testing
Huntington Beach, CA
5431 Industrial Drive
Huntington Beach, CA 92649 USA
Phone: 7148284999

Certificate No. 1406
Expiration Date 1/31/2022

Field of Testing: 102 - Inorganic Chemistry of Drinking Water			
102.020	001	Turbidity	EPA 180.1
Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water			
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.220	000	PCBs	EPA 8082
Field of Testing: 120 - Physical Properties of Hazardous Waste			
120.070	001	Corrosivity - pH Determination	EPA 9040 B

As of 2/1/2020 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

120.080	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

North Coast Laboratories, Ltd.

5680 West End Road
Arcata, CA 95521
Phone: (707) 822-4649

Certificate No. **1247**
Expiration Date **7/31/2020**

Field of Testing: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Bacteria	SM9215 B
101.050	001	Total Coliform P/A	SM9223 B (Colilert)
101.050	002	E. coli P/A	SM9223 B (Colilert)
101.050	003	Total Coliform (Enumeration)	SM9223 B (Colilert)
101.050	004	E. coli (Enumeration)	SM9223 B (Colilert)
Field of Testing: 102 - Inorganic Chemistry of Drinking Water			
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate	EPA 300.0
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.130	001	Conductivity	SM2510B-1997
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.240	001	Phosphate, Ortho (as P)	SM4500-P E-1999
102.262	001	Total Organic Carbon TOC	SM5310C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM5310C-2000
102.270	001	Surfactants	SM5540 C-2000
Field of Testing: 103 - Toxic Chemical Elements of Drinking Water			
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

As of 8/16/2018 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2

104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Perchloroethylene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	000	Phthalates & Adiptate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507

105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM9215 B
107.020	002	Total Coliform (Enumeration)	SM9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221 C,E-2006
107.245	002	E. coli (Enumeration)	SM9223 B (Colilert)

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7

108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	002	Oil & Grease Total	EPA 1664 Rev. B
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.430	001	Conductivity	SM2510B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.465	001	Chlorine, Total Residual	SM4500-Cl G-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.540	001	Phosphate, Ortho (as P)	SM4500-P E-1999
108.541	001	Phosphorus, Total	SM4500-P E-1999
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.597	001	Organic Carbon-Total (TOC)	SM5310C-2000
108.605	001	Surfactants	SM5540 C-2000
108.660	001	Chemical Oxygen Demand	HACH8000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8

109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.446	001	Chromium (VI)	SM3500-Cr C-2009
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.030	000	Phthalate Esters	EPA 606
111.093	000	Chlorinated Herbicides	EPA 615
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.190	000	Organophosphorus Pesticides	EPA 619
111.210	000	Carbamates	EPA 632
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020

114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471A
114.241	001	Corrosivity - pH Determination	EPA 9045C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	010	BTEX and MTBE	LUFT GC/MS
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.210	000	Organochlorine Pesticides	EPA 8081A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.280	000	Carbamates	EPA 8321A

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Sierra Analytical Laboratories, Inc.

26052 Merit Circle

Laguna Hills, CA 92653

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2320**

Expiration Date: **9/30/2020**

Effective Date: **10/1/2018**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Sierra Analytical Laboratories, Inc.

26052 Merit Circle
Laguna Hills, CA 92653
Phone: 9493489389

Certificate No. 2320
Expiration Date 9/30/2020

Field of Testing: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Plate Count	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.040	001	Total Coliform P/A	SM 9222 B
101.040	002	Fecal Coliform P/A	SM 9222 D
101.040	004	E. coli P/A	SM 9222 G
101.040	005	Total Coliform (Enumeration)	SM 9222 B
101.040	006	Fecal Coliform (Enumeration)	SM 9222 D
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
Field of Testing: 102 - Inorganic Chemistry of Drinking Water			
102.201	001	Fluoride	SM 4500-F D-2011
Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water			
104.040	001	Benzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2

As of 10/1/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

104.040	037	Isopropylbenzene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2

Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.060	002	Total Coliform (Enumeration)	SM 9222 B-1997
107.080	002	Fecal Coliform (Enumeration)	SM 9222 D-1997
107.100	002	Fecal Streptococci	SM 9230 B-2007
107.110	003	Enterococci	SM 9230 C-2007
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.385	001	Color	SM 2120 B-2001
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.500	002	Ammonia (as N)	SM 4500-NH3 B,C-1997
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.572	001	Sulfate (as SO4)	SM 4500-SO4 E-1997
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.670	001	Nitrite (as N)	Hach 8507
108.672	001	Phosphate,Ortho (as P)	Hach 8048

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1
Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water			
110.040	000	Purgeable Organic Compounds	EPA 624
Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water			
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B

114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)
Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste			
116.030	001	Gasoline-range Organics	EPA 8015 B
116.040	062	BTEX	EPA 8021 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste			
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.250	000	Chlorinated Herbicides	EPA 8151 A
Field of Testing: 126 - Microbiological Methods for Ambient Water			
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.020	001	Total Coliform (Enumeration)	SM 9222 B-1997
126.030	001	Fecal Coliform (Enumeration)	SM 9221 B,E-2006
126.040	001	Fecal Coliform (Enumeration)	SM 9222 D-1997
126.070	001	Enterococci	SM 9230 C-2007

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1132**

Expiration Date: **3/31/2022**

Effective Date: **4/1/2020**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

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Certificate No. **1132**
Expiration Date **3/31/2022**

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1

102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.048	001	Perchlorate	EPA 332.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8

103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethene	EPA 524.4

104.058	008	trans-1,2-Dichloroethene	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethene	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508

105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.050	000	Organochlorine Pesticides	EPA 508.1
105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1
105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016	EPA 508.1
105.050	022	PCB-1221	EPA 508.1
105.050	023	PCB-1232	EPA 508.1
105.050	024	PCB-1242	EPA 508.1
105.050	025	PCB-1248	EPA 508.1
105.050	026	PCB-1254	EPA 508.1
105.050	027	PCB-1260	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2

105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	031	Disinfection Byproducts	EPA 551.1
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3
105.210	002	2,4-D	EPA 555
105.210	004	Dinoseb	EPA 555
105.210	005	Pentachlorophenol	EPA 555
105.210	006	Picloram	EPA 555
105.210	007	2,4,5-TP (Silvex)	EPA 555
105.210	008	Bentazon	EPA 555
105.215	001	Haloacetic Acids (HAA5)	EPA 557
105.215	002	Dalapon	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B

Field of Testing: 106 - Radionuclides in Drinking Water

106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006

107.001	003	E. coli (Enumeration)	SM 9221 C,F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18
107.017	001	Enterococci	Enterolert

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus,Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.019	001	Bromide	EPA 300.1 (1997 Rev.1.0)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.035	001	Phosphate,Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus,Total	EPA 365.1 (1993 Rev. 2.0)
108.037	001	Phosphate,Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus,Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.049	001	Phenols, Total	EPA 420.4 (1993 Rev. 2.0)
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011

108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)

109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.657	001	Mercury	EPA 1631 E (2002)

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1

110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.070	002	n-Amyl Acetate	EPA 1666
110.070	004	n-Butyl Acetate	EPA 1666
110.070	005	tert-Butyl Alcohol (TBA)	EPA 1666
110.070	006	Diethylamine	EPA 1666
110.070	007	Dimethyl Sulfoxide	EPA 1666
110.070	009	Ethyl Acetate	EPA 1666
110.070	010	n-Heptane	EPA 1666
110.070	011	n-Hexane	EPA 1666
110.070	012	Isobutyraldehyde	EPA 1666
110.070	013	Isopropyl Acetate	EPA 1666
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666
110.070	015	Isopropyl Ether (DIPE)	EPA 1666
110.070	017	2-Methoxyethanol	EPA 1666
110.070	018	Methyl Formate	EPA 1666
110.070	019	4-Methyl-2-pentanone (MIBK)	EPA 1666
110.070	021	Tetrahydrofuran	EPA 1666
110.070	022	Triethylamine	EPA 1666
110.070	023	m-Xylene	EPA 1666

110.070	024	o-Xylene	EPA 1666
110.070	025	p-Xylene	EPA 1666

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	050	Pentachloronitrobenzene (PCNB)	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1

111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.210	006	Diuron	EPA 632
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitrosodi-n-propylamine	EPA 1625 B
111.260	043	N-nitrosodiphenylamine	EPA 1625 B

Field of Testing: 112 - Radionuclides in Non-Potable Water			
112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C

114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	030	Nonhalogenated Volatiles	EPA 8015 B
116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiological Methods for Ambient Water

126.003	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert