INTEGRATED
PERFORMANCE
CONSULTANTS

October 30th, 2019

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
2019 3rd Quarter Monitoring Report — MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter.

Influent flow was artificially inflated from 08/05/2019 through 08/07/2019 due to a constantly leaking plumbing fixture at the LA County Library and Waterworks complex. The leak rate was determined to be about 35 gpm, or about 50,400 gpd extra for a full day of leakage. In reality, the leak began part way through 08/05/2019, and was identified and resolved part way through 08/07/2019, so 08/06/2019 was the only day that received the full impact of the leak, and it came in at 121,400 gallons.

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

44,500 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 30th day of October, 2019, 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 Plant Reuse	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		kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	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															
07/01/2019	Mon	59.1			48.8	0.0	0.0	48.8	0.0	0.12	0.16	0.00	67.5	99.8	7.1	1.79	1.79	1.79	0.049																			
07/02/2019	Tue	59.1	168	49	69.2	0.0	0.0	69.2	0.0	0.12	0.49	0.15	67.7	104.2	7.3	1.79	1.79	1.79	0.049																			
07/03/2019	Wed	64.0			63.1	0.0	0.0	63.1	0.0	0.12	0.17	0.00	66.1	96.8	7.5	1.79	1.79	1.79	0.049	3.0	93.9	0.9	99.5	4.2	4.2	0.02	0.68	1.01	0.33	5.24	4.9	2.9	980	162	281	0.42	0.02
07/04/2019	Thu	56.1			57.9	0.0	0.0	57.9	0.0	0.14	0.31	0.36	66.0	100.4	7.3	1.79	1.79	1.79	0.049																			
07/05/2019	Fri	69.8			58.5	0.0	0.0	58.5	0.0	0.14	0.19	0.00	66.1	97.2	7.5	1.79	1.79	1.79	0.049																			
07/06/2019	Sat	70.8			60.4	0.0	0.0	60.4	0.0	0.13	0.26	0.25	66.3	90.7	7.3	1.79	1.79	1.79	0.049																			
07/07/2019	Sun	68.6			64.1	0.0	0.0	64.1	0.0	0.12	0.22	0.15	67.5	100.9	7.5	1.79	1.79	1.79	0.049																			
07/08/2019	Mon	65.7			63.9	0.0	0.0	63.9	0.0	0.12	0.13	0.00	67.8	97.3	7.3	1.79	1.79	1.79	0.049																			
07/09/2019	Tue	65.8	282	43	64.9	0.0	0.0	64.9	0.0	0.12	0.49	0.76	67.4	96.2	7.4	1.79	1.79	1.79	0.049																			
07/10/2019	Wed	89.9			64.0	0.0	0.0	64.0	0.0	0.12	0.16	0.00	67.0	89.9	7.6	1.79	1.79	1.79	0.049	1.9	95.6	0.9	99.7	1.9	1.9	0.03	0.50	0.54	0.04	2.46							
07/11/2019	Thu	68.1			63.0	0.0	0.0	63.0	0.0	0.12	0.21	0.15	68.0	91.3	7.6	1.79	1.79	1.79	0.049																			
07/12/2019	Fri	73.5			51.5	0.0	0.0	51.5	0.0	0.13	0.16	0.00	67.8	88.8	7.5	1.79	1.79	1.79	0.049																			
07/13/2019	Sat	77.6			61.5	0.0	0.0	61.5	0.0	0.14	0.28	0.31	68.7	92.4	7.6	1.79	1.79	1.79	0.049																			
07/14/2019	Sun	76.1			DL	0.0	0.0	53.8	0.0	0.13	0.27	0.25	69.2	93.7	7.6	1.79	1.79	1.79	0.049																			
07/15/2019	Mon	70.6			67.9	0.0	0.0	67.9	0.0	0.11	0.12	0.00	69.2	97.5	7.0	1.79	1.79	1.79	0.049																			
07/16/2019	Tue	71.5	232	447	79.9	0.0	0.0	79.9	0.0	0.11	0.44	0.61	68.7	112.4	7.5	1.79	1.79	1.79	0.049																			
07/17/2019	Wed	87.7			79.5	0.0	0.0	79.5	0.0	0.11	0.23	0.20	68.3	118.8	7.7	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.6	1.1	1.0	0.05	0.09	0.48	0.39	1.56							
07/18/2019	Thu	65.9			76.8	0.0	0.0	76.8	0.0	0.11	0.28	0.31	68.5	121.9	7.6	1.79	1.79	1.79	0.049																			
07/19/2019	Fri	73.9			80.1	0.0	0.0	80.1	0.0	0.11	0.20	0.05	68.4	117.4	7.6	1.79	1.79	1.79	0.049																			
07/20/2019	Sat	74.2			80.0	0.0	0.0	80.0	0.0	0.12	0.27	0.31	69.4	122.3	7.5	1.79	1.79	1.79	0.049																			
07/21/2019	Sun	76.0			66.9	0.0	0.0	66.9	0.0	0.12	0.22	0.10	69.5	123.3	7.5	1.79	1.79	1.79	0.049																			
07/22/2019	Mon	77.6			73.4	0.0	0.0	73.4	0.0	0.12	0.13	0.00	69.3	124.4	7.4	1.79	1.79	1.79	0.049																			
07/23/2019	Tue	70.2			70.2	0.0	0.0	70.2	0.0	0.11	0.37	0.36	69.3	120.8	7.5	1.79	1.79	1.79	0.049																			
07/24/2019	Wed	70.7	85	332	76.7	0.0	0.0	76.7	0.0	0.11	0.29	0.15	69.0	131.9	7.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	98.9	0.2	0.1	0.09	0.36	2.10	1.74	2.30							
07/25/2019	Thu	70.9			70.6	0.0	0.0	70.6	0.0	0.12	0.30	0.36	69.0	131.6	7.5	1.79	1.79	1.79	0.049																			
07/26/2019	Fri	87.2			74.5	0.0	0.0	74.5	0.0	0.12	0.23	0.20	68.9	121.5	7.5	1.79	1.79	1.79	0.049																			
07/27/2019	Sat	77.6			59.9	0.0	0.0	59.9	0.0	0.10	0.24	0.20	68.3	119.1	7.6	1.79	1.79	1.79	0.049																			
07/28/2019	Sun	75.9			72.1	0.0	0.0	72.1	0.0	0.10	0.16	0.00	68.1	106.9	7.5	1.79	1.79	1.79	0.049																			
07/29/2019	Mon	78.0			73.4	0.0	0.0	73.4	0.0	0.10	0.23	0.10	67.2	114.9	7.5	1.79	1.79	1.79	0.049																			
07/30/2019	Tue	74.3	186	382	73.1	0.0	0.0	73.1	0.0	0.09	0.17	0.00	67.1	116.0	7.5	1.79	1.79	1.79	0.049																			
07/31/2019	Wed	74.6			72.4	0.0	0.0	72.4	0.0	0.09	0.16	0.00	67.2	115.4	7.5	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.5	1.1	1.0	0.10	0.20	0.77	0.57	1.90							
TOTAL		2,166			2,038	0	0	2,019	0																													
MAX		89.9	282	447	80.1	0.0	0.0	80.1	0.0	0.14	0.49	0.76	69.5	131.9	7.7	1.79	1.79	1.79	0.049	3.0	99.6	0.9	99.7	4.2	4.2	0.10	0.68	2.10	1.74	5.24	4.9	2.9	980	162	281	0.42	0.02
AVG		72.2	191	251	67.9	0.0	0.0	67.5	0.0	0.12	0.24	0.17	68.0	108.3	7.5	1.79	1.79	1.79	0.049	2.1	97.6	0.9	99.4	1.7	1.7	0.06	0.37	0.98	0.61	2.69	4.9	2.9	980	162	281	0.42	0.02
MIN		56.1	85	43	48.8	0.0	0.0	48.8	0.0	0.09	0.12	0.00	66.0	88.8	7.0	1.79	1.79	1.79	0.049	1.9	93.9	0.9	98.9	0.2	0.1	0.02	0.09	0.48	0.04	1.56	4.9	2.9	980	162	281	0.42	0.02

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 Plant Reuse	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	kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	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															
08/01/2019	Thu	69.7			72.2	0.0	0.0	72.2	0.0	0.09	0.16	0.00	67.5	118.7	7.5	1.79	1.79	1.79	0.049																		
08/02/2019	Fri	71.4			71.3	0.0	0.0	71.3	0.0	0.10	0.16	0.00	67.3	122.1	7.5	1.79	1.79	1.79	0.049																		
08/03/2019	Sat	76.2			71.2	0.0	0.0	71.2	0.0	0.19	0.42	0.20	66.7	123.3	7.6	1.79	1.79	1.79	0.049															4.9	0.1	892	168	250	0.36	0.19
08/04/2019	Sun	73.7			71.3	0.0	0.0	71.3	0.0	0.16	0.18	0.00	65.4	109.8	7.7	1.79	1.79	1.79	0.049																		
08/05/2019	Mon	93.8			71.3	0.0	0.0	71.3	0.0	0.14	0.41	0.87	65.3	111.2	7.6	1.79	1.79	1.79	0.049																		
08/06/2019	Tue	121.4	128	266	71.6	0.0	0.0	71.6	0.0	0.11	0.22	0.05	66.8	97.3	7.3	1.79	1.79	1.79	0.049	2.0	99.2	0.9	99.3	0.9	0.8	0.02	0.25	1.72	1.47	2.58							
08/07/2019	Wed	90.4			109.6	0.0	0.0	109.6	0.0	0.10	0.49	0.61	70.0	109.2	7.6	1.79	1.79	1.79	0.049																		
08/08/2019	Thu	69.0			106.5	0.0	0.0	106.5	0.0	0.13	0.46	0.82	69.6	145.5	7.4	1.79	1.79	1.79	0.049																		
08/09/2019	Fri	91.2			72.7	0.0	0.0	72.7	0.0	0.14	0.42	0.51	66.9	133.1	7.4	1.79	1.79	1.79	0.049																		
08/10/2019	Sat	74.8			71.7	0.0	0.0	71.7	0.0	0.14	0.25	0.31	65.7	109.5	7.5	1.79	1.79	1.79	0.049																		
08/11/2019	Sun	71.1			72.4	0.0	0.0	72.4	0.0	0.14	0.37	0.51	65.5	118.6	7.6	1.79	1.79	1.79	0.049																		
08/12/2019	Mon	71.3			73.7	0.0	0.0	73.7	0.0	0.13	0.36	0.31	65.7	120.1	7.5	1.79	1.79	1.79	0.049																		
08/13/2019	Tue	64.0	215	365	74.2	0.0	0.0	74.2	0.0	0.13	0.25	0.25	67.1	103.7	7.6	1.79	1.79	1.79	0.049																		
08/14/2019	Wed	67.4			72.5	0.0	0.0	72.5	0.0	0.16	0.42	0.51	67.8	98.8	7.5	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.6	0.6	0.6	0.02	0.09	0.73	0.64	1.30							
08/15/2019	Thu	65.0			72.6	0.0	0.0	72.6	0.0	0.15	0.38	1.53	66.8	116.7	7.4	1.79	1.79	1.79	0.049																		
08/16/2019	Fri	68.8			68.4	0.0	0.0	68.4	0.0	0.16	0.25	0.41	67.3	126.3	7.4	1.79	1.79	1.79	0.049																		
08/17/2019	Sat	66.0			54.0	0.0	0.0	54.0	0.0	0.17	0.36	0.61	68.8	127.6	7.6	1.79	1.79	1.79	0.049																		
08/18/2019	Sun	69.4			50.9	0.0	0.0	50.9	0.0	0.14	0.33	0.51	69.2	128.0	7.6	1.79	1.79	1.79	0.049																		
08/19/2019	Mon	65.7			52.7	0.0	0.0	52.7	0.0	0.13	0.15	0.00	68.9	126.1	7.5	1.79	1.79	1.79	0.049																		
08/20/2019	Tue	64.9	242	427	58.7	0.0	0.0	58.7	0.0	0.13	0.31	0.41	69.2	126.7	7.4	1.79	1.79	1.79	0.049																		
08/21/2019	Wed	92.5			66.2	0.0	0.0	66.2	0.0	0.14	0.23	0.20	67.8	102.5	7.4	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.6	1.3	1.2	0.06	0.09	1.10	1.01	2.38							
08/22/2019	Thu	62.1			63.6	0.0	0.0	63.6	0.0	0.14	0.46	1.12	69.5	122.0	7.4	1.79	1.79	1.79	0.070																		
08/23/2019	Fri	65.8			41.5	0.0	0.0	41.5	0.0	0.16	0.44	0.56	69.3	110.6	7.5	1.79	1.79	1.79	0.049																		
08/24/2019	Sat	71.1			80.8	0.0	0.0	80.8	0.0	0.16	0.42	0.66	69.6	108.3	7.6	1.79	1.79	1.79	0.049																		
08/25/2019	Sun	67.0			66.5	0.0	0.0	66.5	0.0	0.18	0.34	1.22	68.3	97.6	7.4	1.79	1.79	1.79	0.049																		
08/26/2019	Mon	70.9			64.5	0.0	0.0	64.5	0.0	0.18	0.19	0.00	68.6	97.6	7.1	1.79	1.79	1.79	0.049																		
08/27/2019	Tue	74.2	128	268	64.6	0.0	0.0	64.6	0.0	0.02	0.42	1.68	69.2	104.9	7.4	1.79	1.79	1.79	0.049																		
08/28/2019	Wed	71.7			61.9	0.0	0.0	61.9	0.0	0.03	0.22	0.05	68.7	91.3	7.6	1.79	1.79	1.79	0.049	2.0	99.3	0.9	99.3	0.8	0.7	0.07	0.15	0.67	0.52	1.44							
08/29/2019	Thu	70.5			27.6	0.0	0.0	27.6	0.0	0.03	0.14	0.00	69.3	94.9	7.4	1.79	1.79	1.79	0.049																		
08/30/2019	Fri	82.1			16.0	0.0	0.0	16.0	0.0	0.02	0.07	0.00	69.7	96.2	7.5	1.79	1.79	1.79	0.049																		
08/31/2019	Sat	85.8			19.1	0.0	0.0	19.1	0.0	0.02	0.09	0.00	70.2	89.8	7.6	1.79	1.79	1.79	0.049																		
TOTAL		2,319			2,011.8	0.0	0.0	2,011.8	0.0																												
MAX		121.4	242	427	109.6	0.0	0.0	109.6	0.0	0.19	0.49	1.68	70.2	145.5	7.7	1.79	1.79	1.79	0.070	2.0	99.6	0.9	99.6	1.3	1.2	0.07	0.25	1.72	1.47	2.58	4.9	0.1	892	168	250	0.36	0.19
AVG		74.8	178	332	64.9	0.0	0.0	64.9	0.0	0.12	0.30	0.45	68.0	112.5	7.5	1.79	1.79	1.79	0.050	2.0	99.4	0.9	99.5	0.9	0.8	0.04	0.15	1.06	0.91	1.92	4.9	0.1	892	168	250	0.36	0.19
MIN		62.1	128	266	16.0	0.0	0.0	16.0	0.0	0.02	0.07	0.00	65.3	89.8	7.1	1.8	1.8	1.8	0.049	1.9	99.2	0.9	99.3	0.6	0.6	0.02	0.09	0.67	0.52	1.30	4.9	0.1	892	168	250	0.36	0.19

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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 Plant Reuse	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	kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	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																
09/01/2019	Sun	81.8			21.0	0.0	0.0	21.0	0.0	0.08	0.27	0.15	70.6	94.0	7.5	1.79	1.79	1.79	0.049																			
09/02/2019	Mon	73.0			21.0	0.0	0.0	21.0	0.0	0.09	0.19	0.00	70.5	91.8	7.0	1.79	1.79	1.79	0.049																			
09/03/2019	Tue	72.9	150	325	21.1	0.0	0.0	21.1	0.0	0.09	0.43	0.15	70.9	100.5	7.5	1.79	1.79	1.79	0.049													4.9	0.1	812	124	246	0.27	0.02
09/04/2019	Wed	61.5			21.2	0.0	0.0	21.2	0.0	0.11	0.45	0.20	71.2	108.5	7.0	1.79	1.79	1.79	0.049	3.0	99.1	0.9	99.4	0.1	0.1	0.02	0.09	0.84	0.75	0.99							
09/05/2019	Thu	97.1			21.0	0.0	0.0	21.0	0.0	0.11	0.39	0.31	70.1	99.2	6.8	1.79	1.79	1.79	0.210																			
09/06/2019	Fri	67.3			48.3	0.0	0.0	48.3	0.0	0.12	0.38	0.20	70.7	101.3	7.5	1.79	1.79	1.79	0.049																			
09/07/2019	Sat	67.1			65.2	0.0	0.0	65.2	0.0	0.13	0.33	0.20	71.3	126.6	7.5	1.79	1.79	1.79	0.049																			
09/08/2019	Sun	66.5			64.9	0.0	0.0	64.9	0.0	0.14	0.44	0.56	70.3	108.0	7.3	1.79	1.79	1.79	0.049																			
09/09/2019	Mon	64.1			65.4	0.0	0.0	65.4	0.0	0.17	0.33	1.02	69.5	107.1	7.4	1.79	1.79	1.79	0.049																			
09/10/2019	Tue	58.3	231	433	63.6	0.0	0.0	63.6	0.0	0.17	0.36	0.46	69.3	106.6	7.6	1.79	1.79	1.79	0.049																			
09/11/2019	Wed	60.1			64.7	0.0	0.0	64.7	0.0	0.16	0.45	0.71	69.4	122.3	7.5	1.79	1.79	1.79	0.049	2.0	99.5	0.9	99.6	0.3	0.2	0.07	0.70	1.06	0.36	1.36							
09/12/2019	Thu	58.7			64.3	0.0	0.0	64.3	0.0	0.16	0.43	0.51	69.1	109.9	8.4	170.00	1.79	1.79	84.000																			
09/13/2019	Fri	63.4			62.1	0.0	0.0	62.1	0.0	0.18	0.28	1.12	68.3	123.4	7.5	1.79	1.79	1.79	0.049																			
09/14/2019	Sat	66.4			35.7	0.0	0.0	35.7	0.0	0.10	0.46	0.25	67.4	125.3	7.5	1.79	1.79	1.79	0.090																			
09/15/2019	Sun	69.5			48.3	0.0	0.0	48.3	0.0	0.09	0.27	0.20	67.7	124.8	7.3	1.79	1.79	1.79	0.060																			
09/16/2019	Mon	59.0			62.5	0.0	0.0	62.5	0.0	0.08	0.48	0.56	67.5	127.8	7.5	1.79	1.79	1.79	0.049																			
09/17/2019	Tue	57.0	191	437	65.3	0.0	0.0	65.3	0.0	0.08	0.10	0.00	67.1	119.7	7.4	1.79	1.79	1.79	0.049																			
09/18/2019	Wed	58.1			65.4	0.0	0.0	65.4	0.0	0.07	0.39	0.41	67.0	119.7	7.4	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.5	2.3	1.8	0.45	0.09	1.40	1.31	3.65							
09/19/2019	Thu	62.2			65.4	0.0	0.0	65.4	0.0	0.08	0.38	0.15	65.6	106.4	7.4	1.79	1.79	1.79	0.049																			
09/20/2019	Fri	59.9			64.4	0.0	0.0	64.4	0.0	0.08	0.24	0.20	65.8	98.9	7.3	1.79	1.79	1.79	0.060																			
09/21/2019	Sat	62.7			43.0	0.0	0.0	43.0	0.0	0.10	0.23	0.10	65.6	92.6	7.8	1.79	1.79	1.79	0.320																			
09/22/2019	Sun	77.6			42.1	0.0	0.0	42.1	0.0	0.12	0.48	0.56	65.7	93.4	7.5	1.79	1.79	1.79	0.049																			
09/23/2019	Mon	60.7			65.3	0.0	0.0	65.3	0.0	0.12	0.43	0.87	67.3	110.4	7.4	1.79	1.79	1.79	0.060																			
09/24/2019	Tue	57.6	314	426	65.3	0.0	0.0	65.3	0.0	0.11	0.42	0.87	66.4	102.5	7.4	1.79	1.79	1.79	0.100																			
09/25/2019	Wed	56.4			58.5	0.0	0.0	58.5	0.0	0.11	0.50	0.41	66.6	99.6	7.3	1.79	1.79	1.79	0.500	4.0	99.1	1.0	99.7	1.5	1.5	0.05	0.09	0.50	0.41	2.01							
09/26/2019	Thu	56.7			43.5	0.0	0.0	43.5	0.0	0.11	0.50	1.99	67.1	113.5	7.6	1.79	1.79	1.79	3.400																			
09/27/2019	Fri	59.6			48.0	0.0	0.0	48.0	0.0	0.15	0.37	1.32	69.0	97.8	7.5	1.79	1.79	1.79	1.600																			
09/28/2019	Sat	58.8			51.1	0.0	0.0	51.1	0.0	0.16	0.29	1.22	71.9	103.3	7.5	1.79	1.79	1.79	0.750																			
09/29/2019	Sun	56.1			50.9	0.0	0.0	50.9	0.0	0.16	0.50	2.80	71.4	109.9	7.5	1.79	1.79	1.79	0.190																			
09/30/2019	Mon	57.9			50.2	0.0	0.0	50.2	0.0	0.17	0.24	2.04	71.1	99.2	7.6	1.79	1.79	1.79	0.960																			
TOTAL		1,928			1,529	0	0	1,529	0																													
MAX		97.1	314	437	65.4	0.0	0.0	65.4	0.0	0.18	0.50	2.80	71.9	127.8	8.4	170.00	1.79	1.79	84.000	4.0	99.6	1.0	99.7	2.3	1.8	0.45	0.70	1.40	1.31	3.65	4.9	0.1	812	124	246	0.27	0.02
AVG		64.3	222	405	51.0	0.0	0.0	51.0	0.0	0.12	0.37	0.65	68.7	108.1	7.4	7.40	1.79	1.79	3.103	2.7	99.3	0.9	99.6	1.1	0.9	0.15	0.24	0.95	0.71	2.00	4.9	0.1	812	124	246	0.27	0.02
MIN		56.1	150	325	21.0	0.0	0.0	21.0	0.0	0.07	0.10	0.00	65.6	91.8	6.8	1.79	1.79	1.79	0.049	1.9	99.1	0.9	99.4	0.1	0.1	0.02	0.09	0.50	0.36	0.99	4.9	0.1	812	124	246	0.27	0.02

ATTACHMENT B: QUARTERLY EFF

	>> DATE >>		2/8						
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals									
Aluminum	1	mg/L	0.031	0.081	0.04		0.081	5.07E-02	0.031
Antimony	0.006	mg/L	0.00009	0.0009	0.0009		0.0009	0.00063	0.00009
Arsenic	0.01	mg/L	0.0015	0.001	0.0009		0.0015	1.13E-03	0.0009
Asbestos	7	MFL	0	0	0		0	0	0
Barium	1	mg/L	0.011	0.022	0.013		0.022	1.53E-02	0.011
Beryllium	0.004	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Cadmium	0.005	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Chromium	0.05	mg/L	0.0054	0.0052	0.0022		0.0054	4.27E-03	0.0022
Cyanide	0.15	mg/L	0.0049	4.90E-06	0.0049		0.0049	3.27E-03	4.90E-06
Mercury	0.002	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Nickel	0.1	mg/L	0.0038	0.0046	0.0038		0.0046	4.07E-03	0.0038
Selenium	0.05	mg/L	0.0053	0.0056	0.0047		0.0056	0.0052	0.0047
Thallium	0.002	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Perchlorate	0.006	mg/L	0	0	0		0	0	0
Fluoride	2	mg/L	0.57	0.00009	0.55		0.57	3.73E-01	0.00009
A2 - Radioactivity									
Radium-226 + Radium-228	5	pCi/L	0.726	0.470	0.828		0.828	6.75E-01	0.47
Gross Alpha Particle Activity	15	pCi/L	1.24	1.78	1.24		1.78	1.42	1.24
Tritium	20,000	pCi/L	434	434	434		434	434	434
Strontium-90	8	pCi/L	0.546	0.546	0.546		0.546	0.546	0.546
Gross Beta Particle Activity	50	pCi/L	1.04	1.49	1.46		1.49	1.33	1.04
Uranium	20	pCi/L	0.342	4.6 ug/l	3.0 ug/l		0.342	0.342	0.342
A3 - Volatile Organic Chemicals									
Benzene	0.001	mg/L	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
1,2-Dichlorobenzene	0.6	mg/L	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
1, 1-Dichloroethane	0.005	mg/L	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
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L	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
Trans-1,2-Dichloroethylene	0.01	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Dichloromethane	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	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
Ethylbenzene	0.3	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049

	>> DATE >>		2/8						
	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
Atrazine	0.001	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Bentazon	0.018	mg/L	0.0002	0.00019	0.00019		0.0002	1.93E-04	0.00019
Benzo(a)pyrene	0.0002	mg/L	0.000049	0.000049	0.000049		0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Chlordane	0.0001	mg/L	0.0009	0.00009	0.000089		0.0009	3.60E-04	0.000089
2,4-D	0.07	mg/L	0.00019	0.00019	0.0009		0.0009	4.27E-04	0.00019
Dalapon	0.2	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L	0.000009	1.90E-06	9.00E-06		0.000009	6.63E-06	0.0000019
Di(2-ethylhexyl)adipate	0.4	mg/L	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
Dinoseb	0.007	mg/L	0.0019	0.00019	0.00019		0.0019	0.00076	0.00019
Diquat	0.02	mg/L	0.00039	0.001748	0.001767		0.001767	1.30E-03	0.00039
Endothall	0.1	mg/L	0.0449	0.202	0.198		0.202	0.1483	0.0449
Endrin	0.002	mg/L	0.000009	0.000009	0.000009		0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.000019	0.000019	1.90E-05		0.000019	0.000019	0.000019
Glyphosate	0.7	mg/L	0.0049	0.05005	0.04908		0.05005	3.47E-02	0.0049
Heptachlor	0.00001	mg/L	9.00E-06	0.000019	9.00E-06		1.90E-05	1.23E-05	9.00E-06
Heptachlor Epoxide	0.00001	mg/L	9.00E-06	0.000019	9.00E-06		1.90E-05	1.23E-05	9.00E-06
Hexachlorobenzene	0.001	mg/L	9.00E-06	1.90E-05	9.00E-06		1.90E-05	1.23E-05	9.00E-06
Hexachlorocyclopentadiene	0.05	mg/L	9.00E-06	1.90E-05	9.00E-06		1.90E-05	1.23E-05	9.00E-06
lindane	0.0002	mg/L	9.00E-06	1.90E-05	9.00E-06		1.90E-05	1.23E-05	9.00E-06
Methoxychlor	0.03	mg/L	4.90E-05	4.90E-05	4.90E-05		4.90E-05	4.90E-05	4.90E-05
Molinate	0.02	mg/L	1.90E-04	1.90E-04	1.90E-04		1.90E-04	1.90E-04	1.90E-04
Oxamyl	0.05	mg/L	9.00E-04	9.00E-04	9.00E-04		9.00E-04	9.00E-04	9.00E-04
Pentachlorophenol	0.001	mg/L	1.90E-04	1.90E-04	1.90E-04		1.90E-04	1.90E-04	1.90E-04
Picloram	0.5	mg/L	1.90E-04	1.90E-04	1.90E-04		1.90E-04	1.90E-04	1.90E-04
Polychlorinated Biphenyls	0.0005	mg/L	9.00E-05	9.00E-05	8.90E-05		9.00E-05	8.97E-05	8.90E-05
Simazine	0.004	mg/L	1.90E-04	1.90E-04	1.90E-04		1.90E-04	1.90E-04	1.90E-04
Thiobencarb	0.07	mg/L	1.90E-04	1.90E-04	1.90E-04		1.90E-04	1.90E-04	1.90E-04
Toxaphene	0.003	mg/L	9.00E-04	9.00E-05	8.90E-05		9.00E-04	3.60E-04	8.90E-05
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	4.14E-09		3.61 pg/L		4.14E-09	4.14E-09	4.14E-09
2,4,5-TP (Silvex)	0.05	mg/L	1.90E-04	1.90E-04	1.90E-04		1.90E-04	1.90E-04	1.90E-04
A4 - Disinfection Byproducts									
Total Trihalomethanes (TTHM)	0.08	ppb	0.49	0.00049	0.0468		0.49	1.79E-01	0.00049
Bromodichloromethane			0.49	0.00049	0.0185		0.49	1.70E-01	0.00049
Bromoform			0.49	0.00049	0.0008		0.49	1.64E-01	0.00049

ATTACHMENT B: QUARTERLY EFF

	>> DATE >>		2/8						
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
Methyl-tert-butyl-ether (MTBE)	0.013	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Monochlorobenzene	0.07	mg/L	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
1,1,2,2-Tetrachloroethane	0.001	mg/L	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
Toluene	0.15	mg/L	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
1, 1, 1-Trichloroethane	0.2	mg/L	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
Trichloroethylene (TCE)	0.005	mg/L	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
1, 1,2-Trichloro-1,2,2-Trifluoroethane	1.2	mg/L	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
Xylene (m,p)	1.75	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049

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

	>> DATE >>		2/8						
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
Chloroform			0.49	0.0006	0.0209		0.49	0.1705	0.0006
Dibromochloromethane			0.49	0.00049	0.0066		0.49	1.66E-01	0.00049
Haloacetic acid (five) (HAA5)	0.06	ppb	0.49	0.00049	0.0009		0.49	1.64E-01	0.00049
Monochloroacetic acid		ppb	0.49	0.00049	0.0009		0.49	1.64E-01	0.00049
Dichloroacetic acid		ppb	0.49	0.00049	0.0131		0.49	1.68E-01	0.00049
Trichloroacetic acid		ppb	0.49	0.00049	0.0047		0.49	1.65E-01	0.00049
Monobromoacetic acid		ppb	0.49	0.00049	0.0009		0.49	1.64E-01	0.00049
Dibromoacetic acid		ppb	0.5	0.00049	0.0026		0.5	1.68E-01	0.00049
Bromate121	0.01	ppb	38.2	0.024	0.0249		38.2	1.27E+01	0.024
Chlorite131	1	ppb	19.9	0.099	0.0999		19.9	6.70E+00	0.099
A5 - Secondary MCLs									
Aluminum	0.2	mg/L	0.031	0.081	0.0399		0.081	5.06E-02	0.031
Color	150	CU	24.4	25.3	25.4		25.4	2.50E+01	24.4
Copper	1	mg/L	0.0008	0.001	0.001		0.001	9.33E-04	0.0008
Corrosivity (Langelier Index)	Non		0.24	-0.06	-0.00021		0.24	0.05993	-0.06
Foam Agents (MBAS)	0.5	mg/L	0.19	0.00019	0.21		0.21	1.33E-01	0.00019
Iron	0.3	mg/L	0.11	0.00002	0.000019		0.11	3.67E-02	0.000019
Manganese	0.05	mg/L	0.0024	0.085	0.0036		0.085	3.03E-02	0.0024
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.	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
Thiobencarb	0.001	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Zinc	5	mg/L	0.012	0.022	0.013		0.022	1.57E-02	0.012

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

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

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

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

ATTACHMENT D: ANNUAL EFF

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



Malibu Civic Center Wastewater Treatment Facility

Third Quarter 2019 Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

October 30, 2019

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October 30, 2019
Project No: 15-01587

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90401

Subject: **Third Quarter 2019 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California**

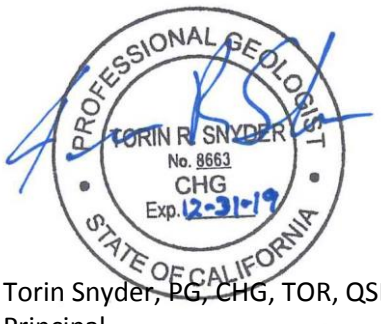
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the Third Quarter 2019 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 Third Quarter 2019 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

"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 30 day of October 2019 at Malibu City Hall

Yolanda Bundy
_____
Signature

Environmental Sustainability Director
_____
Title

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Appendix A Groundwater and Surface Water Field Sheets
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1 Introduction

This report presents the results of Third Quarter 2019 Long-Term Groundwater and Surface Water Monitoring activities for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in the City of Malibu, California (Figure 1). 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 conducted. 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 because 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 Title 22 Recycled Water in the Prohibition area
- 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 (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) 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 (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. 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. The nine (9) groundwater monitoring wells and ten (10) surface water sampling locations identified in Task II are sampled on a quarterly basis after CCWTF operations commence. 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 branches from 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 (16) groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City 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 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 (14) groundwater wells located in the City'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 a better 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 south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (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 200, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 13 feet below grade and is deeper in the upland canyon areas.

4 Activities Completed During the Third Quarter of 2019

The following activities were completed during the third quarter 2019:

- Rincon measured depth to water in groundwater elevation monitoring wells on July 22, August 12, and September 13, 2019.
- Rincon collected and analyzed groundwater samples for WDR/MRP/SNMP compliance on August 13, 14, and 15, 2019.
- Rincon collected and analyzed surface water samples for WDR/MRP compliance on August 13, 2019.

5 Groundwater Elevations and Gradients

Rincon mobilized to 46 groundwater elevation monitoring wells to measure the depth to water using an electronic water level indicator (see Table 1 and Appendix A). Of the 46 groundwater monitoring wells, two of the wells were unable to be located (MBCMW-5 and MBCMW-6), one well was reported buried (GH9-M4), and one was reported dry (SMBRP-15B). Therefore, groundwater elevations could not be calculated in these groundwater monitoring wells.

5.1 Shallow Zone

The groundwater elevations for the shallow zone groundwater elevation monitoring locations ranged from 4.71 feet above mean sea level (amsl) at well MCWP-MW08 to 24.25 feet amsl at

SMBRP-8 (ECI-RC-MW01) (Table 1). Of the groundwater elevations measured, 24 wells increased, and one well decreased from July to September 2019[1].

Groundwater elevations decreased a maximum of 4.93 feet amsl in well MBCMW-8 and increased a maximum of 1.06 feet amsl in monitoring well P-4 over the third quarter 2019. The predominant direction of groundwater flow was south, southeast. Elevation data and flow direction are displayed in Figures 3, 4, and 5.

The shallow groundwater gradient was 0.0046 feet/foot, 0.0048 feet/foot, and 0.0045 feet/foot (calculated using groundwater monitoring wells SMBRP-2, SMBRP-9, and SMBRP-12) during the third quarter 2019 monthly monitoring events.

5.2 Deep Zone

The groundwater elevations for the deep zone groundwater elevation monitoring locations ranged from 5.51 feet amsl in MCWP-MW07D to 11.39 feet amsl in MCWP-MW09 (Table 1). Groundwater elevations decreased in all eight deep groundwater monitoring wells from July to September 2019. Groundwater elevations decreased a maximum of 1.22 feet amsl in well MCWP-MW03 and decreased a minimum of 0.61 feet amsl in well MCWP-MW01 from July to September 2019.

5.3 Winter Canyon

The groundwater elevations for the Winter Canyon groundwater elevation monitoring locations ranged from 10.03 feet amsl in SMBRP-11 to 54.97 feet amsl in LAMW-5S (Table 1). Groundwater elevations decreased 0.39 feet amsl in SMBRP-11 and decreased 0.97 feet amsl in LAMW-5S between July and September 2019.

6 Water Quality Sampling Analysis

The surface water and groundwater samples were transported under chain-of-custody documentation to Enthalpy Analytical (Enthalpy), a California-accredited laboratory located in Orange, California. 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 third quarter 2019 monitoring event are provided in Table 3 and Table 4. Analytical laboratory reports are included as Appendix B of this report.

[1] Depth to water is measured in 33 shallow groundwater wells. Seven wells have no measured top-of-casing (TOC) elevation so groundwater elevation cannot be calculated. One well (SMBRP-7B) was also dry during the entire third quarter 2019, meaning that groundwater elevation could not be calculated for this well.

6.1 Surface Water

6.1.1 Sampling Methodology

A total of 10 surface water samples were collected on August 13, 2019. 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). 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. 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.

6.1.2 Laboratory Analyses

Total Coliform

Across all surface water samples, all but one sample (N-004 [2000 MPN/100 mL]) exceeded 2,400 Most Probable Number per 100 milliliters (MPN/100 mL). Total coliform concentrations in the Near Shore surface water samples ranged from 2,000 to greater than 2,400 with an average concentration of 2300 MPN/100 mL[2]. All six Malibu Lagoon and Creek surface water samples were reported above the laboratory upper reporting detection limit (RDL) for total coliform of 2,400 MPN/100 mL. The average total coliform concentration across all surface water samples was 2,360 MPN/100 mL.

Fecal Coliform

Fecal coliform was detected in two of the four Near Shore surface water samples. Detected concentrations ranged from 2.0 MPN/100 mL to 24 MPN/100 mL with an average of 6.75 MPN/100 mL. Fecal coliform was detected in all Malibu Lagoon and Creek surface water samples and ranged from 29 to 580 MPN/100 mL with an average of 274.17 MPN/100 mL. The average fecal coliform concentration across all surface water samples was 167.2 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

Nitrate as Nitrogen concentrations were not detected above the RDL for any surface water samples.

[2] Note that throughout this report, averages 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 above the RDL.

Other Forms of Nitrogen

Nitrite as nitrogen concentrations across all surface water samples were below the RDL.

Total organic nitrogen concentrations in surface water samples collected at the Near Shore sampling locations were below the RDL. Total organic nitrogen concentrations were detected in five of the six samples collected at the Malibu Lagoon and Creek sampling locations and ranged from 0.07 mg/L to 0.93 mg/L with an average of 0.38 mg/L. The average total organic nitrogen across all surface water samples was 0.24 mg/L.

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 (Figure 6). Ammonia was detected in two of the four Near Shore samples and four of the six Malibu Lagoon and Creek samples. The ammonia detections were found at N-001 and N-002 which were 0.098 and 0.038 mg/L, respectively. Detected concentrations in Malibu Lagoon and Creek samples ranged from 0.017 mg/L to 0.07 mg/L with an average of 0.023 mg/L. The average ammonia concentration across all surface water samples was 0.028 mg/L.

Total Kjeldahl Nitrogen (TKN) concentrations in surface water samples collected at the Near Shore sampling locations were not detected above the RDL. TKN was detected in five of the six Malibu Lagoon and Creek sampling locations and ranged from 0.066 mg/L to 0.95 mg/L with an average of 0.402 mg/L. The average TKN across all surface water samples was 0.25 mg/L.

Total Phosphorous

Total phosphorus was detected in all surface water samples. Near Shore samples ranged from 0.045 to 0.866 mg/L with an average of 0.282 mg/L. Total phosphorus in Malibu Lagoon and Creek sampling locations ranged from 0.051 to 0.266 mg/L with an average concentration of 0.11 mg/L. The average phosphorous concentration across all surface water samples was 0.18 mg/L.

6.2 Groundwater

6.2.1 Sampling Methodology

On August 13, 14, and 15, 2019, a total of sixteen groundwater monitoring wells were sampled for the third quarter 2019 monitoring event and included the full analytical program to meet annual monitoring requirements (Task II and IV). 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 500-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 are included in Appendix A.

6.2.2 Laboratory Analyses

Total Coliform

Total coliform was detected in all fourteen groundwater monitoring well samples. Total coliform concentrations ranged from 1 MPN/100 mL to 4000 MPN/100 mL with an average of 648.46 MPN/100 mL. Monitoring wells LAMW-5S and CCPE were the only locations that exceeded the upper RDL (see Table 4).

Fecal Coliform

Fecal coliform was detected in five of the sixteen groundwater samples. Detected fecal coliform concentrations ranged from 1.0 MPN/100 mL to 60 MPN/100 mL. The average concentration across all wells was 5.82 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

Nitrate as nitrogen was detected in thirteen of the sixteen groundwater monitoring well samples. Detected concentrations ranged from 0.1 mg/L to 10.9 mg/L with an average concentration of 2.18 mg/L.

Other forms of Nitrogen

Nitrite as nitrogen was not detected above the RDL in any groundwater samples. Organic nitrogen concentrations were detected in thirteen of the fourteen groundwater samples. Detected concentrations ranged from 0.05 mg/L at to 1.6 mg/L. Average organic nitrogen concentrations across all wells was 0.41 mg/L.

Ammonia (as nitrogen) concentrations were detected in twelve of the fourteen groundwater samples, with detected values ranging from 0.016 mg/L to 6.39 mg/L. The average ammonia concentration across all wells was 0.97 mg/L.

TKN concentrations were detected in all groundwater samples. Concentrations ranged from 0.13 mg/L to 6.9 mg/L with an average concentration of 1.37 mg/L.

Total Phosphorous

Total phosphorous was detected in all the fourteen groundwater monitoring wells. Concentrations ranged from 0.06 mg/L to 2.26 mg/L with an average concentration of 0.49 mg/L.

Total Dissolved Solids

Total Dissolved Solids (TDS) concentrations ranged from 582 mg/L to 6150 mg/L with an average concentration of 2247mg/L.

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. Any exceedances are indicated in the Case Narrative of the analytical laboratory report.

7 Scheduled Activities for the Fourth Quarter of 2019

The following activities will be completed during the fourth quarter of 2019:

- Prepare and submit the Third Quarter 2019 Long-Term Groundwater and Surface Water Monitoring Report to the LARWQCB.
- Collect and analyze groundwater and surface water samples for MRP compliance (Task II)
- Measure depth to water in the groundwater monitoring wells in October, November, and December 2019 (Task V).

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows southeast to south-southeast. Groundwater elevations decreased in nearly every well across shallow, deep, and Winter Canyon wells. Calculated groundwater elevations decreased in all but one shallow groundwater monitoring wells during the third quarter 2019. Deep groundwater monitoring well elevations decreased all eight wells between July and September 2019. At Winter Canyon, groundwater elevation in both wells decreased between July and September 2019.

8.2 Surface Water Quality

While total coliform results for all Malibu Lagoon and Creek sampling locations were elevated to near or above the upper detection limit in the second quarter 2019, all surface water samples exceeded the upper limit (except for N-004) during the third quarter monitoring event. Increases in total coliform in Near Shore locations ranged from 1,130 to 2,300 MPN/100mL.

Analytical results for fecal coliform show a different trend at the Near Shore locations from the second to third quarter 2019, with concentrations decreasing or remaining below the RDL at three locations and increasing at one (N-003 [1 MPN/100 mL to 24 MPN/100 mL]). Fecal coliform

concentrations within the Malibu Lagoon and Creek samples increased at four locations, decreased at L-006, and remained the same at L-002. Fecal coliform increases at the Malibu Lagoon and Creek locations ranged from 35 to 490 MPN/100 mL.

All nitrogen species (nitrate, nitrite, organic, and ammonia) within the surface water samples remained consistent with the second quarter 2019 monitoring event, with results either below or slightly above the RDL.

When comparing phosphorous concentrations from second quarter 2019 to third quarter 2019, concentrations decreased at seven surface water locations and increased at three locations.

8.3 Groundwater Quality

A total of sixteen groundwater monitoring wells were sampled during the third quarter of 2019 as part of the WDR/MRP/SNMP monitoring program. When comparing third quarter to second quarter analytical results, note that only nine groundwater monitoring wells were sampled during the second quarter monitoring event. Of the nine wells sampled between the second and third quarter, total coliform decreased in eight monitoring wells and increased in one monitoring well, whereas fecal coliform decreased in seven monitoring wells, increased in one monitoring well, and remained undetected in one monitoring well.

Nitrate as nitrogen was detected in thirteen of sixteen groundwater samples analyzed. When comparing analytical results from the third quarter to the same nine wells sampled during the second quarter, nitrate concentrations decreased at six groundwater monitoring wells, increased at two wells, and remained the same at one well.

Average TDS concentrations in groundwater samples increased from 1,563 mg/L in second quarter 2019 to 2,247 mg/L in third quarter 2019.

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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RMC Water. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	7/22/2019	11.47	4.66	6.81
C-1	8/12/2019	11.47	4.89	6.58
C-1	9/13/2019	11.47	5.10	6.37
C-2	7/22/2019	11.19	4.50	6.69
C-2	8/12/2019	11.19	4.71	6.48
C-2	9/13/2019	11.19	4.85	6.34
CCPE	7/22/2019	12.94	4.83	8.11
CCPE	8/12/2019	12.94	5.42	7.52
CCPE	9/13/2019	12.94	5.81	7.13
CCPNE	7/22/2019	13.68	5.52	8.16
CCPNE	8/12/2019	13.68	6.10	7.58
CCPNE	9/13/2019	13.68	6.50	7.18
CCPSW	7/22/2019	13.67	4.45	9.22
CCPSW	8/12/2019	13.67	5.88	7.79
CCPSW	9/13/2019	13.67	6.33	7.34
CCW-4	7/22/2019	15.77	5.14	10.63
CCW-4	8/12/2019	15.77	5.13	10.64
CCW-4	9/13/2019	15.77	5.38	10.39
GH6-M1	7/22/2019	-	25.80	-
GH6-M1	8/12/2019	-	26.10	-
GH6-M1	9/13/2019	-	26.35	-
GH8-M3	7/22/2019	-	24.74	-
GH8-M3	8/12/2019	-	25.02	-
GH8-M3	9/13/2019	-	25.51	-
GH9-M4	7/22/2019	-	Buried	-
GH9-M4	8/12/2019	-	Buried	-
GH9-M4	9/13/2019	-	Buried	-
M6-1	7/22/2019	-	5.47	-
M6-1	8/12/2019	-	5.70	-
M6-1	9/13/2019	-	6.17	-
M6-2	7/22/2019	-	4.61	-
M6-2	8/12/2019	-	4.65	-
M6-2	9/13/2019	-	5.07	-
M7-1	7/22/2019	-	6.90	-
M7-1	8/12/2019	-	7.00	-
M7-1	9/13/2019	-	7.32	-
M7-2	7/22/2019	-	6.45	-
M7-2	8/12/2019	-	6.40	-
M7-2	9/13/2019	-	6.75	-
MBCMW-7	7/22/2019	16.64	10.40	6.24
MBCMW-7	8/12/2019	16.64	10.62	6.02
MBCMW-7	9/13/2019	16.64	11.13	5.51
MBCMW-8	7/22/2019	16.53	6.80	9.73
MBCMW-8	8/12/2019	16.53	7.00	9.53
MBCMW-8	9/13/2019	16.53	11.73	4.80
MBCMW-9	7/22/2019	17.71	6.99	10.72
MBCMW-9	8/12/2019	17.71	6.92	10.79
MBCMW-9	9/13/2019	17.71	7.20	10.51
MBCMW-10	7/22/2019	17.74	7.61	10.13
MBCMW-10	8/12/2019	17.74	7.99	9.75
MBCMW-10	9/13/2019	17.74	8.42	9.32

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04S	7/22/2019	15.29	5.47	9.82
MCWP-MW04S	8/12/2019	15.29	5.68	9.61
MCWP-MW04S	9/13/2019	15.29	6.29	9.00
MCWP-MW07S	7/22/2019	13.72	4.92	8.80
MCWP-MW07S	8/12/2019	13.72	5.25	8.47
MCWP-MW07S	9/13/2019	13.72	5.46	8.26
MCWP-MW08	7/22/2019	12.21	6.88	5.33
MCWP-MW08	8/12/2019	12.21	7.35	4.86
MCWP-MW08	9/13/2019	12.21	7.50	4.71
MCWP-MW10	7/22/2019	11.11	4.89	6.22
MCWP-MW10	8/12/2019	11.11	5.34	5.77
MCWP-MW10	9/13/2019	11.11	5.83	5.28
P-4	7/22/2019	12.16	5.79	6.37
P-4	8/12/2019	12.16	4.28	7.88
P-4	9/13/2019	12.16	4.73	7.43
P-9	7/22/2019	12.17	4.16	8.01
P-9	8/12/2019	12.17	4.67	7.50
P-9	9/13/2019	12.17	5.10	7.07
SMBRP-2	7/22/2019	13.13	5.15	7.98
SMBRP-2	8/12/2019	13.13	5.65	7.48
SMBRP-2	9/13/2019	13.13	6.12	7.01
SMBRP-6	7/22/2019	26.88	15.25	11.63
SMBRP-6	8/12/2019	26.88	15.85	11.03
SMBRP-6	9/13/2019	26.88	17.00	9.88
SMBRP-7B	7/22/2019	18.99	9.73	9.26
SMBRP-7B	8/12/2019	18.99	9.70	9.29
SMBRP-7B	9/13/2019	18.99	10.02	8.97
SMBRP-8 (ECI-RC-MW01)	7/22/2019	48.69	24.44	24.25
SMBRP-8 (ECI-RC-MW01)	8/12/2019	48.69	24.77	23.92
SMBRP-8 (ECI-RC-MW01)	9/13/2019	48.69	25.50	23.19
SMBRP-9	7/22/2019	50.32	35.05	15.27
SMBRP-9	8/12/2019	50.32	35.10	15.22
SMBRP-9	9/13/2019	50.32	35.37	14.95
SMBRP-10C	7/22/2019	16.25	5.54	10.71
SMBRP-10C	8/12/2019	16.25	5.86	10.39
SMBRP-10C	9/13/2019	16.25	6.32	9.93
SMBRP-12	7/22/2019	12.62	6.77	5.85
SMBRP-12	8/12/2019	12.62	7.15	5.47
SMBRP-12	9/13/2019	12.62	6.84	5.78
SMBRP-13	7/22/2019	13.58	7.68	5.90
SMBRP-13	8/12/2019	13.58	8.28	5.30
SMBRP-13	9/13/2019	13.58	8.16	5.42
SMBRP-15B	7/22/2019	16.77	dry	-
SMBRP-15B	8/12/2019	16.77	dry	-
SMBRP-15B	9/13/2019	16.77	dry	-
SMBRP-16	7/22/2019	14.50	3.21	11.29
SMBRP-16	8/12/2019	14.50	3.37	11.13
SMBRP-16	9/13/2019	14.50	3.91	10.59

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	7/22/2019	17.90	9.30	8.60
MCWP-MW01	8/12/2019	17.90	9.56	8.34
MCWP-MW01	9/13/2019	17.90	9.91	7.99
MCWP-MW02	7/22/2019	18.06	9.83	8.23
MCWP-MW02	8/12/2019	18.06	10.25	7.81
MCWP-MW02	9/13/2019	18.06	10.62	7.44
MCWP-MW03	7/22/2019	15.31	6.58	8.73
MCWP-MW03	8/12/2019	15.31	7.35	7.96
MCWP-MW03	9/13/2019	15.31	7.8	7.51
MCWP-MW04D	7/22/2019	15.43	8.51	6.92
MCWP-MW04D	8/12/2019	15.43	8.72	6.71
MCWP-MW04D	9/13/2019	15.43	9.12	6.31
MCWP-MW05	7/22/2019	13.92	6.65	7.27
MCWP-MW05	8/12/2019	13.92	7.08	6.84
MCWP-MW05	9/13/2019	13.92	7.51	6.41
MCWP-MW06	7/22/2019	16.05	8.80	7.25
MCWP-MW06	8/12/2019	16.05	9.30	6.75
MCWP-MW06	9/13/2019	16.05	9.82	6.23
MCWP-MW07D	7/22/2019	13.21	6.50	6.71
MCWP-MW07D	8/12/2019	13.21	7.25	5.96
MCWP-MW07D	9/13/2019	13.21	7.70	5.51
MCWP-MW09	7/22/2019	16.30	4.91	11.39
MCWP-MW09	8/12/2019	16.30	5.50	10.80
MCWP-MW09	9/13/2019	16.30	5.77	10.53

TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	7/22/2019	104.55	49.58	54.97
LAMW-5S	8/12/2019	104.55	50.40	54.15
LAMW-5S	9/13/2019	104.55	50.55	54.00
SMBRP-11	7/22/2019	18.35	7.93	10.42
SMBRP-11	8/12/2019	18.35	8.20	10.15
SMBRP-11	9/13/2019	18.35	8.32	10.03

ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
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)	✓	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓ (TDS only)	✓ (TDS only)	✓	✓	✓	✓ (TDS only)	✓ (TDS only)
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, nickel, selenium, thallium)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Perchlorate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Fluoride	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Combined Radium-226 and Radium-228	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Gross Alpha and Beta Particle Activity	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Tritium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Strontium-90	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Uranium	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 524.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB) (EPA Method 504.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachlorocyclopentadiene, Lindane, Methoxychlor, Polychlorinated Biphenyls, Toxaphene (EPA Method 505)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Alachlor, Atrazine, Simazine (EPA Method 507)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bentazon, 2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex) (EPA Method 515.3)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Molinate, Thiobencarb (EPA Method 525.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Carbofuran, Oxamyl (EPA Method 531.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Glyphosate (EPA Method 547)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Endothall (EPA Method 548.1)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Diquat (EPA Method 549.2)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (Dioxin) (EPA Method 1613)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Trihalomethanes	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Haloacetic Acids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Bromate	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chlorite	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Metals (aluminum, copper, iron, manganese, silver, zinc) (included in metals above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Color and Odor (included in turbidity above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Foam agents (MBAS) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Methyl-tert-butyl ether (MTBE) (included in VOCs above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Thiobencarb (included in EPA Method 525.2 above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Constituents of Emerging Concern in Attachment C of MRP CI 10042 (Long-Term sampled annually)																
17β-Estradiol	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Caffeine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n-Nitrosodimethylamine (NDMA)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Triclosan	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
n,n-Diethyl-meta-toluamide (DEET)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Sucralose	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
Priority Pollutants listed in Attachment D of MRP CI 10042 (Long-Term sampled annually)																
Metals (antimony, arsenic, barium, beryllium, cadmium, chromium (III), copper, lead, mercury, nickel, selenium, silver, thallium, zinc) (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Chromium VI	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Cyanide (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Asbestos (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
2,3,7,8-TCDD (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Volatile Organic Compounds (EPA Method 624)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Semivolatile Organic Compounds (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Pesticides (EPA Method 625)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Polychlorinated Biphenyls (included above)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Surface Water	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring
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:
✓: Laboratory analysis completed
- : Sampling & analysis not required
[1]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	8/13/2019	> **2400**	< 1	< 0.600	< 0.900	< 0.040	= **0.098**	< 0.052	< 0.030	= **0.088**
Near Shore	Ankle Depth	N-002	8/13/2019	> **2400**	= **2**	< 0.600	< 0.900	< 0.040	= **0.038**	< 0.052	< 0.030	= **0.130**
Near Shore	Ankle Depth	N-003	8/13/2019	> **2400**	= **24**	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.866**
Near Shore	Ankle Depth	N-004	8/13/2019	= **2000**	< 1	< 0.600	< 0.900	< 0.040	< 0.010	< 0.052	< 0.030	= **0.045**
Malibu Lagoon and Creek	1 foot BSW	L-001	8/13/2019	> **2,400**	= **520**	< 0.012	< 0.360	< 0.040	= **0.021**	< 0.052	< 0.030	= **0.266**
Malibu Lagoon and Creek	1 foot BSW	L-002	8/13/2019	> **2,400**	= **29**	< 0.012	< 0.360	= **0.320**	< 0.010	= **0.324**	= **0.324**	= **0.110**
Malibu Lagoon and Creek	1 foot BSW	L-003	8/13/2019	> **2,400**	= **170**	< 0.012	< 0.360	= **0.070**	< 0.010	= **0.066**	= **0.066**	= **0.092**
Malibu Lagoon and Creek	1 foot BSW	L-004	8/13/2019	> **2,400**	= **96**	< 0.012	< 0.360	= **0.520**	= **0.020**	= **0.538**	= **0.538**	= **0.079**
Malibu Lagoon and Creek	1 foot BSW	L-005	8/13/2019	> **2,400**	= **250**	< 0.012	< 0.360	= **0.440**	= **0.070**	= **0.507**	= **0.507**	= **0.051**
Malibu Lagoon and Creek	1 foot BSW	L-006	8/13/2019	> **2,400**	= **580**	< 0.012	< 0.360	= **0.930**	= **0.017**	= **0.950**	= **0.950**	= **0.081**

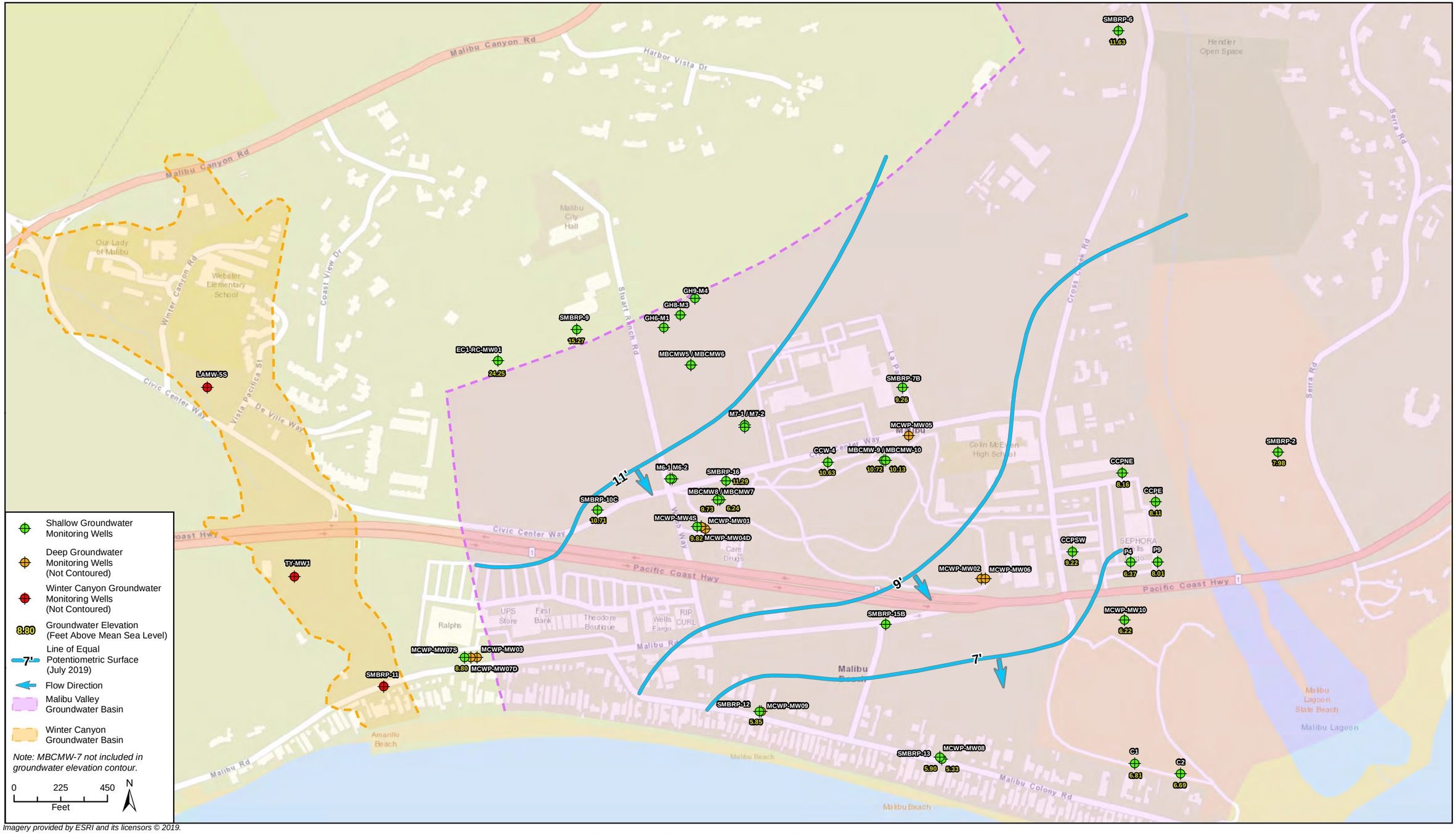
Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliters
NR : Not reported due to poor quality of culture membrane during laboratory analysis
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit

Table 4
Groundwater Analytical Results

			Coliform Bacteria (MPN/100mL)		**Inorganic Analyses** (mg/L)											
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73 feet	8/13/19	> **2,400**	= **1**	= **10.9**	< 0.018	= **10.9**	= **0.45**	= **0.081**	= **0.527**	= **11.4**	= **2.26**	= **2.26**	= **88.6**	= **582**	= **102**
SMBRP-7B	25 feet	8/15/19	= **99**	= **11**	= **2.74**	< 0.018	= **2.74**	= **0.53**	= **0.102**	= **0.631**	-	= **0.25**	-	-	= **2,760**	= **-**
SMBRP-9	45 feet	8/13/19	= **13**	< 1	= **9.19**	< 0.018	= **9.19**	= **0.34**	= **0.016**	= **0.359**	= **9.55**	= **0.087**	= **0.671**	= **315**	= **1,540**	= **190**
SMBRP-11	20 feet	8/13/19	= **86**	= **2**	= **2.88**	< 0.018	= **2.88**	= **0.29**	= **1.21**	= **1.5**	= **4.38**	= **0.295**	= **0.802**	= **243**	= **1,140**	= **232**
SMBRP-12	25 feet	8/14/19	= **1**	< 1	< 0.012	< 0.018	< 0.018	= **0.51**	= **6.39**	= **6.9**	= **6.9**	= **1.74**	= **0.929**	-	= **1,740**	= **401**
SMBRP-13	19 feet	8/15/19	= **1**	< 1	< 0.012	< 0.018	< 0.018	= **0.23**	= **0.292**	= **0.526**	-	= **0.246**	-	-	= **3,950**	= **-**
MBCMW-9	9 feet	8/15/19	= **17**	= **2**	= **0.21**	< 0.018	= **0.21**	= **0.53**	= **0.018**	= **0.545**	-	= **0.435**	-	-	= **6,150**	= **-**
MCWP-MW04S	20 feet	8/13/19	= **13**	< 1	= **1.74**	< 0.018	= **1.74**	= **0.87**	= **0.054**	= **0.923**	= **2.66**	= **0.335**	= **1.61**	= **2,510**	= **5,710**	= **578**
MCWP-MW04D	148 feet	8/13/19	= **2**	< 2	= **1.59**	< 0.018	= **1.59**	= **0.13**	< 0.01	= **0.13**	= **1.72**	= **0.07**	= **0.878**	= **530**	= **1,540**	= **228**
MCWP-MW05	154 feet	8/15/19	-	-	= **1.95**	< 0.018	= **1.95**	-	-	-	-	-	-	-	= **1,350**	= **-**
MCWP-MW06	138 feet	8/15/19	-	-	= **0.1**	< 0.018	= **0.1**	-	-	-	-	-	-	-	= **1,470**	= **-**
MCWP-MW07S	20 feet	8/14/19	= **35**	< 1	= **2.83**	< 0.018	= **2.83**	= **0.06**	= **0.329**	= **0.389**	= **3.22**	= **0.065**	= **0.432**	-	= **1,080**	= **208**
MCWP-MW07D	130 feet	8/14/19	= **7**	< 1	= **0.1**	< 0.018	= **0.1**	= **0.09**	= **0.172**	= **0.26**	= **0.36**	= **0.126**	= **0.597**	-	= **2,240**	= **349**
MCWP-MW09	95 feet	8/14/19	= **4**	< 1	< 0.012	< 0.018	< 0.018	= **0.05**	= **1.95**	= **2**	= **2**	= **0.233**	= **0.874**	-	= **1,900**	= **509**
MCWP-MW10	22 feet	8/15/19	= **4,000**	< 2	= **0.26**	-	-	< 0.04	< 0.01	< 0.052	-	= **0.058**	-	-	= **1,830**	= **-**
CCPE	52 feet	8/15/19	> **2,400**	= **60**	= **0.31**	< 0.018	= **0.31**	= **1.60**	= **2.9**	= **4.5**	-	= **0.706**	-	-	= **976**	= **-**

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: Milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliter
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit

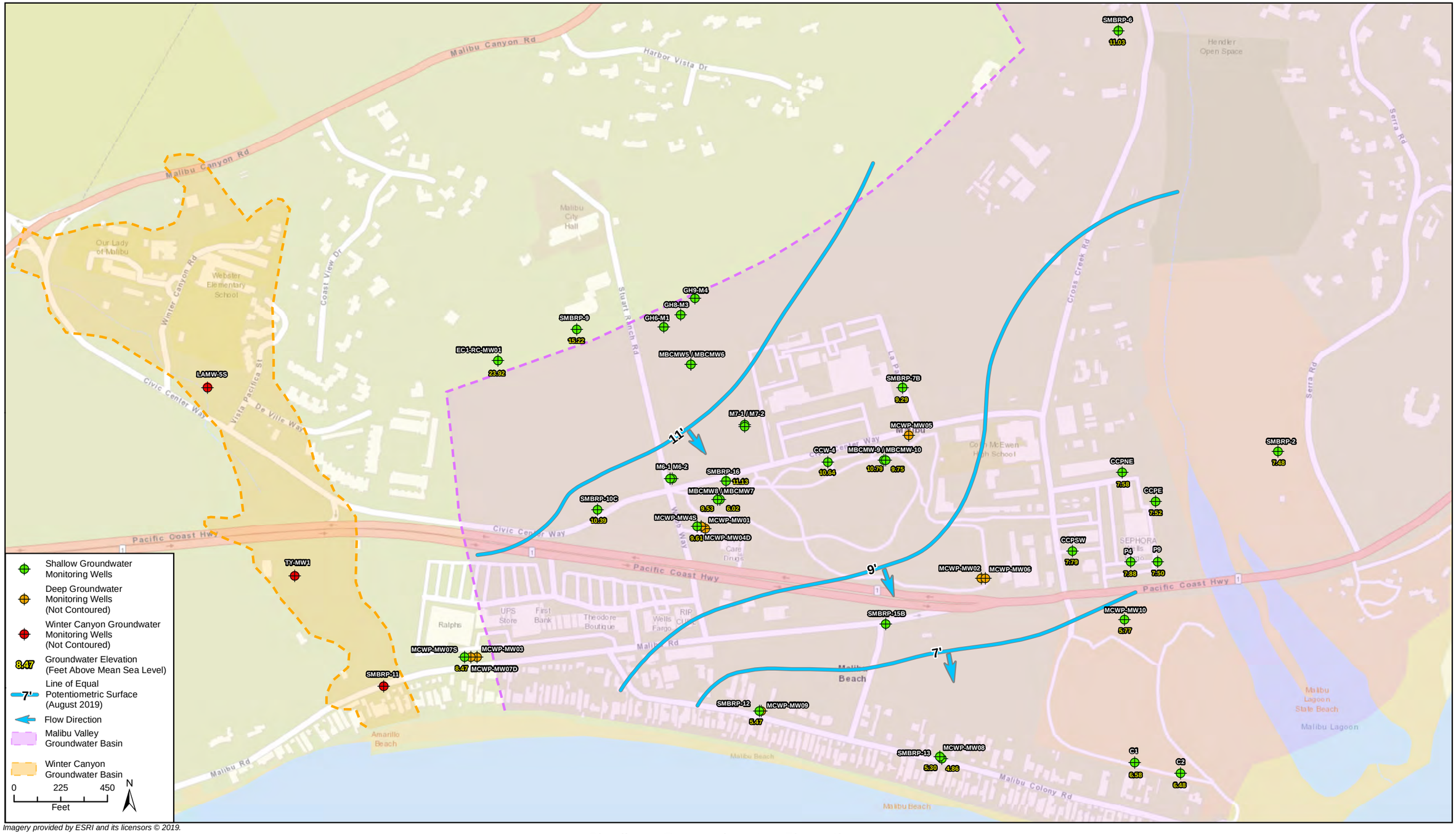
Figures



Imagery provided by ESRI and its licensors © 2019.

Shallow Groundwater Elevation
July 2019

Figure 3



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Shallow Groundwater Elevation
August 2019

Figure 4



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Shallow Groundwater Elevation
September 2019

Figure 5

Appendix A

Groundwater and Surface Water Field Sheets

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 8/12/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1150	4.89	
C-2	14.5	2	1153	4.71	
CCPE	52	2	1212	5.42	Total depth = 52.4
CCPNE		2	1218	6.10	
CCPSW		2	1225	5.88	
CCW-4		1	1213	5.13	
GH6-M1	35	2	1154	26.1	
GH8-M3	40	2	1200	25.02	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	NA
LAMW-5S	74	4	840	50.4	Total depth = 74.28
M6-1	45	2	1205	5.7	
M6-2	20	2	1206	4.65	
M7-1	40	2	1146	7.0	
M7-2	25	2	1147	6.4	
MBCMW-5	19.4	n/a	—	—	BURIED
MBCMW-6	64.26	n/a	—	—	"
MBCMW-7	52.5	2	1136	10.62	
MBCMW-8	10	2	1135	7.0	
MBCMW-9	9	2	1224	6.92	Total depth = 9.27
MBCMW-10	53	2	1221	7.99	
MCWP-MW01	148	6	1115	9.56	
MCWP-MW02	145	6	1238	10.25	
MCWP-MW03	134	6	1250	7.36	
MCWP-MW04D	145	4	1117	8.72	Total depth = 148.0
MCWP-MW04S	20	4	1408	5.68	Total depth = 20.25
MCWP-MW05	150	4	1232	7.08	Total depth = 151.95
MCWP-MW06	137	2	1232	9.30	Total depth = 137.25
MCWP-MW07D	134	2	1253	7.26	Total depth = 129.5
MCWP-MW07S	20	2	1254	5.25	Total depth = 17.02
MCWP-MW08	77	2	1305	7.35	
MCWP-MW09	89	2	1255	5.50	Total depth = 89.75
MCWP-MW10	22	2	1138	5.34	Total depth = 22.1
P-4	12.5	4	1205	4.28	
P-9	14.3	4	1208	4.67	
SMBRP-2	25	2	1330	5.65	
SMBRP-6	25	2	1320	15.85	
SMBRP-7b	25	2	1238	9.7	Total depth = 24.88
SMBRP-8 (EG-RC MW01)	60	4	830	24.77	
SMBRP-9	45	2	735	35.1	Total depth = 44.98
SMBRP-10C	25	2	830	5.86	
SMBRP-11	20	2	1310	8.2	Total depth = 24.58
SMBRP-12	25	2	1253	7.15	Total depth = 24.58
SMBRP-13	20	2	1145	8.28	Total depth = 19.4
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1130	3.37	

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/12/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-55
Observation Period	Start: 0840 Stop: 1000	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	70
Well Diameter (in)	4	Depth of Well (ft)	74.28
Initial/Static Depth to Water (ft)	50.4	Length of Water Column (ft)	23.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	15.5	Three Casing Volumes (gal)	46.5
Purge Time, Start	1004	Purge Time, Stop	1045
Total Purge Time (minutes)	41	Purge Rate (gpm)	0.6
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	50.33

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	15.5	~~31~~ 25	46.5				At Sampling
Temperature (C)	22.0	22.3	22.3	* Spike in turbidity				22.0
pH	6.7	6.67	6.77	Stopped purge to prevent				6.66
Conductivity (µS)	1087	1070	1153	pump clogging				1051
Dissolved Oxygen (mg/L)	1.86	2.62	3.59					3.09
Dissolved Oxygen (%)	22.5	30.4	41.4	Slow recharge				30.5
TDS ~~(ppm)~~ (ppt)	0.44	0.43	0.43					0.40
Turbidity (NTU)	976	763	13365					953

Depth to Water at End of Purge (ft): 66.45 Drawdown (ft): 16.05

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 8/13/19 1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

50.4 + 0.2 * 16.05 = 66.45

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/12/19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1215 Stop: 1325	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	17
Well Diameter (in)	2	Depth of Well (ft)	20.0
Initial/Static Depth to Water (ft)	8.24	Length of Water Column (ft)	11.8
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.89	Three Casing Volumes (gal)	5.66
Purge Time, Start	1455	Purge Time, Stop	1510
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.4
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.24

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	24.5	22.6	22.2	22.2				23.8
pH	6.69	6.95	7.02	7.07	Slow			7.10
Conductivity (µS)	2561	2450	2518	2202	Recharge			2261
Dissolved Oxygen (mg/L)	2.77	3.35	4.07	5.76				5.57
Dissolved Oxygen (%)	33.6	39.4	47.7	66.1				65.3
TDS ~~(ppm)~~ (ppt)	0.87	0.83	0.85	0.79				0.80
Turbidity (NTU)	4.2	383	588	1565				7.18

Depth to Water at End of Purge (ft): 17.64 Drawdown (ft): 9.44

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 8/13/19 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.24 + 0.2 * 9.44 = 10.13

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/12/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1408 Stop: 1445	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico NAVARRO	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	17
Well Diameter (in)	4	Depth of Well (ft)	20.25
Initial/Static Depth to Water (ft)	5.68	Length of Water Column (ft)	14.57
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.47	Three Casing Volumes (gal)	28.41
Purge Time, Start	1424	Purge Time, Stop	1434
Total Purge Time (minutes)	10	Purge Rate (gpm)	1.2
Purge Volume (gal)	12	Depth to Water (ft) at Sampling	6.3

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9.5	19	28.5				At Sampling
Temperature (C)	28.7	27.0	Dewatered					24.2
pH	7.24	7.13	@ 12 gallons					7.3
Conductivity (µS)	9645	7895						8825
Dissolved Oxygen (mg/L)	2.94	2.47						3.14
Dissolved Oxygen (%)	37.8	31.2						38.8
TDS (ppm)	2.96	2.47						2.82
Turbidity (NTU)	7.8	6.6						16.8

Depth to Water at End of Purge (ft)	17.64	Drawdown (ft)	11.96

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Sunny & Clear

Comments: Sampled Time: 8/13/19 1145

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.68 + 0.2 * 11.96 = 8.07

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/13/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW04D
Observation Period Start: 0815 Stop:	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ NICO NAVARRO	Witnessed By: MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	140
Well Diameter (in)	4	Depth of Well (ft)	148.15
Initial/Static Depth to Water (ft)	8.77	Length of Water Column (ft)	139.38
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	90.6	Three Casing Volumes (gal)	271.8
Purge Time, Start	0830	Purge Time, Stop	1050
Total Purge Time (minutes)	140	Purge Rate (gpm)	1.94
Purge Volume (gal)	272	Depth to Water (ft) at Sampling	8.77

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	91	181.5	272				At Sampling
Temperature (C)	22.1	20.8	20.7	20.8				←
pH	6.99	6.97	6.98	7.06				←
Conductivity (µS)	2302	2291	2216	2455				←
Dissolved Oxygen (mg/L)	2.59	1.81	2.09	2.27				←
Dissolved Oxygen (%)	29.7	20.3	23.4	24.2				←
TDS (ppm)	0.80	0.84	0.85	0.86				←
Turbidity (NTU)	0	0	0	0				←

Depth to Water at End of Purge (ft): 8.77 Drawdown (ft): Ø

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1115

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.77 + 0.2 * 0 = 8.77

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/13/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 9
Observation Period	Start: 0730 Stop: 0813	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	40
Well Diameter (in)	2	Depth of Well (ft)	44.98
Initial/Static Depth to Water (ft)	35.1	Length of Water Column (ft)	9.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.58	Three Casing Volumes (gal)	4.74
Purge Time, Start	0745	Purge Time, Stop	0813
Total Purge Time (minutes)	28	Purge Rate (gpm)	0.18
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	35.1

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	3.5	5.0				At Sampling
Temperature (C)	21.5	21.8	22.0	21.8				21.7
pH	6.96	7.05	7.05	7.2				7.01
Conductivity (µS)	2880	2920	2973	2947				3007
Dissolved Oxygen (mg/L)	2.3	2.56	2.14	3.12				3.03
Dissolved Oxygen (%)	26.2	29.4	24.7	38.5				36.2
TDS (ppm)	1.07	1.07	1.07	1.06				1.02
Turbidity (NTU)	370.8	740.7	1977.0	2440				6.86

Depth to Water at End of Purge (ft)	35.5	Drawdown (ft)	0.4

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast

Comments: Sampled Time: 0830

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.1 + 0.2 * 0.4 = 35.14

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/14/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW06
Observation Period Start: 0753 Stop: 0930	Survey Reference Point: TOC
Sampled By: Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	ELECTRIC SUB.	Pump Inlet Depth (ft)	128
Well Diameter (in)	2	Depth of Well (ft)	137.5
Initial/Static Depth to Water (ft)	9.42	Length of Water Column (ft)	128.08
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.49	Three Casing Volumes (gal)	61.47
Purge Time, Start	0830	Purge Time, Stop	0858
Total Purge Time (minutes)	28	Purge Rate (gpm)	2.2
Purge Volume (gal)	61.5	Depth to Water (ft) at Sampling	9.42

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	20.5	41.0	61.5				At Sampling
Temperature (C)	19.8	19.8	19.9	20.1			←	
pH	7.28	7.29	7.31	7.29			←	
Conductivity (µS)	1974	2416	2276	2270			←	
Dissolved Oxygen (mg/L)	1.71	2.43	2.00	1.80			←	
Dissolved Oxygen (%)	19.0	27.5	25.0	22.1			←	
TDS ~~(ppm)~~ (ppt)	0.78	0.92	0.86	0.86			←	
Turbidity (NTU)	2.89	9.23	4.30	4.28			←	

Depth to Water at End of Purge (ft): 9.42 | Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Partly Cloudy

Comments: Sampled Time: 900

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.42 + 0.2 * 0 = 9.42

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/14/19 MCWP-
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-~~MW07D~~S MW07S
Observation Period	Start: 800 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NICO NAVARRO	Witnessed By:	MICHELLE CARTER

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	14
Well Diameter (in)	2	Depth of Well (ft)	17.02
Initial/Static Depth to Water (ft)	5.25	Length of Water Column (ft)	11.77
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.88	Three Casing Volumes (gal)	5.65
Purge Time, Start	830	Purge Time, Stop	842
Total Purge Time (minutes)	12	Purge Rate (gpm)	0.5
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	7.0

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	6.0				At Sampling
Temperature (C)	20.3	20.7	20.1	22.7				←
pH	7.19	7.24	7.3	7.4				←
Conductivity (µS)	2006	1951	1911	2199				←
Dissolved Oxygen (mg/L)	1.54	1.64	5.03	4.94				←
Dissolved Oxygen (%)	17.1	18.2	55.7	57.2				←
TDS (ppm)	0.77	0.73	0.72	0.75				←
Turbidity (NTU)	14.6	11.1	24.4	103				←

Depth to Water at End of Purge (ft): 15 Drawdown (ft): 9.38

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Cloudy

Comments: Sampled Time: 0845

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.25 + 0.2 * 9.38 = 7.12

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8/14/19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07D
Observation Period Start: 800 Stop: 915	Survey Reference Point: TOC
Sampled By: Nico Navarro	Witnessed By: Michelle Carter

PURGING DATA

Type of Pump	ELECTRIC SUB	Pump Inlet Depth (ft)	60
Well Diameter (in)	2	Depth of Well (ft)	129.5
Initial/Static Depth to Water (ft)	7.25	Length of Water Column (ft)	122.25
Product Thickness (ft)	~~19.56~~	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.56	Three Casing Volumes (gal)	58.6
Purge Time, Start	810	Purge Time, Stop	840
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.95
Purge Volume (gal)	58.6	Depth to Water (ft) at Sampling	6.93

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.6	39	58.6				At Sampling
Temperature (C)	21.0	21.1	21.2	21.2			←	
pH	7.28	7.06	7.09	7.16			←	
Conductivity (µS)	2609	3199	3328	3150			←	
Dissolved Oxygen (mg/L)	1.18	1.24	1.23	1.11			←	
Dissolved Oxygen (%)	13.4	14.0	14.0	12.6			←	
TDS ~~(ppm)~~ (ppt)	0.88	1.08	1.10	1.13			←	
Turbidity (NTU)	~~1465~~	~~10400~~ 11.6	6.10	2.54			←	
Depth to Water at End of Purge (ft)				6.7		Drawdown (ft)	~~0.55~~ -0.55 ↳ 0	

Negative Drawdown

Comments: Errant Turbidity measurement on YSI, used ~~Hanna meter~~ LaMotte

MISCELLANEOUS DATA

Condition of Traffic Box: ~~Erro~~

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLOUDY

Comments: Sampled Time: 0830, 845

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 * 0 = 7.25

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8.14.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1100 Stop: 1300	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NN	Witnessed By:	

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	45
Well Diameter (in)	2	Depth of Well (ft)	89.75
Initial/Static Depth to Water (ft)	5.50	Length of Water Column (ft)	84.25
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.48	Three Casing Volumes (gal)	40.44
Purge Time, Start	1130	Purge Time, Stop	1200
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.35
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	5.6

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27	40.5				At Sampling
Temperature (C)	22.8	22.1	21.8	21.7			←	
pH	7.60	7.34	7.31	7.31			←	
Conductivity (µS)	3563	3643	3637	3655			←	
Dissolved Oxygen (mg/L)	1.95	1.23	1.07	1.12			←	
Dissolved Oxygen (%)	23.5	14.3	12.3	12.9			←	
~~TDS (ppm)~~ (ppt)	1.20	1.22	1.22	1.22			←	
Turbidity (NTU)	62	17.9	9.29	7.66			←	

Depth to Water at End of Purge (ft): 5.6 | Drawdown (ft): 0.10

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.50 + 0.2 * 0.1 = 5.52

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/14/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1120 Stop: 1300	Survey Reference Point:	TOC
Sampled By:	Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Electric Sub.	Pump Inlet Depth (ft)	20
Well Diameter (in)	2	Depth of Well (ft)	24.7
Initial/Static Depth to Water (ft)	7.1	Length of Water Column (ft)	17.6
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.8	Three Casing Volumes (gal)	8.4
Purge Time, Start	1140	Purge Time, Stop	1145
Total Purge Time (minutes)	5	Purge Rate (gpm)	1.7
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.1

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	5.5	8.5				At Sampling
Temperature (C)	24.3	23.6	23.7	23.3			←	
pH	7.05	7.06	7.04	7.06			←	
Conductivity (µS)	3235	2946	3150	3230			←	
Dissolved Oxygen (mg/L)	1.12	1.08	0.94	1.21			←	
Dissolved Oxygen (%)	13.7	13.0	11.2	14.3			←	
TDS (ppm)	1.10	1.01	1.09	1.09			←	
Turbidity (NTU)	756 (AU)	14.1	10.3	6.02			←	

Depth to Water at End of Purge (ft): 7.1 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: clear

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.1 + 0.2 * 0 = 7.1

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/15/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 0730 Stop: ~~0800~~ 0845	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	7
Well Diameter (in)	2	Depth of Well (ft)	9.27
Initial/Static Depth to Water (ft)	6.92	Length of Water Column (ft)	2.35
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.38	Three Casing Volumes (gal)	1.13
Purge Time, Start	0745	Purge Time, Stop	0750
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.1
Purge Volume (gal)	0.5	Depth to Water (ft) at Sampling	6.9

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	0.5	1.0	1.5				At Sampling
Temperature (C)	22.6	Dewatered @ 0.5 gallons						22.0
pH	6.49	*/Insufficient water for parameter						6.4
Conductivity (µS)	8300							8325
Dissolved Oxygen (mg/L)	3.0							2.8
Dissolved Oxygen (%)	35.1							35.0
TDS (ppm)	2.82							2.79
Turbidity (NTU)	11.0							11.7

Depth to Water at End of Purge (ft): 9.0 Drawdown (ft): 2.08

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled Time: 830

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.92 + 0.2 * 2.08 = 7.48

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date: ~~MCWP-MW05~~	8.15.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW05
Observation Period	Start: 800 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	145
Well Diameter (in)	4	Depth of Well (ft)	151.95
Initial/Static Depth to Water (ft)	7.08	Length of Water Column (ft)	144.87
Product Thickness (ft)		Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	94.17	Three Casing Volumes (gal)	282.50
Purge Time, Start	815	Purge Time, Stop	1015
Total Purge Time (minutes)	120	Purge Rate (gpm)	2.36
Purge Volume (gal)	283	Depth to Water (ft) at Sampling	7.04

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	95	188.5	282.0				At Sampling
Temperature (C)	23.1	22.5	19.9	20.8				
pH	7.19	7.14	7.12	7.05				
Conductivity (µS)	2209	2213	2213	2213				
Dissolved Oxygen (mg/L)	3.19	2.44	2.00	1.15				
Dissolved Oxygen (%)	37.4	28.3	22.1	13.2				
TDS ~~(ppm)~~ (ppt)	0.77	0.76	0.76	0.76				
Turbidity (NTU)	2.81	2.46	2.72	1.59				

Depth to Water at End of Purge (ft)	7.04	Drawdown (ft)	—

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.08 + 0.2 * Ø = 7.08

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.15.19
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-7B
Observation Period Start: 915 Stop: 1100	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ ~~Peter~~ Jack Weil	Witnessed By: Nico Navarro

PURGING DATA

Type of Pump	Hand bail	Pump Inlet Depth (ft)	22
Well Diameter (in)	2	Depth of Well (ft)	~~25~~ 24.88
Initial/Static Depth to Water (ft)	9.7	Length of Water Column (ft)	15.18
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.43	Three Casing Volumes (gal)	7.29
Purge Time, Start	930	Purge Time, Stop	945
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.5
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	8.40

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.5	5.0	7.5				At Sampling
Temperature (C)	23.2	22.9	23.2	22.9			←	
pH	6.96	6.94	6.93	6.95			←	
Conductivity (µS)	1299	1842	2945	3685			←	
Dissolved Oxygen (mg/L)	2.16	2.08	2.26	1.96			←	
Dissolved Oxygen (%)	25.5	24.4	26.8	23.1			←	
TDS ~~(ppm)~~ (ppt)	0.46	0.64	0.98	1.22			←	
Turbidity (NTU)	2.2	20.8	46.8	71.7			←	

Depth to Water at End of Purge (ft): 8.40 Drawdown (ft): -1.3 . Ø drawdown

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.7 + 0.2 * Ø = ~~9.96~~ 9.7

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date: ~~MCWP-MW10~~ 8.15.19	
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW10
Observation Period	Start: 1050 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ NICO NAVARRO	Witnessed By:	PETER ~~Will~~ WEIL

PURGING DATA

Type of Pump	6 HAND BAIL	Pump Inlet Depth (ft)	18
Well Diameter (in)	2	Depth of Well (ft)	22.1
Initial/Static Depth to Water (ft)	5.34	Length of Water Column (ft)	16.86
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.1
Purge Time, Start	1100	Purge Time, Stop	1115
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.57
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	5.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	8.5				At Sampling
Temperature (C)	24.3	22.1	21.9	21.9			←	
pH	7.22	6.95	6.87	6.87			←	
Conductivity (µS)	1708	3172	3244	3202			←	
Dissolved Oxygen (mg/L)	1.28	2.43	1.44	1.25			←	
Dissolved Oxygen (%)	15.9	28.1	16.6	14.2			←	
TDS ~~(ppm)~~ (ppt)	0.60	1.05	1.09	1.08			←	
Turbidity (NTU)	2.67	37.1	16.7	8.45			←	

Depth to Water at End of Purge (ft)	5.4	Drawdown (ft)	0.06

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1130

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.34 + 0.2 * 0.06 = 5.35

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	8/15/19
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-13
Observation Period	Start: 1115 Stop: 1245	Survey Reference Point:	TOC
Sampled By:	~~Peter Doran~~ Nico Navarro	Witnessed By:	Michelle Carter

PURGING DATA

Type of Pump	Electric Sub.	Pump Inlet Depth (ft)	16
Well Diameter (in)	2	Depth of Well (ft)	19.4
Initial/Static Depth to Water (ft)	8.28	Length of Water Column (ft)	11.12
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.77	Three Casing Volumes (gal)	5.33
Purge Time, Start	11:45	Purge Time, Stop	11:50
Total Purge Time (minutes)	5	Purge Rate (gpm)	1.2
Purge Volume (gal)	6	Depth to Water (ft) at Sampling	8.28

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2	4	6				At Sampling
Temperature (C)	24.2	22.6	22.5	22.2			←	
pH	6.88	6.85	6.83	6.83			←	
Conductivity (µS)	6629	6829	7220	6860			←	
Dissolved Oxygen (mg/L)	2.16	1.7	1.71	1.37			←	
Dissolved Oxygen (%)	28.3	20.0	18.7	17.3			←	
TDS (ppm)	2.18	2.3	2.32	2.34			←	
Turbidity (NTU)	24.8	10.28	5.34	2.22			←	

Depth to Water at End of Purge (ft)	8.2	Drawdown (ft)	0.0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	

Comments: Sampled Time: 1215 8/15/19

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.28 + 0.2 * 0 = 8.28

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 8.15.19
Project/Location Malibu, CA Civic Center Area	Well Number: CCPE
Observation Period Start: 1145 Stop: 1315	Survey Reference Point: TOC
Sampled By: ~~Peter Doran~~ Nico Navarro	Witnessed By: ~~Peter Doran~~ Jack Weil

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	45
Well Diameter (in)	2	Depth of Well (ft)	52.4
Initial/Static Depth to Water (ft)	5.42	Length of Water Column (ft)	46.98
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.52	Three Casing Volumes (gal)	22.55
Purge Time, Start	1215	Purge Time, Stop	1230
Total Purge Time (minutes)	30	Purge Rate (gpm)	0.77
Purge Volume (gal)	23	Depth to Water (ft) at Sampling	5.4

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	8.0	15.5	23.0				At Sampling
Temperature (C)	25.1	23.9	22.7	21.7			←	—
pH	6.84	6.91	6.83	6.87			←	—
Conductivity (µS)	14840	9432	9430	9166			←	—
Dissolved Oxygen (mg/L)	1.85	2.00	1.59	2.06			←	—
Dissolved Oxygen (%)	25.1	24.1	18.8	24.9			←	—
TDS ~~(ppm)~~ ppt	4.59	3.05	3.13	3.11			←	—
Turbidity (NTU)	26.6	12.5	7.21	4.32			←	—

Depth to Water at End of Purge (ft): 5.4 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions:

Comments: Sampled Time: 1245

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.42 + 0.2 * 0 = 5.42

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 7/22/19	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1436	4.66	
C-2	14.5	2	1435	4.50	
CCPE	52	2	1303	4.83	
CCPNE		2	1453	5.52	
CCPSW		2	1408	4.45	
CCW-4		1	1218	5.14	
GH6-M1	35	2	1105	25.80	
GH8-M3	40	2	1108	24.74	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	N/A
LAMW-5S	74	4	1140	49.58	
M6-1	45	2	~~1113~~	~~6.90~~	Time: 1117 DEPTH: 5.47
M6-2	20	2	~~1114~~	~~6.45~~	" : 1118 " : 4.61
M7-1	40	2	1113	6.90	
M7-2	25	2	1114	6.45	
MBCMW-5	19.4	n/a	—	—	UNABLE TO LOCATE
MBCMW-6	64.26	n/a	—	—	" " "
MBCMW-7	52.5	2	1200	10.40	
MBCMW-8	10	2	1202	6.80	
MBCMW-9	9	2	1222	6.99	
MBCMW-10	53	2	1223	7.61	
MCWP-MW01	148	6	1150	9.30	
MCWP-MW02	145	6	1502	9.83	
MCWP-MW03	134	6	1511	6.58	
MCWP-MW04D	145	4	1152	8.51	
MCWP-MW04S	20	4	1153	5.47	
MCWP-MW05	150	4	1225	6.65	
MCWP-MW06	137	2	1500	8.80	
MCWP-MW07D	134	2	1510	6.50	
MCWP-MW07S	20	2	1508	4.92	
MCWP-MW08	77	2	1533	6.88	
MCWP-MW09	89	2	1524	4.91	
MCWP-MW10	22	2	1424	4.89	
P-4	12.5	4	1255	5.79	
P-9	14.3	4	1259	4.16	
SMBRP-2	25	2	1247	5.15	
SMBRP-6	25	2	1238	15.25	
SMBRP-7b	25	2	1211	9.73	
SMBRP-8 (EG-RC MW01)	60	4	1057	24.44	
SMBRP-9	45	2	1052	35.05	
SMBRP-10C	25	2	1133	5.54	
SMBRP-11	20	2	1541	7.93	
SMBRP-12	25	2	1523	6.77	
SMBRP-13	20	2	1530	7.68	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1157	3.21	

GATE CODE: 6432

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 8/13/19 Sampled By: Jaime McClain

Jan-Mar Apr-Jun (July-Sep) Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions

General Wind Conditions
2 kt wind, overcast, 65-75 °F

Daily Tides: **Low** Time: 14:45 Feet: 2.2 Ft. **High** Time: 09:54 Feet: 4.1 Ft.

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	1130	calm	clear	clear	none	none	none	Y
N-002	1140	calm	clear	clear	none	none	none	Y
N-003	1150	calm	clear	clear	none	none	none	Y
N-004	1015	calm	clear	clear	none	none	none	Y
L-001	1040	N/A	cloudy	brown	none	none	none	Y
L-002	1230	N/A	cloudy	light brown	none	none	none	Y
L-003	1055	N/A	cloudy	light brown	none	none/ garbage	none	Y
L-004	1110	N/A	cloudy	light green	none	none/ algae	none	Y
L-005	1200	calm	~~cloudy~~ clear	~~brown~~ clear	none	none	12/ cormorants seagulls pelicans shorebirds	Y
L-006	1118	N/A	cloudy	light green	none	none/ algae	none	Y

* Lagoon was very high in water level/flooded. generally water quality seemed better than usual.

Appendix B

Laboratory Analytical Reports

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Ground Water
15-01587

Lab Request: 418266
Report Date: 09/05/2019
Date Received: 08/13/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418266-001	LAMW-5S
418266-002	SMBRP-9
418266-003	SMBRP-11
418266-004	MCWP-MW04S
418266-005	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

PRELIMINARY

Please use the data with caution as the results are preliminary and they have not undergone complete QC validation and/or second party review. The data is subject to change upon final review.

Preliminary report generated by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

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Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:30	**Site:**			
Sample #:	**418266-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.45 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**11.4**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.346**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**79.4**	1	0.093	0.1	mg/L		08/20/19	KLN	
Copper	**0.032**	1	0.008	0.01	mg/L		08/15/19	KLN	
Iron	**0.452**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**26.6**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.016**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.19**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**85.9**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	**220**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**3.83 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**28.1 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**9.91 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**6.06**	10	1.86	5	ug/L		08/15/19	JP	
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**22.2**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	ND	10	1.72	20	ug/L		08/15/19	JP	D2
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**102**	1	0.086	1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrate + Nitrite, as Nitrogen	**10.9**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrate, as Nitrogen	**10.9**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:04	CO	
Sulfate	**88.6**	1	0.077	1	mg/L	08/13/19	08/14/19 11:04	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:30	**Site:**			
Sample #:	**418266-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	1	0.303	2	ug/L		08/14/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/14/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/14/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/14/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/14/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromodichloromethane	**0.31 J**	1	0.27	0.5	ug/L		08/14/19	LZ	J
Bromoform	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/14/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/14/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/14/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/14/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/14/19	LZ	
Chloroform	**17**	1	0.17	0.5	ug/L		08/14/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/14/19	LZ	
Methylene chloride	**2.4**	1	0.5	0.5	ug/L		08/14/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/14/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/14/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/14/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/14/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*109*	*70-145*	
Dibromofluoromethane (SUR)	*101*	*70-145*	
Toluene-d8 (SUR)	*108*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:30 **Site:**
Sample #: 418266-001 **Client Sample #:** LAMW-5S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 531.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 547 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 548.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 549.2 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 552.2 Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 624 Prep Method: 5030B							QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/14/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/14/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/14/19	LZ	
Surrogate	*% Recovery*		*Limits*	*Notes*					
1,2-Dichloroethane-d4 (SUR)	*93*		*70-135*						
4-Bromofluorobenzene (SUR)	*109*		*70-135*						
Dibromofluoromethane (SUR)	*101*		*70-135*						
Toluene-d8 (SUR)	*108*		*70-135*						
Method: EPA 625 Prep Method: See Attached							QCBatchID:		
See Attached		1							
Method: EPA 900.0 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 903.1 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 904.0 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 905.0 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 906.0 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: EPA 908.0 Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1205349
Turbidity	**11**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B Prep Method: Method							QCBatchID:		QC1205552
Bicarbonate (HCO3)	**260**	1	5	5	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	1	5	5	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	1	5	5	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**210**	1	0.38	5	mg/L		08/17/19	WW	
Method: SM 2330B Prep Method: Method							QCBatchID:		QC1205859
CCPP	**-0.34**	1					08/26/19	SLL	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205442
Total Dissolved Solids	**582**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1205470
Total Suspended Solids	**9.4**	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

PRELIMINARY RESULTS

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:30	**Site:**			
Sample #:	**418266-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.341**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**6.99**	1			pH Units	08/14/19 00:00	08/14/19 10:58		T2
Temp. at Time of pH Measurement	**12.4**	1			°C	08/14/19 00:00	08/14/19 10:58		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.081 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.527**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**2.26**	5	0.05	0.1	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**6.93**	5	0.15	0.3	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**7.72**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.33**	1	0.007	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**1.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: 418266-002 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.34 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**9.55**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.671**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**66.8**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**23.5**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**173**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.468**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.96**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**386**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	**11300**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**8.47 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**106**	10	6.1	50	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**30.9**	10	1.18	10	ug/L		08/15/19	JP	
Copper	**17.5**	10	1.86	5	ug/L		08/15/19	JP	
Lead	**8.16**	10	0.84	5	ug/L		08/15/19	JP	
Nickel	**21.3**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**3.80 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	**18.1**	10	6.98	10	ug/L		08/15/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**190**	20	1.72	20	mg/L	08/13/19	08/23/19 01:20	CO	
Nitrate + Nitrite, as Nitrogen	**9.19**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Nitrate, as Nitrogen	**9.19**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:24	CO	
Sulfate	**315**	20	1.54	20	mg/L	08/13/19	08/23/19 01:20	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 08:30	**Site:**			
Sample #:	**418266-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	2	0.606	4	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/14/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/14/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/14/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/14/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/14/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/14/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/14/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/14/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/14/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/14/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/14/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/14/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/14/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/14/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/14/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/14/19	LZ	
Methylene chloride	**2.7**	1	0.5	0.5	ug/L		08/14/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/14/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/14/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/14/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/14/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/14/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/14/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/14/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/14/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

PRELIMINARY RESULTS

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 08:30 **Site:**
Sample #: 418266-002 **Client Sample #:** SMBRP-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/14/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/14/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/14/19	LZ	
Surrogate	*% Recovery*		*Limits*		*Notes*				
1,2-Dichloroethane-d4 (SUR)	*94*		*70-135*						
4-Bromofluorobenzene (SUR)	*107*		*70-135*						
Dibromofluoromethane (SUR)	*105*		*70-135*						
Toluene-d8 (SUR)	*105*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**300**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**1100**	10	50	50	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	10	50	50	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	10	50	50	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**860**	10	3.8	50	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.22**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1540**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**704**	10	5	5	mg/L	08/14/19	08/14/19	NP	

PRELIMINARY RESULTS

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 08:30	**Site:**			
Sample #:	**418266-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**1.22**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.16**	1			pH Units	08/14/19 00:00	08/14/19 11:00		T2
Temp. at Time of pH Measurement	**12.5**	1			°C	08/14/19 00:00	08/14/19 11:00		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.016 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.359 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.087**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.267**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**6.03**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.014 J**	1	0.007	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**13**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:00	**Site:**			
Sample #:	**418266-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.29 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**4.38**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.802**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**141**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**8.31**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**61.2**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**1.36**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**5.89**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**208**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	**4150**	10	33	100	ug/L		08/15/19	JP	
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	**2.64 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**87.2**	10	6.1	50	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**11.4**	10	1.18	10	ug/L		08/15/19	JP	
Copper	**9.60**	10	1.86	5	ug/L		08/15/19	JP	
Lead	**2.44 J**	10	0.84	5	ug/L		08/15/19	JP	J
Nickel	**24.5**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**4.70 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**232**	20	1.72	20	mg/L	08/13/19	08/23/19 01:46	CO	
Nitrate + Nitrite, as Nitrogen	**2.88**	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Nitrate, as Nitrogen	**2.88**	1	0.012	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 11:44	CO	
Sulfate	**243**	20	1.54	20	mg/L	08/13/19	08/23/19 01:46	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:00	**Site:**			
Sample #:	**418266-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	1	0.303	2	ug/L		08/14/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	**0.46 J**	1	0.17	0.5	ug/L		08/15/19	LZ	J
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	ND	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*106*	*70-145*	
Toluene-d8 (SUR)	*106*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 13:00 **Site:**
Sample #: 418266-003 **Client Sample #:** SMBRP-11 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
Glyphosate	**See Attached**	1		25	ug/L				
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
Endothall	**See Attached**	1		45	ug/L				
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*106*	*70-135*	
Toluene-d8 (SUR)	*106*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**240**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**390**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**320**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.02**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1140**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470

PRELIMINARY RESULTS

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 13:00	**Site:**			
Sample #:	**418266-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Total Suspended Solids	**286**	10	5	5	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1205463
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID:		QC1205643
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C Prep Method: Method							QCBatchID:		QC1205378
Fluoride	**0.522**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205372
pH	**6.97**	1			pH Units	08/14/19 00:00	08/14/19 11:03		T2
Temp. at Time of pH Measurement	**12.6**	1			°C	08/14/19 00:00	08/14/19 11:03		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**1.21**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205550
Total Kjeldahl Nitrogen	**1.5**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205707
Total Phosphorous as P	**0.295**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.904**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1205571
Total Organic Carbon (TOC)	**14.5**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1205484
MBAS	**0.033 J**	1	0.007	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**86**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 11:45	**Site:**			
Sample #:	**418266-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.87**	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.66**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**1.61**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**488**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.149**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**260**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.202**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**1.61**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**804**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	**67.0 J**	10	33	100	ug/L		08/15/19	JP	J
Antimony	**3.73 J**	10	2.28	5	ug/L		08/15/19	JP	B1,J
Arsenic	**12.9 J**	10	1.88	20	ug/L		08/15/19	JP	B1,J
Barium	**15.7 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**4.41 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**17.8**	10	1.86	5	ug/L		08/15/19	JP	
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**27.3**	10	5.49	10	ug/L		08/15/19	JP	
Selenium	**143**	10	1.72	20	ug/L		08/15/19	JP	
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**578**	20	1.72	20	mg/L	08/13/19	08/23/19 02:12	CO	
Nitrate + Nitrite, as Nitrogen	**1.74**	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Nitrate, as Nitrogen	**1.74**	1	0.012	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:04	CO	
Sulfate	**2510**	50	3.85	50	mg/L	08/13/19	08/23/19 12:41	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 11:45	**Site:**			
Sample #:	**418266-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	5	1.515	10	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**2.1**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromofluoromethane (SUR)	*104*	*70-145*	
Toluene-d8 (SUR)	*106*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

PRELIMINARY RESULTS

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:45 **Site:**
Sample #: 418266-004 **Client Sample #:** MCWP-MW04S **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	
Surrogate	*% Recovery*		*Limits*		*Notes*				
1,2-Dichloroethane-d4 (SUR)	*94*		*70-135*						
4-Bromofluorobenzene (SUR)	*108*		*70-135*						
Dibromofluoromethane (SUR)	*104*		*70-135*						
Toluene-d8 (SUR)	*106*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**3.1**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**750**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**610**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**1.27**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**5710**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	**11.6**	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

PRELIMINARY RESULTS

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 11:45	**Site:**			
Sample #:	**418266-004**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0090 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.711**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.66**	1			pH Units	08/14/19 00:00	08/14/19 11:05		T2
Temp. at Time of pH Measurement	**13.0**	1			°C	08/14/19 00:00	08/14/19 11:05		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	**0.054 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.923**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.335**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**1.027**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**24.4**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.27**	1	0.007	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**13**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.13 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.72**	1	0.03	0.5	mg/L		08/23/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.878**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**190**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.032**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**107**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.009 J**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**2.79**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**201**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205374
Aluminum	ND	10	33	100	ug/L		08/15/19	JP	D2
Antimony	ND	10	2.28	5	ug/L		08/15/19	JP	D2
Arsenic	ND	10	1.88	20	ug/L		08/15/19	JP	D2
Barium	**35.2 J**	10	6.1	50	ug/L		08/15/19	JP	J
Beryllium	ND	10	1.68	5	ug/L		08/15/19	JP	D2
Cadmium	ND	10	1.57	2	ug/L		08/15/19	JP	D2
Chromium	**4.00 J**	10	1.18	10	ug/L		08/15/19	JP	B1,J
Copper	**2.53 J**	10	1.86	5	ug/L		08/15/19	JP	B1,J
Lead	ND	10	0.84	5	ug/L		08/15/19	JP	D2
Nickel	**9.26 J**	10	5.49	10	ug/L		08/15/19	JP	J
Selenium	**2.49 J**	10	1.72	20	ug/L		08/15/19	JP	J
Silver	ND	10	0.083	2	ug/L		08/15/19	JP	D2
Thallium	ND	10	1.41	10	ug/L		08/15/19	JP	D2
Zinc	ND	10	6.98	10	ug/L		08/15/19	JP	D2
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205462
Mercury	ND	1	0.094	0.2	ug/L	08/15/19	08/15/19	CM	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205357
Chloride	**228**	20	1.72	20	mg/L	08/13/19	08/23/19 02:38	CO	
Nitrate + Nitrite, as Nitrogen	**1.59**	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Nitrate, as Nitrogen	**1.59**	1	0.012	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 12:33	CO	
Sulfate	**530**	20	1.54	20	mg/L	08/13/19	08/23/19 02:38	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205317		
Perchlorate	ND	2	0.606	4	ug/L		08/14/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**2.2**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-145*	
4-Bromofluorobenzene (SUR)	*105*	*70-145*	
Dibromofluoromethane (SUR)	*107*	*70-145*	
Toluene-d8 (SUR)	*104*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

PRELIMINARY RESULTS

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:15 **Site:**
Sample #: 418266-005 **Client Sample #:** MCWP-MW04D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*93*	*70-135*	
4-Bromofluorobenzene (SUR)	*105*	*70-135*	
Dibromofluoromethane (SUR)	*107*	*70-135*	
Toluene-d8 (SUR)	*104*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205348
Color	ND	1	5	5	Color Unit		08/14/19 09:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205349
Turbidity	**0.48**	1	0.074	0.1	NTU		08/14/19 09:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205350
Odor Threshold	ND	1	1	1	T.O.N		08/14/19 09:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205552
Bicarbonate (HCO3)	**390**	5	25	25	mg/L		08/17/19	WW	
Carbonate (CO3)	ND	5	25	25	mg/L		08/17/19	WW	
Hydroxide (OH)	ND	5	25	25	mg/L		08/17/19	WW	
Total Alkalinity (as CaCO3)	**320**	5	1.9	25	mg/L		08/17/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.28**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205442
Total Dissolved Solids	**1540**	2	20	20	mg/L	08/15/19	08/16/19	WW	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205470
Total Suspended Solids	ND	1.11	0.555	0.555	mg/L	08/14/19	08/14/19	NP	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/13/2019 11:15	**Site:**			
Sample #:	**418266-005**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: SM 4500-Cl Prep Method: Method							QCBatchID: QC1205463		
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/14/19 16:20	WW	T2
Method: SM 4500-CN-E Prep Method: Method							QCBatchID: QC1205643		
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C Prep Method: Method							QCBatchID: QC1205378		
Fluoride	**0.615**	1	0.003	0.1	mg/L	08/14/19	08/14/19	NP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1205372		
pH	**7.19**	1			pH Units	08/14/19 00:00	08/14/19 11:07		T2
Temp. at Time of pH Measurement	**13.9**	1			°C	08/14/19 00:00	08/14/19 11:07		
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205384		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205550		
Total Kjeldahl Nitrogen	**0.134 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205707		
Total Phosphorous as P	**0.070**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.215**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B Prep Method: Method							QCBatchID:		
See Attached		1							
Method: SM 5310B Prep Method: Method							QCBatchID: QC1205571		
Total Organic Carbon (TOC)	**6.52**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID: QC1205484		
MBAS	**0.016 J**	1	0.007	0.04	mg/L	08/14/19 08:55	08/14/19 20:12	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205364		
Fecal Coliform	**<2**	2			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

QCBatchID: QC1205317 **Analyst:** sbailey-woo **Method:** EPA 314.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205317MB1					
Perchlorate	ND	ug/L	0.303	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205317LCS1											
Perchlorate	50		53		ug/L	106			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205317MS1, QC1205317MSD1												**Source: 418195-001**
Perchlorate	ND	50	50	48	49	ug/L	96	98	2.1	80-120	20	

QCBatchID:	**QC1205348**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205348DUP1						**Source: 418228-001**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1205349**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205349DUP1						**Source: 418228-001**
Turbidity	0.38	0.38	NTU	0.0	20	

QCBatchID:	**QC1205350**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205350DUP1						**Source: 418266-001**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1205357 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205357MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Fluoride	ND	mg/L	0.093	0.2	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357LCS1											
Bromide	15		14.7		mg/L	98			90-110		
Chloride	100		102		mg/L	102			90-110		
Fluoride	20		21.2		mg/L	106			90-110		
Nitrate, as Nitrogen	9.03		8.86		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.65		mg/L	105			90-110		
Sulfate	50		46.0		mg/L	92			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357MS1, QC1205357MSD1												**Source: 418202-001**
Bromide	0.293	15	15	14.9	15.6	mg/L	97	102	4.6	80-120	20	
Chloride	86.8	100	100	183	196	mg/L	96	109	6.9	80-120	20	
Fluoride	0.514	20	20	21.8	24.5	mg/L	106	120	11.7	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.87	9.33	mg/L	98	103	5.1	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.24	9.90	mg/L	101	108	6.9	80-120	20	
Sulfate	13.1	50	50	61.6	62.2	mg/L	97	98	1.0	80-120	20	
QC1205357MS2, QC1205357MSD2												**Source: 418205-001**
Bromide	0.305	15	15	15.0	15.4	mg/L	98	101	2.6	80-120	20	
Chloride	83.9	100	100	181	187	mg/L	97	103	3.3	80-120	20	
Fluoride	0.626	20	20	21.9	22.1	mg/L	106	107	0.9	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.00	9.17	mg/L	100	102	1.9	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.32	9.57	mg/L	102	105	2.6	80-120	20	
Sulfate	13.0	50	50	61.9	60.5	mg/L	98	95	2.3	80-120	20	

QCBatchID:	QC1205372	**Analyst:**	cmorales	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205372DUP1						**Source: 418266-001**
pH	6.99	7.00	pH Units	0.1	20	
Temp. at Time of pH Measurement	12.4	12.4	°C	0.0	20	
QC1205372DUP2						**Source: 418311-001**
pH	7.10	7.11	pH Units	0.1	20	
Temp. at Time of pH Measurement	21.8	21.8	°C	0.0	20	

QCBatchID: QC1205374 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205374MB1					
Aluminum	ND	ug/L	3.3	10	
Antimony	**0.246 J**	ug/L	0.228	0.5	
Arsenic	**0.237 J**	ug/L	0.188	2	
Barium	ND	ug/L	0.61	5	
Beryllium	ND	ug/L	0.168	0.5	
Boron	ND	ug/L	0.95	5	
Cadmium	ND	ug/L	0.157	0.2	
Chromium	**0.771 J**	ug/L	0.118	1	
Copper	**0.466 J**	ug/L	0.186	0.5	
Iron	**17.4 J**	ug/L	8.2	25	
Lead	ND	ug/L	0.084	0.5	
Manganese	ND	ug/L	0.16	10	
Nickel	ND	ug/L	0.549	1	
Selenium	ND	ug/L	0.172	2	
Silver	ND	ug/L	0.0083	0.2	
Thallium	ND	ug/L	0.141	1	
Zinc	ND	ug/L	0.698	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374LCS1											
Aluminum	50		46.2		ug/L	92			85-115		
Antimony	50		53.5		ug/L	107			85-115		
Arsenic	50		48.7		ug/L	97			85-115		
Barium	50		50.5		ug/L	101			85-115		
Beryllium	50		43.5		ug/L	87			85-115		
Boron	50		51.4		ug/L	103			85-115		
Cadmium	50		50.2		ug/L	100			85-115		
Chromium	50		49.3		ug/L	99			85-115		
Copper	50		49.0		ug/L	98			85-115		
Iron	50		51.5		ug/L	103			85-115		
Lead	50		52.9		ug/L	106			85-115		
Manganese	50		50.5		ug/L	101			85-115		
Nickel	50		52.8		ug/L	106			85-115		
Selenium	50		48.8		ug/L	98			85-115		
Silver	50		48.5		ug/L	97			85-115		
Thallium	50		51.4		ug/L	103			85-115		
Zinc	50		50.6		ug/L	101			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374MS1												**Source: 418228-001**
Aluminum	ND	50		47.6		ug/L	95			85-115		
Antimony	0.462	50		55.4		ug/L	110			85-115		
Arsenic	ND	50		48.6		ug/L	97			85-115		
Barium	ND	50		51.7		ug/L	103			85-115		
Beryllium	ND	50		41.8		ug/L	84			85-115		M
Boron	61.6	50		108		ug/L	93			85-115		
Cadmium	ND	50		49.4		ug/L	99			85-115		
Chromium	1.12	50		49.5		ug/L	97			85-115		

QCBatchID: QC1205374 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205374MS1												**Source: 418228-001**
Copper	ND	50		48.3		ug/L	97			85-115		
Iron	ND	50		50.3		ug/L	101			85-115		
Lead	ND	50		50.2		ug/L	100			85-115		
Manganese	ND	50		50.0		ug/L	100			85-115		
Nickel	ND	50		49.6		ug/L	99			85-115		
Selenium	ND	50		44.9		ug/L	90			85-115		
Silver	ND	50		47.3		ug/L	95			85-115		
Thallium	ND	50		49.9		ug/L	100			85-115		
Zinc	ND	50		50.2		ug/L	100			85-115		

QCBatchID: QC1205378 **Analyst:** npham **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205378MB1					
Fluoride	ND	mg/L	0.003	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205378LCS1											
Fluoride	0.92		0.981		mg/L	107			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205378MS1, QC1205378MSD1												**Source: 418228-001**
Fluoride	0.008	1	1	1.00	1.03	mg/L	99	102	3.0	75-125	20	

QCBatchID: QC1205384	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/14/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205384MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1205384LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1205384MS1, QC1205384MSD1												**Source: 418270-001**
Ammonia, as Nitrogen	0.098	2.5	2.5	2.50	2.50	mg/L	96	96	0.0	80-120	20	

QCBatchID: QC1205401 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205401MB1					
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	1	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Toluene	ND	ug/L	0.078	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401LCS1											
1,1-Dichloroethene	50		50		ug/L	100			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401MS1, QC1205401MSD1												**Source: 418235-001**
1,1-Dichloroethene	ND	50	50	56	54	ug/L	112	108	3.6	59-172	22	
Benzene	ND	50	50	53	51	ug/L	106	102	3.8	62-137	24	
Chlorobenzene	ND	50	50	55	54	ug/L	110	108	1.8	60-133	21	
Toluene	ND	50	50	56	56	ug/L	112	112	0.0	59-139	21	
Trichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	66-142	21	

QCBatchID: QC1205402	**Analyst:** lucy		**Method:** EPA 524.2		
Matrix: Water	**Analyzed:** 08/14/2019		**Instrument:** VOA-MS (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.37	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.22	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.2	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.45	0.5	
1,1-Dichloroethane	ND	ug/L	0.24	0.5	
1,1-Dichloroethene	ND	ug/L	0.31	0.5	
1,1-Dichloropropene	ND	ug/L	0.38	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.35	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.52	0.5	
1,2-Dibromoethane	ND	ug/L	0.33	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.37	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.35	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.45	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.44	0.5	
1,3-Dichloropropane	ND	ug/L	0.17	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.34	0.5	
2,2-Dichloropropane	ND	ug/L	0.39	0.5	
2-Chlorotoluene	ND	ug/L	0.36	0.5	
4-Chlorotoluene	ND	ug/L	0.34	0.5	
4-Isopropyltoluene	ND	ug/L	0.41	0.5	
Benzene	ND	ug/L	0.27	0.5	
Bromobenzene	ND	ug/L	0.26	0.5	
Bromochloromethane	ND	ug/L	0.26	0.5	
Bromodichloromethane	ND	ug/L	0.27	0.5	
Bromoform	ND	ug/L	0.34	0.5	
Bromomethane	ND	ug/L	0.42	0.5	
Carbon Tetrachloride	ND	ug/L	0.26	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.36	0.5	
Chloroethane	ND	ug/L	0.47	0.5	
Chloroform	ND	ug/L	0.17	0.5	
Chloromethane	ND	ug/L	0.45	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.22	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.34	0.5	
Dibromomethane	ND	ug/L	0.3	0.5	
Dichlorodifluoromethane	ND	ug/L	0.45	0.5	
Ethylbenzene	ND	ug/L	0.2	0.5	
Hexachlorobutadiene	ND	ug/L	0.22	0.5	
Isopropylbenzene	ND	ug/L	0.42	0.5	
m and p-Xylene	ND	ug/L	0.51	0.5	
Methylene chloride	**3.6**	ug/L	0.5	0.5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.1	0.5	
Naphthalene	ND	ug/L	0.1	0.5	
N-butylbenzene	ND	ug/L	0.49	0.5	
N-propylbenzene	ND	ug/L	0.35	0.5	
o-Xylene	ND	ug/L	0.32	0.5	
Sec-butylbenzene	ND	ug/L	0.39	0.5	
Styrene	ND	ug/L	0.29	0.5	

QCBatchID: QC1205402 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
Tert-butylbenzene	ND	ug/L	0.39	0.5	
Tetrachloroethene	ND	ug/L	0.4	0.5	
Toluene	ND	ug/L	0.3	0.5	
Total Trihalomethanes (THM's)	ND	ug/L	0.31	1	
trans-1,2-dichloroethene	ND	ug/L	0.21	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.24	0.5	
Trichloroethene	ND	ug/L	0.44	0.5	
Trichlorofluoromethane	ND	ug/L	0.3	0.5	
Vinyl Chloride	ND	ug/L	0.3	0.5	
Xylenes (Total)	ND	ug/L	0.51	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402MS1												**Source: 418264-003**
1,1-Dichloroethene	ND	50		55		ug/L	110			59-172		
Benzene	ND	50		52		ug/L	104			62-137		
Chlorobenzene	ND	50		55		ug/L	110			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		49		ug/L	98			62-137		
Toluene	ND	50		57		ug/L	114			59-139		
Trichloroethene	ND	50		58		ug/L	116			66-142		

QCBatchID: QC1205434 **Analyst:** sbailey-woo **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205434MB1					
Boron	ND	mg/L	0.03	0.05	
Calcium	ND	mg/L	0.093	0.1	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Magnesium	ND	mg/L	0.046	0.1	
Manganese	ND	mg/L	0.006	0.01	
Potassium	ND	mg/L	0.167	0.5	
Sodium	ND	mg/L	0.119	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434LCS1											
Boron	2		2.04		mg/L	102			85-115		
Calcium	20		22.7		mg/L	114			85-115		
Copper	2		2.21		mg/L	111			85-115		
Iron	2		2.22		mg/L	111			85-115		
Magnesium	20		22.5		mg/L	113			85-115		
Manganese	2		2.08		mg/L	104			85-115		
Potassium	38		39.0		mg/L	103			85-115		
Sodium	20		21.4		mg/L	107			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434MS1												**Source: 418266-001**
Boron	0.346	1		1.37		mg/L	102			75-125		
Calcium	79.4	20		112		mg/L	163			75-125		M
Copper	0.032	1		1.07		mg/L	104			75-125		
Iron	0.452	1		1.56		mg/L	111			75-125		
Magnesium	26.6	20		52.2		mg/L	128			75-125		M
Manganese	0.016	1		1.03		mg/L	101			75-125		
Potassium	5.19	29		37.1		mg/L	110			75-125		
Sodium	85.9	20		116		mg/L	151			75-125		M

QCBatchID:	**QC1205442**	**Analyst:**	wei	**Method:**	SM 2540-C
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205442MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205442LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205442DUP1						**Source: 418246-001**
Total Dissolved Solids	19000	19400	mg/L	2.1	5	

QCBatchID: QC1205462 **Analyst:** cmorales **Method:** EPA 245.1

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP-HG1

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205462MB1					
Mercury	ND	ug/L	0.094	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205462LCS1											
Mercury	5		5.41		ug/L	108			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205462MS1, QC1205462MSD1												**Source: 418307-001**
Mercury	ND	5	5	5.21	5.14	ug/L	104	103	1.4	75-125	20	

QCBatchID: QC1205463	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 08/14/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205463MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205463LCS1											
Chlorine, Total Residual	1		0.98		mg/L	98			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205463DUP1						**Source: 418236-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1205470**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/14/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205470MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205470DUP1						**Source: 418189-003**
Total Suspended Solids	184	190	mg/L	3.2	5	

QCBatchID: QC1205484 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205484MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205484LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205484MS1, QC1205484MSD1												**Source: 418195-001**
MBAS	0.012	1	1	1.1	1.1	mg/L	109	109	0.0	75-125	20	

QCBatchID:	**QC1205550**	**Analyst:**	trinh	**Method:**	SM 4500-NH3-G
Matrix:	Water	**Analyzed:**	08/17/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205550MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.03	0.133	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1205550LCS1											
Total Kjeldahl Nitrogen	2.5		2.45		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1205550MS1, QC1205550MSD1												**Source: 418228-001**
Total Kjeldahl Nitrogen	0.284	12.5	12.5	12.6	13.1	mg/L	99	103	3.9	80-120	20	

QCBatchID: QC1205552	**Analyst:** wei		**Method:** SM 2320-B		
Matrix: Water	**Analyzed:** 08/17/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205552MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	0.38	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1205552LCS1											
Total Alkalinity (as CaCO3)	100		94		mg/L	94			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205552DUP1						**Source: 418266-002**
Bicarbonate (HCO3)	1100	1100	mg/L	0.0	20	
Carbonate (CO3)	ND	ND	mg/L	0.0	20	
Hydroxide (OH)	ND	ND	mg/L	0.0	20	
Total Alkalinity (as CaCO3)	860	880	mg/L	2.3	20	

QCBatchID: QC1205571 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205571MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205571LCS1											
Total Organic Carbon (TOC)	10		9.86		mg/L	99			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205571MS1, QC1205571MSD1												**Source: 418344-002**
Total Organic Carbon (TOC)	19.4	20	20	41.0	40.7	mg/L	108	107	0.7	80-120	20	

QCBatchID: QC1205643 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205643MB1					
Cyanide	ND	mg/L	0.0022	0.01	
Cyanide, Amenable to Chlorination	ND	mg/L	0.0022	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643LCS1											
Cyanide	0.2		0.19		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643MS1, QC1205643MSD1												**Source: 418338-002**
Cyanide	0.0030	0.2	0.2	0.21	0.21	mg/L	104	104	0.0	80-120	20	

QCBatchID: QC1205707	**Analyst:** trinh	**Method:** SM 4500-P-B-5-E			
Matrix: Water	**Analyzed:** 08/20/2019	**Instrument:** CHEM (group)			

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205707MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.3		1.28		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707MS1, QC1205707MSD1												**Source: 418276-001**
Total Phosphorous as P	0.251	0.4	0.4	0.837	0.835	mg/L	147	146	0.2	75-125	20	M
Total Phosphorous as PO4	0.770	1.3	1.3	2.57	2.56	mg/L	139	138	0.4	75-125	20	M

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.
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1 Park Plaza, Suite 1000, Irvine, CA 92614

Chain of Custody Record

Lab No: 4190266

Page: 1 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

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 - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:	kbrtalik@rinconconsulants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
NN LAMW-5S LAmw-5S	8/ /19	1330	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-9 NN SmBRP-9	8/ /19	0830	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-11 NN SmBRP-11	8/ /19	1300	W			X	X	X	X	X	X	X	X	X	X	
SMBRP-12	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW04S NN MCWP-MW04S	8/ /19	1145	W			X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D NN MCWP-MW04D	8/ /19	1115	W			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07S	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW07D	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW09	8/ /19		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.13.19 / 1550
[1] Received By:	Ben S.	E.A.		8.13.19 1550
[2] Relinquished By:	Ben Salgado	Enthalpy Analytical	8.13.19 1903	
[2] Received By:	Christie Cabo	EA	8/13/19 1903	
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL, INC.
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ENTHALPY analytical, inc.

Chain of Custody Record

Lab No: 418266

Page: 2 of 3

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

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 - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
LAMW-5S	8/13/19	1330	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
SMBRP-9	8/13/19	830	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
SMBRP-11	8/13/19	1300	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
~~SMBRP-12~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
MCWP-MW04S	8/13/19	1145	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D	8/13/19	1115	W	50 / Var.		X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW07D~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW09~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Nico Navarro	Rincon Consultants, Inc.	8/13/19 1530
[1] Received By:		Ben Salgado	E. A.	8.13.19 - ~~1530~~
[2] Relinquished By:		Ben Salgado	Enthalpy Analytical	8.13.1902
[2] Received By:		Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 419266	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	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 - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 608 Pest/PCBs	Test Instructions / Comments
LAMW-5S	8/13/19	1330	W			X	X	
SMBRP-9	8/13/19	0830	W			X	X	
SMBRP-11	8/13/19	1300	W			X	X	
~~SMBRP-12~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
MCWP-MW04S	8/13/19	1145	W			X	X	
MCWP-MW04D	8/13/19	1115	W			X	X	
~~MCWP-MW07S~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
~~MCWP-MW07D~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN
~~MCWP-MW09~~	~~8/ /19~~		~~W~~			~~X~~	~~X~~	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.13.19 / 1550
[1] Received By:		Ben S.	E.A.	8-13-19 1550
[2] Relinquished By:		Ben Salcedo	Enthalpy Analytical	8-13-19 1903
[2] Received By:		Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/13/19 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 13 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: 3.6 #3: 12.7 #4: 6.0

(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: 3.0 #2: 2.9 #3: 7.6 #4: 1.9

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

(sample temp/cooler temp) 2.5/1.4, 8.6/6.7, 4.2/3.7, 3.8/2.4, 7.9/1.9, 2.6/1.3, 0.8/0.9, 7.3/0.9,1.3/1.3 sample #3 (SMBRP-11), ~~had headspace~~ 5 vials was not filled

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): RC 8/13/19

Project Manager's response:

Completed By: _____ Date: 8/13/19

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-4694-1
Client Project/Site: 418266

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/25/2019 6:36:25 PM

Xuan Dang, Project Manager I
(714)895-5494
xuandang@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 570-4694-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-4694-1

Comments
No additional comments.

Receipt
The samples were received on 8/14/2019 6:08 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

GC Semi VOA
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12743 and 570-12743 and analytical batch 570-12804.LCS/LCSD perform to meet QC requirement

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

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

Organic Prep
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12743 and 570-12743.LCS/LCSD perform to meet QC requirement

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

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: LAMW-5S (418266-001) — Lab Sample ID: 570-4694-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	3.93		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	2.10		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: SMBRP-9 (418266-002) — Lab Sample ID: 570-4694-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.29		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	7.61		5.00	2.92	mg/L	1		SM5210B	Total/NA

Client Sample ID: SMBRP-11 (418266-003) — Lab Sample ID: 570-4694-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.76		1.19	0.952	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	5.92		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW04S (418266-004) — Lab Sample ID: 570-4694-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.89		1.11	0.889	mg/L	1		1664A	Total/NA

Client Sample ID: MCWP-MW04D (418266-005) — Lab Sample ID: 570-4694-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	2.98		1.19	0.952	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: LAMW-5S (418266-001)
Date Collected: 08/13/19 13:30
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	3.93		1.19	0.952	mg/L		08/15/19 14:24	08/15/19 16:59	1
Biochemical Oxygen Demand	2.10		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: SMBRP-9 (418266-002)
Date Collected: 08/13/19 08:30
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.29		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	7.61		5.00	2.92	mg/L			08/14/19 19:24	1

Client Sample ID: SMBRP-11 (418266-003)
Date Collected: 08/13/19 13:00
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.76		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	5.92		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: MCWP-MW04S (418266-004)
Date Collected: 08/13/19 11:45
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	4.89		1.11	0.889	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/14/19 19:24	1

Client Sample ID: MCWP-MW04D (418266-005)
Date Collected: 08/13/19 11:15
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-5
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	2.98		1.19	0.952	mg/L		08/15/19 14:27	08/15/19 16:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/14/19 19:24	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-12743/1-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/15/19 14:24	08/15/19 16:59	1

Lab Sample ID: LCS 570-12743/2-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	36.70		mg/L		92	78 - 114

Lab Sample ID: LCSD 570-12743/3-A
Matrix: Water
Analysis Batch: 12804

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12743

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	37.30		mg/L		93	78 - 114	2	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-13541/2
Matrix: Water
Analysis Batch: 13541

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.7914	J	0.833	0.487	mg/L			08/14/19 18:00	1

Lab Sample ID: USB 570-13541/1
Matrix: Water
Analysis Batch: 13541

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/14/19 18:00	1

Lab Sample ID: LCS 570-13541/3
Matrix: Water
Analysis Batch: 13541

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	205.4		mg/L		104	84.6 - 115.4

Lab Sample ID: 570-4521-A-1 DU
Matrix: Water
Analysis Batch: 13541

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	2310		2269		mg/L		2	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

General Chemistry

Prep Batch: 12743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	1664A	
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	1664A	
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	1664A	
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	1664A	
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	1664A	
MB 570-12743/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-12743/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-12743/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 12804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	1664A	12743
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	1664A	12743
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	1664A	12743
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	1664A	12743
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	1664A	12743
MB 570-12743/1-A	Method Blank	Total/NA	Water	1664A	12743
LCS 570-12743/2-A	Lab Control Sample	Total/NA	Water	1664A	12743
LCSD 570-12743/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	12743

Analysis Batch: 13541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4694-1	LAMW-5S (418266-001)	Total/NA	Water	SM5210B	
570-4694-2	SMBRP-9 (418266-002)	Total/NA	Water	SM5210B	
570-4694-3	SMBRP-11 (418266-003)	Total/NA	Water	SM5210B	
570-4694-4	MCWP-MW04S (418266-004)	Total/NA	Water	SM5210B	
570-4694-5	MCWP-MW04D (418266-005)	Total/NA	Water	SM5210B	
SCB 570-13541/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-13541/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-13541/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-4521-A-1 DU	Duplicate	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: LAMW-5S (418266-001)

Lab Sample ID: 570-4694-1

Date Collected: 08/13/19 13:30

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:24	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: SMBRP-9 (418266-002)

Lab Sample ID: 570-4694-2

Date Collected: 08/13/19 08:30

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	50 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: SMBRP-11 (418266-003)

Lab Sample ID: 570-4694-3

Date Collected: 08/13/19 13:00

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Client Sample ID: MCWP-MW04S (418266-004)

Lab Sample ID: 570-4694-4

Date Collected: 08/13/19 11:45

Matrix: Water

Date Received: 08/14/19 18:08

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			900 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Client Sample ID: MCWP-MW04D (418266-005)

Date Collected: 08/13/19 11:15
Date Received: 08/14/19 18:08

Lab Sample ID: 570-4694-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			840 mL	1000 mL	12743	08/15/19 14:27	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12804	08/15/19 16:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13541		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/14/19 19:24		
								(End) 08/19/19 12:05		

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	ECL 1
SM5210B	BOD, 5 Day	SM	ECL 1
1664A	HEM and SGT-HEM (Aqueous)	1664A	ECL 1

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 418266

Job ID: 570-4694-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-4694-1	LAMW-5S (418266-001)	Water	08/13/19 13:30	08/14/19 18:08	
570-4694-2	SMBRP-9 (418266-002)	Water	08/13/19 08:30	08/14/19 18:08	
570-4694-3	SMBRP-11 (418266-003)	Water	08/13/19 13:00	08/14/19 18:08	
570-4694-4	MCWP-MW04S (418266-004)	Water	08/13/19 11:45	08/14/19 18:08	
570-4694-5	MCWP-MW04D (418266-005)	Water	08/13/19 11:15	08/14/19 18:08	

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

570-4694 Chain of Custody

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1038373

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☑ EDD ☐ EDF ☐ EDT

Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-55 (418266-001)	1664_Total_OUT	
Water	08/13/19 13:30	LAMW-55 (418266-001)	5210B BOD_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1664_Total_OUT	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	5210B BOD_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1664_Total_OUT	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	5210B BOD_OUT	
Water	08/13/19 11:45	MCWP-MW045 (418266-004)	1664_Total_OUT	
Water	08/13/19 11:45	MCWP-MW045 (418266-004)	5210B BOD_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1664_Total_OUT	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	**Received By:**
Date/Time 08/14/19 18:08	Date/Time
	8/14/19 18:08
Date/Time	Date/Time

3.0/3.5 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-4694-1

Login Number: 4694
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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.	True	
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	

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # 418266
Samples Received: 08/16/2019

Analytical Report
0819-730

Method 1613B
2,3,7,8-TCDD Only

Enthalpy Analytical, LLC – Ultratrace

O: (910) 212-5858 / F: 910-212-5866
www.enthalpy.com
2714 Exchange Drive
Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 22 pages.



QA Review Performed by: Bryan A. Vining

Report Issued Date: 29 AUG 19

ENTHALPY ANALYTICAL

Summary of Results

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch

10419

Method 1613B

Analyte	Method Blank pg/L	LAMW-5S (418266-001) pg/L	SMBRP-9 (418266-002) pg/L	SMBRP-11 (418266-003) pg/L	MCWP-MW04S (418266-004) pg/L	MCWP-MW04D (418266-005) pg/L
2,3,7,8-TCDD	(1.3)	(1.25)	(1.27)	(1.25)	(1.25)	(1.31)
ND = (DL) EMPC = [ ]						
Lab Sample ID	LMB_10419_DF	0819-730_10419_001	0819-730_10419_002	0819-730_10419_003	0819-730_10419_004	0819-730_10419_005

Detailed Results

LAMW-5S (418266-001)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	LAMW-5S (418266-001)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 13:30:0(**	**RRFs:**	**ICAL**

Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-2019**
Lab Sample ID:	**0819-730_10419_001**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**8:23:37**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	36.5	
					CS 37Cl-2378-TCDD	72.9	
					AS 1368-TCDD	86.4	

SMBRP-9 (418266-002)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-9 (418266-002)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 8:30:00**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_002**	**Weight/Volume:**	**1.02**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**9:11:56**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.27		U	ES 2,3,7,8-TCDD	39.0	
					CS 37Cl-2378-TCDD	74.7	
					AS 1368-TCDD	82.2	

SMBRP-11 (418266-003)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-11 (418266-003)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 13:00:0(**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_003**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**10:01:08**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	55.3	
					CS 37Cl-2378-TCDD	74.9	
					AS 1368-TCDD	81.9	

MCWP-MW04S (418266-004)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	MCWP-MW04S (418266-004)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418266	**Sample Collection Date:**	**8/13/2019 11:45:00**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-730_10419_004**	**Weight/Volume:**	**1.04**	**Date Extracted:**	**19-Aug-19**
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**10:49:13**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.25		U	ES 2,3,7,8-TCDD	69.2	
					CS 37Cl-2378-TCDD	75.1	
					AS 1368-TCDD	85.4	

MCWP-MW04D (418266-005)						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW04D (418266-005)		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	418266		**Sample Collection Date:**	**8/13/2019 11:15:0(**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0819-730**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**		
Lab Sample ID:	**0819-730_10419_005**	**Weight/Volume:**	**0.99**	**Date Extracted:**	**19-Aug-19**		
QC Batch #:	**10419**	**Split Factor:**	**1**	**Date Analyzed:**	**23-Aug-19**		
Dilution:	**-**			**Time Analyzed:**	**11:37:34**		

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.31		U	ES 2,3,7,8-TCDD	84.6	
					CS 37Cl-2378-TCDD	76.8	
					AS 1368-TCDD	89.3	

QC Data

Continuing Calibration

	CS3-A
Concentration (pg/µL)	10
Standard ID	SIDAE90
Acquisition Date	22-Aug-19
Acquisition Time	20:01:20

Analyte	RRF	ICAL RRFs	PD (CS3-A v. ICAL)
2,3,7,8-TCDD	1.07	1.17	-8.5
ES 2,3,7,8-TCDF	0.99	1.04	-4.8
CS 37Cl-2378-TCDD	1.15	1.24	-7.3
AS 1368-TCDD	1.07	1.04	2.9

OPR				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10419_DF	Final Vol. (uL)	20.0	Date Extracted:	19-Aug-19
QC Batch #:	10419	Split Factor:	1	Date Analyzed:	22-Aug-19
Dilution:	-			Time Analyzed:	20:58:31

Analyte	Conc. (pg)	DL (pg)	EMPC (pg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.28				ES 2,3,7,8-TCDD	75.5	
					CS 37Cl-2378-TCDD	78.6	
					AS 1368-TCDD	86.0	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10419

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.3	7.3	14.6	Y	ES 2,3,7,8-TCDD	76	25	141	Y
					CS 2,3,7,8-TCDD	8	3.7	15.8	Y

Method Blank				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_10419_DF	Weight/Volume:	1.00	Date Extracted:	19-Aug-19
QC Batch #:	10419	Split Factor:	1	Date Analyzed:	22-Aug-19
Dilution:	-			Time Analyzed:	22:34:53

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.445		U	ES 2,3,7,8-TCDD	74.8	
					CS 37Cl-2378-TCDD	74.1	
					AS 1368-TCDD	85.9	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0819-730 EPA 1613B
Client Project #	418266

Custody	Robin Appelle of Enthalpy Analytical Wilmington received all samples (via FedEx) 08/16/19 on ice at 4.5°C in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The samples were analyzed by EPA Method 1613B for PCDDs/PCDFs only using Agilent Technologies Model# 6890 High-Resolution GC/ Waters High-Resolution Mass-Spectrometer (HRGC/HRMS "Galadriel"). After sampling by the client, the laboratory spiked the sample with Extraction Standard (ES), then extracted by separatory funnel with Hexane. After solvent exchange, the extract was spiked with Alternate Standard (AS) and CS (Clean Up Standard). Cleanup procedures were performed on the extract. The final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration and batch control spike met the 20% criterion for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed all method criteria. Labeled and standard recovery values were acceptable. The sample was extracted within the 30-day from collection holding time. The extract was analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.
Reporting Notes (continued)	The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes “Single Ion Mode” and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).

- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample Custody

0819-730

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 08:30	SMBRP-9 (418266-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 13:00	SMBRP-11 (418266-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
Standard TAT

2,3,7,8-TCDD only

Relinquished By	**Received By:**
Date/Time 8/15/19 1650	Date/Time 8/16/19 1315 4.5°C T9
Date/Time	Date/Time

Folder, 7760 0071 9387, on Ice, No seals, Good condition
M 8/16/19

418266-04 08/15/19 13:06 RC

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Project Manager
Enthalpy Analytical

Fax #:

Email: incomingreports@enthalpy.com

From: Tyler D Miller
AmeriSci Job #: 919081535
Subject: Water (waste) 5 day Results
Client Project: 418266; (Report Amended 8/20/2019)

Date: Tuesday, August 20, 2019
Time: 11:29:42
Comments:

Number of Pages: 4 (including cover sheet)

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AmeriSci Job #: **919081535**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

418266; (Report Amended 8/20/2019)

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	LAMW-5S 418266-001	0.02	1	2	NSD	0.17	0.35	<0.17	amphibole
02	SMBRP-9 418266-002	0.0003	1	NSD	NSD	5.79	<5.79	<5.79	----
03	SMBRP-11 418266-003	0.02	1	NSD	NSD	0.17	<0.17	<0.17	----
04	MCWP-MW04S 418266-004	0.005	1	1	NSD	0.35	0.35	<0.35	chrysotile
05	MCWP-MW04D 418266-005	0.02	1	NSD	NSD	0.17	<0.17	<0.17	----

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/15/2019

Tyler D Miller

9190815335

Subject: Updates Sample IDs
From: Ranjit Clarke <ranjit.clarke@enthalpy.com>
Date: 8/19/2019, 11:51 AM
To: Glenda Luzon <gluzon@amerisci.com>

Glenda,

Please see the attached COC. I have updated the sample IDs for samples -1 and -4. I have also included the PO# that should be used for invoicing this report.

Thanks,

Ranjit

Ranjit Clarke
Senior Project Manager
ENTHALPY ANALYTICAL
931 W. Barkley Ave., Orange, CA 92868
O: 714.771.6900 X 9906 | M: 657-274-9864 | F: 714-538-1209
Ranjit.Clarke@enthalpy.com

To help protect the air we breathe, the water we drink, and the soil that feeds us.

Please take a moment to provide customer feedback
Terms and Conditions & Enthalpy Sample Acceptance Policy

https://enthalpy.com/news-events/

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Attachments:

418266-02.pdf 104 KB

Rec'd by DY
8/20/19 10:45

9190815 35

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1038436

Project: 418266 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☐ EDD ☐ EDF ☐ EDT
Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/13/19 13:30	LAMW-5S (418266-001)	100.1 Asbestos	
Water	08/13/19 08:30	SMBRP-9 (418266-002)	100.1 Asbestos	
Water	08/13/19 13:00	SMBRP-11 (418266-003)	100.1 Asbestos	
Water	08/13/19 11:45	MCWP-MW04S (418266-004)	100.1 Asbestos	
Water	08/13/19 11:15	MCWP-MW04D (418266-005)	100.1 Asbestos	

Note:
5 day TAT

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

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Surface Water
15-01587

Lab Request: 418270
Report Date: 08/27/2019
Date Received: 08/13/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418270-001	N-001
418270-002	N-002
418270-003	N-003
418270-004	N-004
418270-005	L-001
418270-006	L-002
418270-007	L-003
418270-008	L-004
418270-009	L-005
418270-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

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ACCREDITED IN ACCORDANCE WITH nelac

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:30 **Site:**
Sample #: 418270-001 **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 13:01	CO	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	08/13/19	08/14/19 13:01	CO	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 13:01	CO	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**34100**	10	100	100	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**7.83**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**21**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**0.098 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.088**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.270**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:40 **Site:**
Sample #: 418270-002 **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 13:21	CO	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	08/13/19	08/14/19 13:21	CO	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 13:21	CO	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**34700**	10	100	100	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**7.67**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**18.7**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**0.038 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.130**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.399**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**2.0**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:50 **Site:**
Sample #: 418270-003 **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 14:40	JP	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	08/13/19	08/14/19 14:40	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 14:40	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**34600**	10	100	100	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**7.68**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**21.8**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.866**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**2.66**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**24**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 10:15 **Site:**
Sample #: 418270-004 **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 15:00	JP	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	08/13/19	08/14/19 15:00	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	08/13/19	08/14/19 15:00	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**35000**	10	100	100	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**7.76**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**20.4**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.045**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.138**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**<1**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3
Total Coliform	**2000**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 10:40 **Site:**
Sample #: 418270-005 **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 15:20	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/13/19	08/14/19 15:20	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	08/13/19	08/14/19 17:41	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**5610**	2	20	20	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**7.58**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**20.7**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**0.021 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.266**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.816**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**520**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 12:30 **Site:**
Sample #: 418270-006 **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.32 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.324 J**	1	0.03	0.5	mg/L		08/21/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 15:40	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/13/19	08/14/19 15:40	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	08/13/19	08/14/19 18:01	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**7280**	4	40	40	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**8.40**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**20.9**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.324 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.110**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.337**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**29**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 10:55 **Site:**
Sample #: 418270-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.07 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.066 J**	1	0.03	0.5	mg/L		08/21/19	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 16:00	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/13/19	08/14/19 16:00	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	08/13/19	08/14/19 19:01	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**7390**	4	40	40	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**8.40**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**21.8**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.066 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.092**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.282**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**170**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:10 **Site:**
Sample #: 418270-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.52**	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.538**	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 16:20	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/13/19	08/14/19 16:20	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	08/13/19	08/14/19 19:21	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**7320**	4	40	40	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**8.56**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**20.9**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**0.020 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.538**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.079**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.242**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**96**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 12:00 **Site:**
Sample #: 418270-009 **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.44 J**	1	0.04	0.5	mg/L		08/23/19	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.507**	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 16:40	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/13/19	08/14/19 16:40	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	08/13/19	08/14/19 19:44	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**7440**	4	40	40	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**8.59**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**20.9**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**0.070 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.507**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.051**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.156**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**250**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/13/2019 11:18 **Site:**
Sample #: 418270-010 **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.93**	1	0.04	0.5	mg/L		08/23/19	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.950**	1	0.03	0.5	mg/L		08/21/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205357
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/13/19	08/14/19 17:00	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/13/19	08/14/19 17:00	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	08/13/19	08/14/19 20:07	JP	D2
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205607
Total Dissolved Solids	**7850**	4	40	40	mg/L	08/19/19	08/20/19	TP	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1205505
pH	**8.60**	1			pH Units		08/16/19 16:30	WW	T2
Temp. at Time of pH Measurement	**21.8**	1			°C		08/16/19 16:30	WW	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205384
Ammonia, as Nitrogen	**0.017 J**	1	0.01	0.1	mg/L	08/14/19	08/14/19	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.950**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205708
Total Phosphorous as P	**0.081**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.248**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205364
Fecal Coliform	**580**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3
Total Coliform	**>2400**	1			MPN/100ml	08/13/19 19:39	08/14/19	SEM	T3

QCBatchID: QC1205357 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/13/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205357MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	ND	mg/L	0.086	1	
Fluoride	ND	mg/L	0.093	0.2	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357LCS1											
Bromide	15		14.7		mg/L	98			90-110		
Chloride	100		102		mg/L	102			90-110		
Fluoride	20		21.2		mg/L	106			90-110		
Nitrate, as Nitrogen	9.03		8.86		mg/L	98			90-110		
Nitrite, as Nitrogen	9.15		9.65		mg/L	105			90-110		
Sulfate	50		46.0		mg/L	92			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205357MS1, QC1205357MSD1												**Source: 418202-001**
Bromide	0.293	15	15	14.9	15.6	mg/L	97	102	4.6	80-120	20	
Chloride	86.8	100	100	183	196	mg/L	96	109	6.9	80-120	20	
Fluoride	0.514	20	20	21.8	24.5	mg/L	106	120	11.7	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	8.87	9.33	mg/L	98	103	5.1	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.24	9.90	mg/L	101	108	6.9	80-120	20	
Sulfate	13.1	50	50	61.6	62.2	mg/L	97	98	1.0	80-120	20	
QC1205357MS2, QC1205357MSD2												**Source: 418205-001**
Bromide	0.305	15	15	15.0	15.4	mg/L	98	101	2.6	80-120	20	
Chloride	83.9	100	100	181	187	mg/L	97	103	3.3	80-120	20	
Fluoride	0.626	20	20	21.9	22.1	mg/L	106	107	0.9	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.00	9.17	mg/L	100	102	1.9	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.32	9.57	mg/L	102	105	2.6	80-120	20	
Sulfate	13.0	50	50	61.9	60.5	mg/L	98	95	2.3	80-120	20	

QCBatchID: QC1205384 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205384MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205384LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205384MS1, QC1205384MSD1												**Source: 418270-001**
Ammonia, as Nitrogen	0.098	2.5	2.5	2.50	2.50	mg/L	96	96	0.0	80-120	20	

QCBatchID: QC1205505	**Analyst:** wei	**Method:** SM 4500-H+B	
Matrix: Water	**Analyzed:** 08/16/2019	**Instrument:** CHEM (group)	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205505DUP1						**Source: 418270-010**
pH	8.60	8.60	pH Units	0.0	20	
Temp. at Time of pH Measurement	21.8	21.8	°C	0.0	20	

QCBatchID: QC1205551 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205551MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551MS1, QC1205551MSD1												**Source: 418345-001**
Total Kjeldahl Nitrogen	0.068	12.5	12.5	11	11	mg/L	87	87	0.0	80-120	20	

QCBatchID: QC1205607	**Analyst:** wei	**Method:** SM 2540-C	
Matrix: Water	**Analyzed:** 08/20/2019	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205607MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205607LCS1											
Total Dissolved Solids	95		98.0		mg/L	103			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205607DUP1						**Source: 418270-010**
Total Dissolved Solids	7850	8100	mg/L	3.1	5	

QCBatchID: QC1205708 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/20/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205708MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205708LCS1											
Total Phosphorous as P	0.4		0.380		mg/L	95			80-120		
Total Phosphorous as PO4	1.23		1.165		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205708MS1, QC1205708MSD1												**Source: 418347-001**
Total Phosphorous as P	0.092	0.4	0.4	0.535	0.535	mg/L	111	111	0.0	75-125	20	
Total Phosphorous as PO4	0.282	1.23	1.23	1.640	1.640	mg/L	110	110	0.0	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209

Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record

Lab No: 419270
Page: 1 of 1

Turn Around Time (Rush by advanced notice only)

Standard:	X	4 Day:		3 Day:	
2 Day:		1 Day:		Same Day:	

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 (re-sample)
Report To:	Kiernan Brtalik	Number:	Surface Water
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	Jaime McClain

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen, Total Nitrogen	pH						Test Instructions / Comments
N-001	8/13/19	1130	Sea Water	4		X	X	X	X	X						
N-002	8/13/19	1140		4		X	X	X	X	X						
N-003	8/13/19	1150		4		X	X	X	X	X						
N-004	8/13/19	1015		4		X	X	X	X	X						
L-001	8/13/19	1040		4		X	X	X	X	X						
L-002	8/13/19	1230		4		X	X	X	X	X						
L-003	8/13/19	1055		4		X	X	X	X	X						
L-004	8/13/19	1110		4		X	X	X	X	X						
L-005	8/13/19	1200		4		X	X	X	X	X						
L-006	8/13/19	1118	↓	4												

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Nira Navarro	Nira Navarro	Rincon consultants	8/13/19 / 1550
[1] Received By:	BEN S.	BEN S.	E.A.	8.13.19 1550
[2] Relinquished By:	BEN SAGARD	BEN SAGARD	ENTHALPY ANALYTICAL	8.13.19 1903
[2] Received By:	Christine Castro	Christine Castro	EA	8/13/19 1903
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon — Project: mainly resample

Date Received: 8/13/19 — Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 13 ☐ No (skip section 2) — Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: 3.6 #3: 12.7 #4: 6.0

(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: 3.0 #2: 2.9 #3: 7.6 #4: 1.9

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

(sample temp/cooler temp) 2.5/1.4, 8.6/6.7, 4.2/3.7, 3.8/2.4, 7.9/1.9, 2.6/1.3, 0.8/0.9, 7.3/0.9,1.3/1.3

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: 8/13/19

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931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Annual
Ground Water
15-01587

Lab Request: 418338
Report Date: 09/05/2019
Date Received: 08/14/2019
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418338-001	MCWP-MW075
418338-002	MCWP-MW07D
418338-003	SMBRP-12
418338-004	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

PRELIMINARY

Please use the data with caution as the results are preliminary and they have not undergone complete QC validation and/or second party review. The data is subject to change upon final review.

Preliminary report generated by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

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Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.06 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**3.22**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.432**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**100**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**2.36**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**92.9**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.110**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**3.71**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**195**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**1950**	20	66	200	ug/L		08/15/19	JP	
Antimony	**1.44**	1	0.228	0.5	ug/L		08/19/19	JP	
Arsenic	**6.34**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**51.6**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	50	8.4	25	ug/L		08/21/19	JP	D2
Cadmium	**0.193 J**	1	0.157	0.2	ug/L		08/19/19	JP	J
Chromium	**19.4 J**	50	5.9	50	ug/L		08/21/19	JP	B1,J
Copper	**12.9**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**2.99**	1	0.084	0.5	ug/L		08/19/19	JP	
Nickel	**21.4**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**2.38**	1	0.172	2	ug/L		08/19/19	JP	
Silver	**0.0310 J**	1	0.0083	0.2	ug/L		08/19/19	JP	J
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**23.9**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**208**	20	1.72	20	mg/L	08/14/19	08/15/19 22:18	JP	
Nitrate + Nitrite, as Nitrogen	**2.83**	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Nitrate, as Nitrogen	**2.83**	1	0.012	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:30	JP	
Sulfate	**179**	20	1.54	20	mg/L	08/14/19	08/15/19 22:18	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	1	0.303	2	ug/L		08/21/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	**0.31 J**	1	0.22	0.5	ug/L		08/15/19	LZ	J
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.9**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*108*	*70-145*	
Dibromofluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

PRELIMINARY RESULTS

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:30 **Site:**
Sample #: 418338-001 **Client Sample #:** MCWP-MW075 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*108*	*70-135*	
Dibromofluoromethane (SUR)	*102*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**180**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**380**	1	0.38	5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.19**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1080**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**82.0**	2.86	1.43	1.43	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:30	**Site:**			
Sample #:	**418338-001**	**Client Sample #:**	MCWP-MW075	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.512**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.94**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.329**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.389 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.065**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.199**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**6.01**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.025 J**	1	0.007	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	J
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**35**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:45 **Site:**
Sample #: 418338-002 **Client Sample #:** MCWP-MW07D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.09 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.360 J**	1	0.03	0.5	mg/L		08/26/19	SLL	J
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.597**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**225**	1	0.093	0.1	mg/L		08/20/19	KLN	
Iron	**0.099**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**151**	1	0.046	0.1	mg/L		08/20/19	KLN	
Manganese	**0.493**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**3.49**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**267**	1	0.119	0.5	mg/L		08/20/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**40.4**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.703**	1	0.228	0.5	ug/L		08/19/19	JP	
Arsenic	**2.63**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**50.0**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	**0.576**	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	**3.20 J**	10	1.18	10	ug/L		08/21/19	JP	B1,J
Copper	**5.71**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.130 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**11.2**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**7.22**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**7.11**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**349**	20	1.72	20	mg/L	08/14/19	08/15/19 22:38	JP	
Nitrate + Nitrite, as Nitrogen	**0.10**	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Nitrate, as Nitrogen	**0.10**	1	0.012	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 16:51	JP	
Sulfate	**641**	20	1.54	20	mg/L	08/14/19	08/15/19 22:38	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:45 **Site:**
Sample #: 418338-002 **Client Sample #:** MCWP-MW07D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	2	0.606	4	ug/L		08/21/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	**1.1**	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.9**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-145*	
4-Bromofluorobenzene (SUR)	*104*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 08:45 **Site:**
Sample #: 418338-002 **Client Sample #:** MCWP-MW07D **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*94*	*70-135*	
4-Bromofluorobenzene (SUR)	*104*	*70-135*	
Dibromofluoromethane (SUR)	*105*	*70-135*	
Toluene-d8 (SUR)	*105*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**0.71**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**450**	1	0.38	5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**0.09**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**2240**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**1.6**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 08:45	**Site:**			
Sample #:	**418338-002**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	**0.0030 J**	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	J
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.435**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.89**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.172**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**0.260 J**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.126**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.386**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**9.45**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.041**	1	0.007	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**7.4**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-003**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.51**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**6.90**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.929**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**101**	1	0.093	0.1	mg/L		08/21/19	KLN	
Iron	**1.49**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**75.0**	1	0.046	0.1	mg/L		08/21/19	KLN	
Manganese	**0.409**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**29.4**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**512**	1	0.119	0.5	mg/L		08/21/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**58.6**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.479 J**	1	0.228	0.5	ug/L		08/19/19	JP	J
Arsenic	**16.5**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**44.0**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	**0.314**	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	ND	10	1.18	10	ug/L		08/21/19	JP	D2
Copper	**3.70**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.140 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**18.2**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**3.32**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**6.93**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**401**	20	1.72	20	mg/L	08/14/19	08/15/19 22:59	JP	
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 17:11	JP	
Sulfate	**356**	20	1.54	20	mg/L	08/14/19	08/15/19 22:59	JP	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-003**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	**7.6**	2	0.606	4	ug/L		08/21/19	SBW	
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.5**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-145*	
4-Bromofluorobenzene (SUR)	*107*	*70-145*	
Dibromofluoromethane (SUR)	*102*	*70-145*	
Toluene-d8 (SUR)	*107*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

PRELIMINARY RESULTS

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-003 **Client Sample #:** SMBRP-12 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*95*	*70-135*	
4-Bromofluorobenzene (SUR)	*107*	*70-135*	
Dibromofluoromethane (SUR)	*102*	*70-135*	
Toluene-d8 (SUR)	*107*	*70-135*	

Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**15**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**300**	2.5	0.95	12.5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.30**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1740**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**17.1**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-003**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.558**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**6.98**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**6.39**	5	0.05	0.5	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**6.9**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**1.740**	5	0.05	0.1	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**5.34**	5	0.15	0.3	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**11.0**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.16**	1	0.007	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**1.0**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-004 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4022	Prep Method: None						QCBatchID:		
Chromium Trivalent		1	0.002	0.01	mg/L				
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.05 J**	1	0.04	0.5	mg/L		08/26/19	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.00**	1	0.03	0.5	mg/L		08/26/19	SLL	
Method: EPA 100.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1613B	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 1625C	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1664A	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 1694M	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1205434
Boron	**0.874**	1	0.03	0.05	mg/L		08/15/19	KLN	
Calcium	**68.8**	1	0.093	0.1	mg/L		08/21/19	KLN	
Iron	**0.694**	1	0.019	0.02	mg/L		08/15/19	KLN	
Magnesium	**68.7**	1	0.046	0.1	mg/L		08/21/19	KLN	
Manganese	**0.118**	1	0.006	0.01	mg/L		08/15/19	KLN	
Potassium	**14.4**	1	0.167	0.5	mg/L		08/20/19	KLN	
Sodium	**672**	1	0.119	0.5	mg/L		08/21/19	KLN	
Method: EPA 200.8	Prep Method: Method						QCBatchID:		QC1205425
Aluminum	**145**	1	3.3	10	ug/L		08/15/19	JP	
Antimony	**0.318 J**	1	0.228	0.5	ug/L		08/19/19	JP	J
Arsenic	**4.11**	1	0.188	2	ug/L		08/19/19	JP	
Barium	**13.7**	1	0.61	5	ug/L		08/15/19	JP	
Beryllium	ND	10	1.68	5	ug/L		08/21/19	JP	D2
Cadmium	ND	1	0.157	0.2	ug/L		08/19/19	JP	
Chromium	**6.19 J**	10	1.18	10	ug/L		08/21/19	JP	B1,J
Copper	**5.03**	1	0.186	0.5	ug/L		08/19/19	JP	
Lead	**0.088 J**	1	0.084	0.5	ug/L		08/19/19	JP	J
Nickel	**8.08**	1	0.549	1	ug/L		08/19/19	JP	
Selenium	**4.44**	1	0.172	2	ug/L		08/19/19	JP	
Silver	ND	1	0.0083	0.2	ug/L		08/19/19	JP	
Thallium	ND	1	0.141	1	ug/L		08/19/19	JP	
Zinc	**8.22**	1	0.698	1	ug/L		08/19/19	JP	
Method: EPA 218.6	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 245.1	Prep Method: Method						QCBatchID:		QC1205559
Mercury	ND	1	0.094	0.2	ug/L		08/18/19	KLN	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205464
Chloride	**509**	20	1.72	20	mg/L	08/14/19	08/15/19 23:19	CO	
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/14/19	08/15/19 18:12	CO	
Sulfate	**485**	20	1.54	20	mg/L	08/14/19	08/15/19 23:19	CO	
Method: EPA 300.1	Prep Method: Method						QCBatchID:		
See Attached		1							

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-004**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 314.0	Prep Method: Method						QCBatchID: QC1205713		
Perchlorate	ND	2	0.606	4	ug/L		08/21/19	SBW	D2
Method: EPA 504.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 508	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 515.3	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 524.2	Prep Method: 5030B						QCBatchID: QC1205402		
1,1,1-Trichloroethane	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
1,1,2,2-Tetrachloroethane	ND	1	0.25	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethane	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
1,1-Dichloroethene	ND	1	0.31	0.5	ug/L		08/15/19	LZ	
1,2,4-Trichlorobenzene	ND	1	0.14	0.5	ug/L		08/15/19	LZ	
1,2-Dichlorobenzene	ND	1	0.37	0.5	ug/L		08/15/19	LZ	
1,2-Dichloroethane	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
1,2-Dichloropropane	ND	1	0.35	0.5	ug/L		08/15/19	LZ	
1,3-Dichlorobenzene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
1,4-Dichlorobenzene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Benzene	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromodichloromethane	ND	1	0.27	0.5	ug/L		08/15/19	LZ	
Bromoform	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Bromomethane	ND	1	0.42	0.5	ug/L		08/15/19	LZ	
Carbon Tetrachloride	ND	1	0.26	0.5	ug/L		08/15/19	LZ	
Chlorobenzene	ND	1	0.19	0.5	ug/L		08/15/19	LZ	
Chlorodibromomethane	ND	1	0.36	0.5	ug/L		08/15/19	LZ	
Chloroethane	ND	1	0.47	0.5	ug/L		08/15/19	LZ	
Chloroform	ND	1	0.17	0.5	ug/L		08/15/19	LZ	
Chloromethane	ND	1	0.45	0.5	ug/L		08/15/19	LZ	
cis-1,2-Dichloroethene	ND	1	0.22	0.5	ug/L		08/15/19	LZ	
cis-1,3-dichloropropene	ND	1	0.34	0.5	ug/L		08/15/19	LZ	
Ethylbenzene	ND	1	0.2	0.5	ug/L		08/15/19	LZ	
m and p-Xylene	ND	1	0.51	0.5	ug/L		08/15/19	LZ	
Methylene chloride	**1.8**	1	0.5	0.5	ug/L		08/15/19	LZ	B,C
Methyl-t-butyl Ether (MTBE)	ND	1	0.1	0.5	ug/L		08/15/19	LZ	
Styrene	ND	1	0.29	0.5	ug/L		08/15/19	LZ	
Tetrachloroethene	ND	1	0.4	0.5	ug/L		08/15/19	LZ	
Toluene	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
trans-1,2-dichloroethene	ND	1	0.21	0.5	ug/L		08/15/19	LZ	
trans-1,3-dichloropropene	ND	1	0.24	0.5	ug/L		08/15/19	LZ	
Trichloroethene	ND	1	0.44	0.5	ug/L		08/15/19	LZ	
Trichlorofluoromethane	ND	1	0.3	0.5	ug/L		08/15/19	LZ	
Vinyl Chloride	ND	1	0.3	0.5	ug/L		08/15/19	LZ	

Surrogate	*% Recovery*	*Limits*	*Notes*
1,2-Dichloroethane-d4 (SUR)	*91*	*70-145*	
4-Bromofluorobenzene (SUR)	*106*	*70-145*	
Dibromofluoromethane (SUR)	*105*	*70-145*	
Toluene-d8 (SUR)	*105*	*70-145*	

Method: EPA 525.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 531.1	Prep Method: Method						QCBatchID:		

PRELIMINARY RESULTS

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/14/2019 12:30 **Site:**
Sample #: 418338-004 **Client Sample #:** MCWP-MW09 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
See Attached		1							
Method: EPA 547	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 548.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 549.2	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 552.2	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 624	Prep Method: 5030B						QCBatchID:		QC1205401
2-Chloroethyl Vinyl Ether	ND	1	0.23	1	ug/L		08/15/19	LZ	
Acrolein	ND	1	3.3	5	ug/L		08/15/19	LZ	
Acrylonitrile	ND	1	1.6	2	ug/L		08/15/19	LZ	
Surrogate	*% Recovery*		*Limits*		*Notes*				
1,2-Dichloroethane-d4 (SUR)	*91*		*70-135*						
4-Bromofluorobenzene (SUR)	*106*		*70-135*						
Dibromofluoromethane (SUR)	*105*		*70-135*						
Toluene-d8 (SUR)	*105*		*70-135*						
Method: EPA 625	Prep Method: See Attached						QCBatchID:		
See Attached		1							
Method: EPA 900.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 903.1	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 904.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 905.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 906.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: EPA 908.0	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1205448
Color	ND	1	5	5	Color Unit		08/15/19 14:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1205449
Turbidity	**0.92**	1	0.074	0.1	NTU		08/15/19 14:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1205447
Odor Threshold	ND	1	1	1	T.O.N		08/15/19 14:00	WW	
Method: SM 2320-B	Prep Method: Method						QCBatchID:		QC1205767
Total Alkalinity (as CaCO3)	**300**	2.5	0.95	12.5	mg/L		08/23/19	WW	
Method: SM 2330B	Prep Method: Method						QCBatchID:		QC1205859
CCPP	**-0.30**	1					08/26/19	SLL	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205609
Total Dissolved Solids	**1900**	2	20	20	mg/L		08/20/19	TP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1205579
Total Suspended Solids	**6.7**	1.11	0.555	0.555	mg/L	08/16/19	08/16/19	NP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1205468
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		08/15/19 16:55	WW	T2
Method: SM 4500-CN-E	Prep Method: Method						QCBatchID:		QC1205643

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	08/14/2019 12:30	**Site:**			
Sample #:	**418338-004**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Cyanide	ND	1	0.0022	0.01	mg/L	08/15/19	08/19/19	TP	
Method: SM 4500-F-C	Prep Method: Method						QCBatchID:		QC1205646
Fluoride	**0.576**	1	0.003	0.1	mg/L	08/20/19	08/20/19	NP	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1205502
pH	**7.17**	1			pH Units		08/15/19 17:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**1.95**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205551
Total Kjeldahl Nitrogen	**2.0**	1	0.052	0.4	mg/L	08/15/19	08/17/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205707
Total Phosphorous as P	**0.233**	1	0.01	0.02	mg/L	08/20/19	08/20/19	TP	
Total Phosphorous as PO4	**0.714**	1	0.03	0.06	mg/L	08/20/19	08/20/19	TP	
Method: SM 5210-B	Prep Method: Method						QCBatchID:		
See Attached		1							
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1205572
Total Organic Carbon (TOC)	**3.94**	1	0.091	1	mg/L	08/16/19	08/16/19	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1205564
MBAS	**0.080**	1	0.007	0.04	mg/L	08/15/19 08:30	08/15/19 15:11	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205410
Fecal Coliform	**<1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	
Total Coliform	**4.1**	1			MPN/100ml	08/14/19 18:27	08/15/19	SEM	

QCBatchID: QC1205401 **Analyst:** lucy **Method:** EPA 624

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205401MB1					
1,1-Dichloroethene	ND	ug/L	0.13	0.5	
1,2-Dibromoethane	ND	ug/L	0.043	0.5	
2-Chloroethyl Vinyl Ether	ND	ug/L	0.23	1	
Acrolein	ND	ug/L	3.3	5	
Acrylonitrile	ND	ug/L	1.6	2	
Benzene	ND	ug/L	0.071	0.5	
Chlorobenzene	ND	ug/L	0.075	0.5	
Toluene	ND	ug/L	0.078	0.5	
Trichloroethene	ND	ug/L	0.078	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401LCS1											
1,1-Dichloroethene	50		50		ug/L	100			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		53		ug/L	106			60-133		
Toluene	50		54		ug/L	108			59-139		
Trichloroethene	50		53		ug/L	106			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205401MS1, QC1205401MSD1												**Source: 418235-001**
1,1-Dichloroethene	ND	50	50	56	54	ug/L	112	108	3.6	59-172	22	
Benzene	ND	50	50	53	51	ug/L	106	102	3.8	62-137	24	
Chlorobenzene	ND	50	50	55	54	ug/L	110	108	1.8	60-133	21	
Toluene	ND	50	50	56	56	ug/L	112	112	0.0	59-139	21	
Trichloroethene	ND	50	50	58	57	ug/L	116	114	1.7	66-142	21	

QCBatchID: QC1205402	**Analyst:** lucy		**Method:** EPA 524.2		
Matrix: Water	**Analyzed:** 08/14/2019		**Instrument:** VOA-MS (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
1,1,1,2-Tetrachloroethane	ND	ug/L	0.37	0.5	
1,1,1-Trichloroethane	ND	ug/L	0.22	0.5	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.25	0.5	
1,1,2-Trichloroethane	ND	ug/L	0.2	0.5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	0.45	0.5	
1,1-Dichloroethane	ND	ug/L	0.24	0.5	
1,1-Dichloroethene	ND	ug/L	0.31	0.5	
1,1-Dichloropropene	ND	ug/L	0.38	0.5	
1,2,3-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trichlorobenzene	ND	ug/L	0.14	0.5	
1,2,4-Trimethylbenzene	ND	ug/L	0.35	0.5	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.52	0.5	
1,2-Dibromoethane	ND	ug/L	0.33	0.5	
1,2-Dichlorobenzene	ND	ug/L	0.37	0.5	
1,2-Dichloroethane	ND	ug/L	0.2	0.5	
1,2-Dichloropropane	ND	ug/L	0.35	0.5	
1,3,5-Trimethylbenzene	ND	ug/L	0.45	0.5	
1,3-Dichlorobenzene	ND	ug/L	0.44	0.5	
1,3-Dichloropropane	ND	ug/L	0.17	0.5	
1,4-Dichlorobenzene	ND	ug/L	0.34	0.5	
2,2-Dichloropropane	ND	ug/L	0.39	0.5	
2-Chlorotoluene	ND	ug/L	0.36	0.5	
4-Chlorotoluene	ND	ug/L	0.34	0.5	
4-Isopropyltoluene	ND	ug/L	0.41	0.5	
Benzene	ND	ug/L	0.27	0.5	
Bromobenzene	ND	ug/L	0.26	0.5	
Bromochloromethane	ND	ug/L	0.26	0.5	
Bromodichloromethane	ND	ug/L	0.27	0.5	
Bromoform	ND	ug/L	0.34	0.5	
Bromomethane	ND	ug/L	0.42	0.5	
Carbon Tetrachloride	ND	ug/L	0.26	0.5	
Chlorobenzene	ND	ug/L	0.19	0.5	
Chlorodibromomethane	ND	ug/L	0.36	0.5	
Chloroethane	ND	ug/L	0.47	0.5	
Chloroform	ND	ug/L	0.17	0.5	
Chloromethane	ND	ug/L	0.45	0.5	
cis-1,2-Dichloroethene	ND	ug/L	0.22	0.5	
cis-1,3-dichloropropene	ND	ug/L	0.34	0.5	
Dibromomethane	ND	ug/L	0.3	0.5	
Dichlorodifluoromethane	ND	ug/L	0.45	0.5	
Ethylbenzene	ND	ug/L	0.2	0.5	
Hexachlorobutadiene	ND	ug/L	0.22	0.5	
Isopropylbenzene	ND	ug/L	0.42	0.5	
m and p-Xylene	ND	ug/L	0.51	0.5	
Methylene chloride	**3.6**	ug/L	0.5	0.5	B
Methyl-t-butyl Ether (MTBE)	ND	ug/L	0.1	0.5	
Naphthalene	ND	ug/L	0.1	0.5	
N-butylbenzene	ND	ug/L	0.49	0.5	
N-propylbenzene	ND	ug/L	0.35	0.5	
o-Xylene	ND	ug/L	0.32	0.5	
Sec-butylbenzene	ND	ug/L	0.39	0.5	
Styrene	ND	ug/L	0.29	0.5	

QCBatchID: QC1205402 **Analyst:** lucy **Method:** EPA 524.2

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** VOA-MS (group)

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205402MB1					
Tert-butylbenzene	ND	ug/L	0.39	0.5	
Tetrachloroethene	ND	ug/L	0.4	0.5	
Toluene	ND	ug/L	0.3	0.5	
Total Trihalomethanes (THM's)	ND	ug/L	0.31	1	
trans-1,2-dichloroethene	ND	ug/L	0.21	0.5	
trans-1,3-dichloropropene	ND	ug/L	0.24	0.5	
Trichloroethene	ND	ug/L	0.44	0.5	
Trichlorofluoromethane	ND	ug/L	0.3	0.5	
Vinyl Chloride	ND	ug/L	0.3	0.5	
Xylenes (Total)	ND	ug/L	0.51	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402LCS1											
1,1-Dichloroethene	50		49		ug/L	98			59-172		
Benzene	50		48		ug/L	96			62-137		
Chlorobenzene	50		51		ug/L	102			60-133		
Methyl-t-butyl Ether (MTBE)	50		46		ug/L	92			62-137		
Toluene	50		52		ug/L	104			59-139		
Trichloroethene	50		52		ug/L	104			66-142		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205402MS1												**Source: 418264-003**
1,1-Dichloroethene	ND	50		55		ug/L	110			59-172		
Benzene	ND	50		52		ug/L	104			62-137		
Chlorobenzene	ND	50		55		ug/L	110			60-133		
Methyl-t-butyl Ether (MTBE)	ND	50		49		ug/L	98			62-137		
Toluene	ND	50		57		ug/L	114			59-139		
Trichloroethene	ND	50		58		ug/L	116			66-142		

QCBatchID: QC1205425 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205425MB1					
Aluminum	**3.38 J**	ug/L	3.3	10	
Antimony	ND	ug/L	1.3	2	
Arsenic	ND	ug/L	0.31	2	
Barium	ND	ug/L	0.61	5	
Beryllium	ND	ug/L	0.31	1	
Cadmium	ND	ug/L	0.074	1	
Chromium	**0.655 J**	ug/L	0.16	2	
Copper	**0.130 J**	ug/L	0.12	2	
Lead	ND	ug/L	0.76	5	
Nickel	ND	ug/L	0.59	5	
Selenium	ND	ug/L	0.39	2	
Silver	ND	ug/L	0.56	5	
Thallium	ND	ug/L	0.18	1	
Zinc	ND	ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425LCS1											
Aluminum	50		51.9		ug/L	104			85-115		
Antimony	50		53.5		ug/L	107			85-115		
Arsenic	50		46.7		ug/L	93			85-115		
Barium	50		48.5		ug/L	97			85-115		
Beryllium	50		44.2		ug/L	88			85-115		
Cadmium	50		48.4		ug/L	97			85-115		
Chromium	50		47.1		ug/L	94			85-115		
Copper	50		46.1		ug/L	92			85-115		
Lead	50		49.2		ug/L	98			85-115		
Nickel	50		46.5		ug/L	93			85-115		
Selenium	50		44.2		ug/L	88			85-115		
Silver	50		47.0		ug/L	94			85-115		
Thallium	50		46.7		ug/L	93			85-115		
Zinc	50		48.3		ug/L	97			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425MS1												**Source: 418305-001**
Aluminum	ND	50		70.1		ug/L	140			70-130		M
Antimony	ND	50		55.9		ug/L	112			70-130		
Arsenic	1.52	50		47.8		ug/L	93			70-130		
Barium	23.6	50		73.1		ug/L	99			70-130		
Beryllium	ND	50		97.6		ug/L	195			70-130		M
Cadmium	ND	50		47.3		ug/L	95			70-130		
Chromium	3.66	50		59.7		ug/L	112			70-130		
Copper	1.48	50		43.1		ug/L	83			70-130		
Lead	ND	50		48.7		ug/L	97			70-130		
Nickel	2.14	50		45.3		ug/L	86			70-130		
Selenium	0.624	50		42.7		ug/L	84			70-130		
Silver	ND	50		44.1		ug/L	88			70-130		
Thallium	ND	50		46.7		ug/L	93			70-130		
Zinc	ND	50		46.9		ug/L	94			70-130		

QCBatchID: QC1205425 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205425MS2												**Source: 418309-001**
Aluminum	ND	50		60.5		ug/L	121			70-130		
Antimony	ND	50		56.2		ug/L	112			70-130		
Arsenic	1.20	50		46.7		ug/L	91			70-130		
Barium	63.1	50		112		ug/L	98			70-130		
Beryllium	ND	50		91.8		ug/L	184			70-130		M
Cadmium	ND	50		47.6		ug/L	95			70-130		
Chromium	7.22	50		64.9		ug/L	115			70-130		
Copper	19.3	50		60.6		ug/L	83			70-130		
Lead	ND	50		52.2		ug/L	104			70-130		
Nickel	3.24	50		47.6		ug/L	89			70-130		
Selenium	1.16	50		44.1		ug/L	86			70-130		
Silver	ND	50		44.4		ug/L	89			70-130		
Thallium	ND	50		49.8		ug/L	100			70-130		
Zinc	4.17	50		47.7		ug/L	87			70-130		

QCBatchID: QC1205434 **Analyst:** sbailey-woo **Method:** EPA 200.7

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205434MB1					
Boron	ND	mg/L	0.03	0.05	
Calcium	ND	mg/L	0.093	0.1	
Copper	ND	mg/L	0.008	0.01	
Iron	ND	mg/L	0.019	0.02	
Magnesium	ND	mg/L	0.046	0.1	
Manganese	ND	mg/L	0.006	0.01	
Potassium	ND	mg/L	0.167	0.5	
Sodium	ND	mg/L	0.119	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434LCS1											
Boron	2		2.04		mg/L	102			85-115		
Calcium	20		22.7		mg/L	114			85-115		
Copper	2		2.21		mg/L	111			85-115		
Iron	2		2.22		mg/L	111			85-115		
Magnesium	20		22.5		mg/L	113			85-115		
Manganese	2		2.08		mg/L	104			85-115		
Potassium	38		39.0		mg/L	103			85-115		
Sodium	20		21.4		mg/L	107			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205434MS1												**Source: 418266-001**
Boron	0.346	1		1.37		mg/L	102			75-125		
Calcium	79.4	20		112		mg/L	163			75-125		M
Copper	0.032	1		1.07		mg/L	104			75-125		
Iron	0.452	1		1.56		mg/L	111			75-125		
Magnesium	26.6	20		52.2		mg/L	128			75-125		M
Manganese	0.016	1		1.03		mg/L	101			75-125		
Potassium	5.19	29		37.1		mg/L	110			75-125		
Sodium	85.9	20		116		mg/L	151			75-125		M

QCBatchID:	**QC1205447**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205447DUP1						**Source: 418353-005**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1205448**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205448DUP1						**Source: 418353-005**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1205449**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	08/15/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205449DUP1						**Source: 418353-005**
Turbidity	0.52	0.51	NTU	1.9	20	

QCBatchID: QC1205464 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/14/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205464MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205464LCS1											
Chloride	100		103		mg/L	103			90-110		
Nitrate, as Nitrogen	9.03		9.06		mg/L	100			90-110		
Nitrate, as NO3	40		40.2		mg/L	101			90-110		
Nitrite, as Nitrogen	9.15		9.98		mg/L	109			90-110		
Nitrite, as NO2	30		32.7		mg/L	109			90-110		
Sulfate	50		47.1		mg/L	94			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205464MS1, QC1205464MSD1												**Source: 418322-002**
Chloride	126	100	100	218	218	mg/L	92	92	0.0	80-120	20	
Nitrate, as Nitrogen	2.50	9.03	9.03	11.6	11.7	mg/L	101	102	0.9	80-120	20	
Nitrate, as NO3	11.1	40	40	51.5	51.8	mg/L	101	102	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.70	9.74	mg/L	106	106	0.4	80-120	20	
Nitrite, as NO2	ND	30	30	31.8	32.0	mg/L	106	107	0.6	80-120	20	
Sulfate	3.27	50	50	52.2	52.2	mg/L	98	98	0.0	80-120	20	
QC1205464MS2, QC1205464MSD2												**Source: 418322-004**
Chloride	133	100	100	223	223	mg/L	90	90	0.0	80-120	20	
Nitrate, as Nitrogen	2.77	9.03	9.03	11.9	11.9	mg/L	101	101	0.0	80-120	20	
Nitrate, as NO3	12.3	40	40	52.6	52.5	mg/L	101	101	0.2	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.67	9.90	mg/L	106	108	2.4	80-120	20	
Nitrite, as NO2	ND	30	30	31.7	32.5	mg/L	106	108	2.5	80-120	20	
Sulfate	4.35	50	50	53.5	53.8	mg/L	98	99	0.6	80-120	20	

QCBatchID: QC1205468	**Analyst:** wei		**Method:** SM 4500-Cl		
Matrix: Water	**Analyzed:** 08/15/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205468MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205468LCS1											
Chlorine, Total Residual	1		0.97		mg/L	97			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205468DUP1						**Source: 418348-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1205502**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205502DUP1						**Source: 418347-001**
pH	6.70	6.71	pH Units	0.1	20	
Temp. at Time of pH Measurement	14.8	15	°C	1.3	20	

QCBatchID: QC1205522 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result		Units	MDL	RDL	Notes
QC1205522MB1						
Antimony	ND		ug/L	1.3	2	
Arsenic	ND		ug/L	0.31	2	
Beryllium	ND		ug/L	0.31	1	
Boron	ND		ug/L	0.95	5	
Cadmium	ND		ug/L	0.074	1	
Chromium	**0.577**	**J**	ug/L	0.16	2	
Copper	ND		ug/L	0.12	2	
Iron	**9.53**	**J**	ug/L	8.2	25	
Lead	ND		ug/L	0.76	5	
Manganese	**0.338**	**J**	ug/L	0.16	10	
Nickel	**0.618**	**J**	ug/L	0.59	5	
Selenium	ND		ug/L	0.39	2	
Silver	ND		ug/L	0.56	5	
Thallium	ND		ug/L	0.18	1	
Zinc	ND		ug/L	2.7	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205522LCS1											
Antimony	50		55.2		ug/L	110			85-115		
Arsenic	50		49.1		ug/L	98			85-115		
Beryllium	50		46.2		ug/L	92			85-115		
Boron	50		45.9		ug/L	92			85-115		
Cadmium	50		51.5		ug/L	103			85-115		
Chromium	50		53.6		ug/L	107			85-115		
Copper	50		50.6		ug/L	101			85-115		
Iron	50		53.1		ug/L	106			85-115		
Lead	50		54.2		ug/L	108			85-115		
Manganese	50		51.3		ug/L	103			85-115		
Nickel	50		54.1		ug/L	108			85-115		
Selenium	50		49.2		ug/L	98			85-115		
Silver	50		51.0		ug/L	102			85-115		
Thallium	50		52.7		ug/L	105			85-115		
Zinc	50		55.6		ug/L	111			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205522MS1												**Source: 418401-001**
Antimony	ND	0.05		0.0583		mg/L	117			75-125		
Arsenic	0.00133	0.05		0.0537		mg/L	105			75-125		
Beryllium	ND	0.05		0.0568		mg/L	113			75-125		
Boron	0.241	0.05		0.287		mg/L	92			75-125		
Cadmium	ND	0.05		0.0508		mg/L	102			75-125		
Chromium	0.00448	0.05		0.0497		mg/L	90			75-125		
Copper	0.148	0.05		0.193		mg/L	90			75-125		
Iron	0.277	0.05		0.302		mg/L	50			75-125		NC
Lead	0.00126	0.05		0.0512		mg/L	100			75-125		
Manganese	0.00239	0.05		0.0504		mg/L	96			75-125		
Nickel	0.00623	0.05		0.0526		mg/L	93			75-125		
Selenium	0.00152	0.05		0.0606		mg/L	118			75-125		

QCBatchID: QC1205522 **Analyst:** sbailey-woo **Method:** EPA 200.8

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** AAICP (group)

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205522MS1												**Source: 418401-001**
Silver	ND	0.05		0.0470		mg/L	94			75-125		
Thallium	ND	0.05		0.0492		mg/L	98			75-125		
Zinc	0.0271	0.05		0.0751		mg/L	96			75-125		
QC1205522MS2												**Source: 418366-001**
Antimony	ND	50		57.8		ug/L	116			70-130		
Arsenic	1.31	50		50.6		ug/L	99			70-130		
Beryllium	ND	50		52.6		ug/L	105			70-130		
Boron	253	50		298		ug/L	90			70-130		
Cadmium	ND	50		50.7		ug/L	101			70-130		
Chromium	1.64	50		53.1		ug/L	103			70-130		
Copper	1.34	50		46.6		ug/L	91			70-130		
Iron	422	50		506		ug/L	168			70-130		NC
Lead	ND	50		52.2		ug/L	104			70-130		
Manganese	127	50		193		ug/L	132			70-130		M
Nickel	4.32	50		57.9		ug/L	107			70-130		
Selenium	1.02	50		48.0		ug/L	94			70-130		
Silver	ND	50		47.4		ug/L	95			70-130		
Thallium	ND	50		52.7		ug/L	105			70-130		
Zinc	4.71	50		52.7		ug/L	96			70-130		

QCBatchID: QC1205551 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/17/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205551MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551LCS1											
Total Kjeldahl Nitrogen	2.5		2.4		mg/L	96			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205551MS1, QC1205551MSD1												**Source: 418345-001**
Total Kjeldahl Nitrogen	0.068	12.5	12.5	11	11	mg/L	87	87	0.0	80-120	20	

QCBatchID: QC1205559 **Analyst:** sbailey-woo **Method:** EPA 245.1

Matrix: Water **Analyzed:** 08/18/2019 **Instrument:** AAICP-HG1

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205559MB1					
Mercury	ND	ug/L	0.094	0.2	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205559LCS1											
Mercury	5		5.17		ug/L	103			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205559MS1, QC1205559MSD1												**Source: 418338-001**
Mercury	ND	5	5	4.94	4.51	ug/L	99	90	9.1	75-125	20	

QCBatchID: QC1205564 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205564MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205564LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205564MS1, QC1205564MSD1												**Source: 418307-001**
MBAS	0.026	1	1	0.99	0.97	mg/L	96	94	2.0	75-125	20	

QCBatchID: QC1205572 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 08/16/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205572MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205572LCS1											
Total Organic Carbon (TOC)	10		9.42		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205572MS1, QC1205572MSD1												**Source: 418424-001**
Total Organic Carbon (TOC)	6.55	80	80	88.7	89.5	mg/L	103	104	0.9	80-120	20	

QCBatchID:	**QC1205579**	**Analyst:**	npham	**Method:**	SM 2540-D
Matrix:	Water	**Analyzed:**	08/16/2019	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205579MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205579DUP1						**Source: 418369-001**
Total Suspended Solids	ND	ND	mg/L	0.0	5	

QCBatchID: QC1205609 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205609MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205609LCS1											
Total Dissolved Solids	95		98.0		mg/L	103			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205609DUP1						**Source: 418338-002**
Total Dissolved Solids	2240	2160	mg/L	3.6	5	

QCBatchID: QC1205643 **Analyst:** trinh **Method:** SM 4500-CN-E

Matrix: Water **Analyzed:** 08/19/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205643MB1					
Cyanide	ND	mg/L	0.0022	0.01	
Cyanide, Amenable to Chlorination	ND	mg/L	0.0022	0.01	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643LCS1											
Cyanide	0.2		0.19		mg/L	95			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205643MS1, QC1205643MSD1												**Source: 418338-002**
Cyanide	0.0030	0.2	0.2	0.21	0.21	mg/L	104	104	0.0	80-120	20	

QCBatchID: QC1205646 **Analyst:** npham **Method:** SM 4500-F-C

Matrix: Water **Analyzed:** 08/20/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205646MB1					
Fluoride	ND	mg/L	0.003	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205646LCS1											
Fluoride	1		1.01		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205646MS1, QC1205646MSD1												**Source: 418277-001**
Fluoride	0.284	1	1	1.33	1.34	mg/L	105	106	0.7	75-125	20	

QCBatchID: QC1205707	**Analyst:** trinh	**Method:** SM 4500-P-B-5-E			
Matrix: Water	**Analyzed:** 08/20/2019	**Instrument:** CHEM (group)			

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205707MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707LCS1											
Total Phosphorous as P	0.4		0.417		mg/L	104			80-120		
Total Phosphorous as PO4	1.3		1.28		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205707MS1, QC1205707MSD1												**Source: 418276-001**
Total Phosphorous as P	0.251	0.4	0.4	0.837	0.835	mg/L	147	146	0.2	75-125	20	M
Total Phosphorous as PO4	0.770	1.3	1.3	2.57	2.56	mg/L	139	138	0.4	75-125	20	M

QCBatchID: QC1205713 **Analyst:** sbailey-woo **Method:** EPA 314.0

Matrix: Water **Analyzed:** 08/21/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205713MB1					
Perchlorate	ND	ug/L	0.303	4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205713LCS1											
Perchlorate	50		52		ug/L	104			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205713MS1, QC1205713MSD1												**Source: 418590-001**
Perchlorate	1.7	50	50	49	49	ug/L	95	95	0.0	80-120	20	

QCBatchID: QC1205741	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 08/22/2019		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205741MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			-		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741MS1, QC1205741MSD1												**Source: 418338-001**
Ammonia, as Nitrogen	0.329	2.5	2.5	2.61	2.58	mg/L	91	90	1.2			

QCBatchID: QC1205767 **Analyst:** wei **Method:** SM 2320-B

Matrix: Water **Analyzed:** 08/23/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205767MB1					
Bicarbonate (HCO3)	ND	mg/L	5	5	
Carbonate (CO3)	ND	mg/L	5	5	
Hydroxide (OH)	ND	mg/L	5	5	
Total Alkalinity (as CaCO3)	ND	mg/L	0.38	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205767LCS1											
Total Alkalinity (as CaCO3)	100		95		mg/L	95			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205767DUP1						**Source: 418340-001**
Bicarbonate (HCO3)	1400	1400	mg/L	0.0	20	
Carbonate (CO3)	ND	ND	mg/L	0.0	20	
Hydroxide (OH)	ND	ND	mg/L	0.0	20	
Total Alkalinity (as CaCO3)	1200	1200	mg/L	0.0	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 418338	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 3	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	FI. = 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:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Q	EPA 200.7 (B), 200.8 (see list), 245.	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA	SM 4500-CN E; TKN; NH3; Phospho	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; C	SM 2330B Corrosivity; EPA 218.6 Cr	EPA 1664A Oil & Grease; EPA 1625	EPA 1613 TCDD only; EPA 608 LL; E	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
NN	~~SMBRP-13~~ MCWP-MW07S	8/14/19	830	W			X	X	X	X	X	X	X	X	X	X	
NN	~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	X	X	X	X	X	X	X	X	
NN	~~MCWP-MW10~~ SMBRP-12	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
NN	~~CCRE~~ MCWP-MW09	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
	~~SMBRP-78~~	~~8/ /19~~		W			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	NN
	~~MCWP-MW05~~	~~8/ /19~~		W			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	NN

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, Inc.	8.14.19 / 1500
1 Received By:			Enthalpy	8/14/19 1500
2 Relinquished By:			Enthalpy	8/14/19 1808
2 Received By:			EA	8/14/19 1808
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 410338	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 3	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:	15-01587
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Nico Navarro

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Ura	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0	EPA 504.1 EDB, DBCP; EPA 525.2 (s	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Dio	EPA 547 Glyphosate; EPA 552.2 HA	Test Instructions / Comments
NN ~~SMBRP-13~~ MCWP-MW075	8/14/19	830	W			X	X	X	X	X	X	X	X	X	X	
NN ~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	X	X	X	X	X	X	X	X	
NN ~~MCWP-MW10~~ SMBRP-12	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
NN ~~CCPE~~ MCWP-MW09	8/14/19	1230	W			X	X	X	X	X	X	X	X	X	X	
~~SMBRP-78~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN
~~MCWP-MW05~~	~~8/ /19~~		W			X	X	X	X	X	X	X	X	X	X	NN

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Nico Navarro	Nico Navarro	Rincon Consultants, inc.	8.14.19 1500
1 Received By:			Enthalpy	8/14/19 1500
2 Relinquished By:			Enthalpy	8/14/19 1808
2 Received By:		Christine Castro	EPA	8/14/19 1808
3 Relinquished By:				
3 Received By:				

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 418338	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	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	
ENTHALPY analytical, inc.	SW = Swab W = Water WP = Wipe O = Other	

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	
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.	EPA 1694M-ESI+/ESI-/APCI (see list	EPA 608 Pest/PCBs	Test Instructions / Comments
NN ~~SMBRP-13~~ MCWP-MW075	8/14/19	830	W			X	X	
NN ~~MCWP-MW06~~ MCWP-MW07D	8/14/19	845	W			X	X	
NN MCWP-MW10 SMBRP-12	8/14/19	1230	W			X	X	
NN ~~CCPE~~ MCWP-MW09	8/14/19	1230	W			X	X	
~~SMBRP-78~~	~~8/ /19~~		W			X	X	NN
~~MCWP-MW65~~	~~8/ /19~~		W			X	X	NN

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Nico Navarro	Rincon Consultants, Inc.	8.14.19 1500
[1] Received By:			Enthalpy	8/14/19 1500
[2] Relinquished By:			Enthalpy	8/14/19 1808
[2] Received By:		Christine Castro	EA	8/14/19 1808
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/14/19 Sampler's Name Present: ☐ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 7 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 11.4 #2: 13.6 #3: 12.5 #4: 10.3

(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: 10.2 #2: 13.0 #3: 9.4 #4: 5.3

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

(sample/cooler) 10.0/8.5, 14.0/0.6, 1.4/0.8, 1.8/1.4

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: 8/14/19

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-4817-1
Client Project/Site: 418338

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/25/2019 10:31:40 PM

Xuan Dang, Project Manager I
(714)895-5494
xuandang@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 570-4817-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-4817-1

Comments
No additional comments.

Receipt
The samples were received on 8/15/2019 5:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC Semi VOA
Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12951 and 570-12951 and analytical batch 570-12974.LCS/LCSD perform to meet QC requirement.

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

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

Organic Prep
Method(s) 1664A: The following samples required a copper clean-up to reduce matrix interferences caused by sulfur: MCWP-MW075 (418338-001) (570-4817-1), MCWP-MW07D (418338-002) (570-4817-2), SMBRP-12 (418338-003) (570-4817-3) and MCWP-MW09 (418338-004) (570-4817-4).

Method(s) 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-12951 and 570-12951.LCS/LCSD perform to meet QC requirement

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

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Client Sample ID: MCWP-MW075 (418338-001) — Lab Sample ID: 570-4817-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.24		1.18	0.941	mg/L	1		1664A	Total/NA

Client Sample ID: MCWP-MW07D (418338-002) — Lab Sample ID: 570-4817-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	3.76		1.18	0.941	mg/L	1		1664A	Total/NA

Client Sample ID: SMBRP-12 (418338-003) — Lab Sample ID: 570-4817-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	2.59		1.18	0.941	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	1.64	J	1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW09 (418338-004) — Lab Sample ID: 570-4817-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	4.00		1.18	0.941	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: MCWP-MW075 (418338-001)
Date Collected: 08/14/19 08:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**4.24**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: MCWP-MW07D (418338-002)
Date Collected: 08/14/19 08:45
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**3.76**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: SMBRP-12 (418338-003)
Date Collected: 08/14/19 12:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**2.59**		1.18	0.941	mg/L		08/16/19 10:22	08/16/19 11:59	1
Biochemical Oxygen Demand	**1.64**	**J**	1.67	0.973	mg/L			08/15/19 20:48	1

Client Sample ID: MCWP-MW09 (418338-004)
Date Collected: 08/14/19 12:30
Date Received: 08/15/19 17:55

Lab Sample ID: 570-4817-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**4.00**		1.18	0.941	mg/L		08/16/19 10:33	08/16/19 11:59	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/15/19 20:48	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-12951/1-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/16/19 10:22	08/16/19 11:59	1

Lab Sample ID: LCS 570-12951/2-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12951

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	37.00		mg/L		92	78 - 114

Lab Sample ID: LCSD 570-12951/3-A
Matrix: Water
Analysis Batch: 12974

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12951

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	36.80		mg/L		92	78 - 114	1	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-13982/2
Matrix: Water
Analysis Batch: 13982

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.8422		0.833	0.487	mg/L			08/15/19 20:48	1

Lab Sample ID: USB 570-13982/1
Matrix: Water
Analysis Batch: 13982

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/15/19 20:48	1

Lab Sample ID: LCS 570-13982/3
Matrix: Water
Analysis Batch: 13982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	199.9		mg/L		101	84.6 - 115.4

Lab Sample ID: 570-4817-4 DU
Matrix: Water
Analysis Batch: 13982

Client Sample ID: MCWP-MW09 (418338-004)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Biochemical Oxygen Demand	ND		ND		mg/L		NC	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

General Chemistry

Prep Batch: 12951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	1664A	
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	1664A	
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	1664A	
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	1664A	
MB 570-12951/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-12951/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-12951/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 12974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	1664A	12951
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	1664A	12951
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	1664A	12951
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	1664A	12951
MB 570-12951/1-A	Method Blank	Total/NA	Water	1664A	12951
LCS 570-12951/2-A	Lab Control Sample	Total/NA	Water	1664A	12951
LCSD 570-12951/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	12951

Analysis Batch: 13982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-4817-1	MCWP-MW075 (418338-001)	Total/NA	Water	SM5210B	
570-4817-2	MCWP-MW07D (418338-002)	Total/NA	Water	SM5210B	
570-4817-3	SMBRP-12 (418338-003)	Total/NA	Water	SM5210B	
570-4817-4	MCWP-MW09 (418338-004)	Total/NA	Water	SM5210B	
SCB 570-13982/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-13982/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-13982/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-4817-4 DU	MCWP-MW09 (418338-004)	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Client Sample ID: MCWP-MW075 (418338-001)

Lab Sample ID: 570-4817-1

Date Collected: 08/14/19 08:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: MCWP-MW07D (418338-002)

Lab Sample ID: 570-4817-2

Date Collected: 08/14/19 08:45
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: SMBRP-12 (418338-003)

Lab Sample ID: 570-4817-3

Date Collected: 08/14/19 12:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:22	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Client Sample ID: MCWP-MW09 (418338-004)

Lab Sample ID: 570-4817-4

Date Collected: 08/14/19 12:30
Matrix: Water
Date Received: 08/15/19 17:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			850 mL	1000 mL	12951	08/16/19 10:33	ULIN	ECL 1
Total/NA	Analysis	1664A		1			12974	08/16/19 11:59	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	13982		YR9U	ECL 1
	Instrument ID: BOD1							(Start) 08/15/19 20:48		
								(End) 08/20/19 20:53		

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	ECL 1
SM5210B	BOD, 5 Day	SM	ECL 1
1664A	HEM and SGT-HEM (Aqueous)	1664A	ECL 1

Protocol References:

1664A = EPA-821-98-002

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 418338

Job ID: 570-4817-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-4817-1	MCWP-MW075 (418338-001)	Water	08/14/19 08:30	08/15/19 17:55	
570-4817-2	MCWP-MW07D (418338-002)	Water	08/14/19 08:45	08/15/19 17:55	
570-4817-3	SMBRP-12 (418338-003)	Water	08/14/19 12:30	08/15/19 17:55	
570-4817-4	MCWP-MW09 (418338-004)	Water	08/14/19 12:30	08/15/19 17:55	

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771 900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE

Subcontract Laboratory:

Eurofins CalScience - Sub
7440 Lincoln Way
Garden Grove, CA 92841

ATTN: Xuan Dang
PO# 1038438

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1664_Total_OUT	
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	5210B BOD_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1664_Total_OUT	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	5210B BOD_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1664_Total_OUT	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	5210B BOD_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1664_Total_OUT	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	5210B BOD_OUT	

Note:
Standard TAT

Relinquished By	Received By:
Sam R	pamyk
Date/Time 8/15/19 1755	Date/Time 8/15/19 17:55
Date/Time	Date/Time

570-4817 Chain of Custody

4.0/4.2 Scb

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-4817-1

Login Number: 4817
List Number: 1
Creator: Liao, Gineyau

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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.	True	
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	

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # 418338
Samples Received: 08/16/2019

Analytical Report
0819-733

Method 1613B
2,3,7,8-TCDD

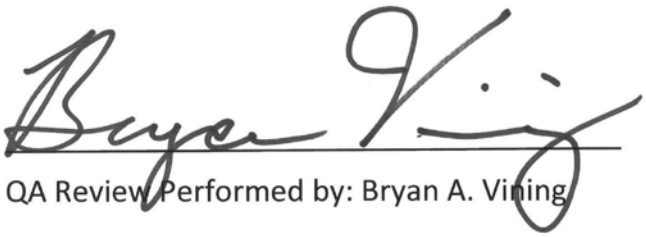
Enthalpy Analytical, LLC – Ultratrace

O: (910) 212-5858 / F: 910-212-5866
www.enthalpy.com
2714 Exchange Drive
Wilmington, NC 28405

I certify that to the best of my knowledge all analytical data presented in this report:

- Have been checked for completeness
- Are accurate, error-free, and legible
- Have been conducted in accordance with approved protocol, and that all deviations and analytical problems are summarized in the appropriate narrative(s)

This analytical report was prepared in Portable Document Format (.PDF) and contains 22 pages.



QA Review Performed by: Bryan A. Vining

Report Issued Date: 03 SEP 19

ENTHALPY ANALYTICAL

Summary of Results

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch

10424

Method 1613B

Analyte	Method Blank pg/L	MCWP-MW075 (418338-001) pg/L	MCWP-MW07D (418338-002) pg/L	SMBRP-12 (418338-003) pg/L	MCWP-MW09 (418338-004) pg/L
2,3,7,8-TCDD	(1.3)	(1.29)	(1.23)	(1.29)	(1.24)
Lab Sample ID	LMB_10424_DF	0819-733_10424_001	0819-733_10424_002	0819-733_10424_003	0819-733_10424_004

Detailed Results

MCWP-MW075 (418338-001)								Detailed Results - Method 1613B
Client Details								
Client Sample ID:	MCWP-MW075 (418338-001)			Client Name:	Enthalpy-Orange			
Client Project ID:	418338			Sample Collection Date:	14-Aug-19		RRFs:	ICAL
Lab Job #:	0819-733	Matrix:	Aqueous	Date Received:	16-Aug-19			
Lab Sample ID:	0819-733_10424_001	Weight/Volume:	1.01	Date Extracted:	21-Aug-19			
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19			
Dilution:	-			Time Analyzed:	16:48:13			

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.29		U	ES 2,3,7,8-TCDD	66.5	
					CS 37Cl-2378-TCDD	76.9	
					AS 1368-TCDD	80.8	

MCWP-MW07D (418338-002)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	MCWP-MW07D (418338-002)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418338	**Sample Collection Date:**	**14-Aug-19**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-733_10424_002**	**Weight/Volume:**	**1.06**	**Date Extracted:**	**21-Aug-19**
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**17:36:24**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.23		U	ES 2,3,7,8-TCDD	71.6	
					CS 37Cl-2378-TCDD	77.6	
					AS 1368-TCDD	85.3	

SMBRP-12 (418338-003)				Detailed Results - Method 1613B	
Client Details					
Client Sample ID:	SMBRP-12 (418338-003)	**Client Name:**	**Enthalpy-Orange**		
Client Project ID:	418338	**Sample Collection Date:**	**14-Aug-19**	**RRFs:**	**ICAL**
Lab/Sample Details					
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**
Lab Sample ID:	**0819-733_10424_003**	**Weight/Volume:**	**1.01**	**Date Extracted:**	**21-Aug-19**
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**
Dilution:	**-**			**Time Analyzed:**	**18:24:35**

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.29		U	ES 2,3,7,8-TCDD	70.3	
					CS 37Cl-2378-TCDD	74.8	
					AS 1368-TCDD	83.1	

MCWP-MW09 (418338-004)						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW09 (418338-004)		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	418338		**Sample Collection Date:**	**14-Aug-19**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0819-733**	**Matrix:**	**Aqueous**	**Date Received:**	**16-Aug-19**		
Lab Sample ID:	**0819-733_10424_004**	**Weight/Volume:**	**1.05**	**Date Extracted:**	**21-Aug-19**		
QC Batch #:	**10424**	**Split Factor:**	**1**	**Date Analyzed:**	**27-Aug-19**		
Dilution:	**-**			**Time Analyzed:**	**19:12:45**		

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.24		U	ES 2,3,7,8-TCDD	66.7	
					CS 37Cl-2378-TCDD	78.9	
					AS 1368-TCDD	88.4	

QC Data

Continuing Calibration — PCDD/Fs

	CS3-A	CS3-B
Concentration (pg/µL)	10	10
Standard ID	SIDAE90	SIDAE90
Acquisition Date	27-Aug-19	27-Aug-19
Acquisition Time	9:35:16	20:49:04

Analyte	RRF	RRF	ICAL RRFs	PD (CS3-A v. ICAL)	PD (CS3-B v. ICAL)	Average RRF	RPD (CS3s)
2,3,7,8-TCDD	1.06	1.13	1.17	-9.4	-3.4	1.10	6.4
ES 2,3,7,8-TCDD	0.97	1.00	1.02	-4.9	-2.0	0.99	3.0
CS 37Cl-2378-TCDD	1.09	1.15	1.24	-12.1	-7.3	1.12	5.4
AS 1368-TCDD	1.11	1.10	1.04	6.7	5.8	1.11	0.9
Analyte	Area	Area					
JS 1234-TCDD	1428941	1429810					

OPR				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_10424_DF	Final Vol. (uL)	20.0	Date Extracted:	21-Aug-19
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19
Dilution:	-			Time Analyzed:	10:23:04

Analyte	Conc. (pg)	DL (pg)	EMPC (pg)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.83				ES 2,3,7,8-TCDD	114	
					CS 37Cl-2378-TCDD	113	
					AS 1368-TCDD	128	

OPR Demonstration Data (TCDD Only)

Batch ID#: 10424

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.8	7.3	14.6	Y	ES 2,3,7,8-TCDD	114	25	141	Y
					CS 2,3,7,8-TCDD	11	3.7	15.8	Y

Method Blank				Detailed Results - Method 1613B	
				RRFs:	ICAL
Lab/Sample Details					
		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_10424_DF	Weight/Volume:	1.00	Date Extracted:	21-Aug-19
QC Batch #:	10424	Split Factor:	1	Date Analyzed:	27-Aug-19
Dilution:	-			Time Analyzed:	12:47:26

Analyte	Conc. (pg/L)	DL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.30		U	ES 2,3,7,8-TCDD	77.9	
					CS 37Cl-2378-TCDD	77.2	
					AS 1368-TCDD	87.0	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0819-733 EPA 1613B
Client Project #	418338

Custody	Robin Appelle of Enthalpy Analytical Wilmington received all samples (via FedEx) 08/16/19 on ice at 4.5°C in good condition. Prior to, during, and after analysis, the samples were stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The samples were analyzed by EPA Method 1613B for PCDDs/PCDFs only using Agilent Technologies Model# 6890 High-Resolution GC/ Waters High-Resolution Mass-Spectrometer (HRGC/HRMS "Gandalf"). After sampling by the client, the laboratory spiked the sample with Extraction Standard (ES), then extracted by separatory funnel with Hexane. After solvent exchange, the extract was spiked with Alternate Standard (AS) and CS (Clean Up Standard). Cleanup procedures were performed on the extract. The final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	The analytes and labeled standards in the initial calibration exhibited RSDs less than 20%. The continuing calibration and batch control spike met the 20% criterion for native analytes, and met the 30% criterion for the labeled standards.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. The QC injections passed all method criteria. Labeled and standard recovery values were acceptable. The sample was extracted within the 30-day from collection holding time. The extract was analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The Toxic equivalency quotient (TEQ) was calculated and reported to the client using the I-TEFs (International toxic equivalency factor) and the WHO-2005 TEF (World Health Organization), calculated using several different methods. The Totals and Detection Limits have been included in the report. These analyses met the requirements of the TNI Standard. Any deviations from the requirements of the reference method or TNI Standard have been stated above.

Reporting Notes (continued)	The results presented in this report are representative of the samples as provided to the laboratory. The samples, calibrations and standards for the data presented in this report were analyzed at 2714 Exchange Drive, Wilmington, NC 28405.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, Inc.-Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers / Data Attributes

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- C – Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
- E – The reported concentration exceeds the calibration range (upper point of the calibration curve).
- EMPC – Represents an estimated maximum possible concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
- J – Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve).
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL).
- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable.
- PR – Due to interference, the associated congener is poorly resolved.
- DI – Indicates the presence of a quantitative interference.
- SI – Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
- U – The analyte was not detected. The Estimated Detection Limit (EDL) may be reported for this analyte.
- V – The labeled standard recovery was found to be outside of the method control limits.

DRBC/TMDL Specific Data Qualifiers / Data Attributes

- J – The reported result is an estimate. The value is less than the minimum calibration level but greater than the Estimated Detection Limit (EDL).
- U – The analyte was not detected in the sample at the Estimated Detection Limit (EDL).

- E – The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
- D – Dilution Data. Result was obtained from the analysis of a dilution.
- B – Analyte found in the sample and associated method blank.
- Cxx – Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'xx' denotes the IUPAC number with the lowest numerical designated congener.
- NR – Analyte is not reportable because of problems in sample preparation or analysis.
- V – Labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.
- EMPC – Estimated Maximum Possible Concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

Lab Identifiers

- AR – Indicates use of the archived portion of the sample extract.
- CU – Indicates a sample that required additional clean-up prior to HRMS injection/processing.
- D – Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
- DE – Indicates a dilution performed with the addition of ES (Extraction Standard) solution.
- DUP – Designation for a duplicate sample.
- MS – Designation for a matrix spike.
- MSD – Designation for a matrix spike duplicate.
- RJ – Indicates a reinjection of the sample extract.
- S – Indicates a sample split. The number that follows the "S" indicates the split factor.

Sample Custody

0819-733

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
Tel: 714.771.6900 Fax: 714.538.1209
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

Enthalpy - Wilmington - Su
2714 Exchange Drive
Wilmington, NC 28405
910-212-5866
ATTN: Bryan Vining
PO# N/A

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Require: ☑ EDD ☐ EDF ☐ EDT
Report To: ☑ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 12:30	SMBRP-12 (418338-003)	1613B_TCDD_OUT	2,3,7,8-TCDD only
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	1613B_TCDD_OUT	2,3,7,8-TCDD only

Note:
Standard TAT

2,3,7,8-TCDD only

Relinquished By	**Received By**
Date/Time 8/15/19 1650	Date/Time 8/16/19 1315 4.5°C T9
Date/Time	Date/Time

FedEx, 7760 0071 9387, On Ice, Good condition, No seals 8/16/19

This Is The Last Page Of This Report.

ENTHALPY ANALYTICAL

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To:	Project Manager Enthalpy Analytical	**From:**	Tyler D Miller
		AmeriSci Job #:	919081519
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	418338
Email:	incomingreports@enthalpy.com,Ranjit.Clarke@enthalpy.com		

Date: Wednesday, August 21, 2019
Time: 13:16:23
Comments:

Number of Pages: 3 (including cover sheet)

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

AmeriSci Job #: **919081519**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

418338

AmeriSci Sample #	Client Sample No./Location	Liquid Filtered (liters)	Temp (Celcius)	Structures Detected* (total)	Structures Detected* (>10 µm)	Analytical Sensitivity (MF/L)	Asbestos Conc (total) (MF/L)	Asbestos Conc (>10 µm) (MF/L)	Asbestos Type
01	MCWP-MW075 (418338-001)	0.0003	4	NSD	NSD	5.79	<5.79	<5.79	----
02	MCWP-MW07D (418338-002)	0.02	4	NSD	NSD	0.17	<0.17	<0.17	----
03	SMBRP-12 (418338-003)	0.005	4	NSD	NSD	0.35	<0.35	<0.35	----
04	MCWP-MW09 (418338-004)	0.02	4	1	1	0.17	0.17	0.17	amphibole

*fiber criteria (>=0.5 microns, 5:1 aspect ratio); NAD/NSD = no asbestos detected, NA = not analyzed, MF/L = million fibers per liter.

NOTE: Drinking water analysis by EPA-600/4-83-043 (100.1), waste water by EPA-600/4-80-005. Analytical sensitivity calculated as though 1 fiber had been detected on the TEM GRID area analyzed. Samples are refrigerated upon receipt when necessary and filtered within four hours.

Reviewed By: _____ ; Analyzed By: _____ Date: 8/16/2019

Tyler D Miller

9190815|9

Enthalpy Analytical
Formerly Associated Labs
1 Park Plaza, Suite 1000
Irvine, CA 92614
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info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Subcontract Laboratory:

AmeriSci - Sub
24416 S Main St. # 308
Carson, CA 90745

ATTN: Glenn Massey
PO# 1038437

Project: 418338 **Due:**
PM: Ranjit Clarke
Email: ranjit.clarke@enthalpy.com
CC: incomingreports@enthalpy.com

Require: ☐ EDD ☐ EDF ☐ EDT

Report To: ☐ MDL

Note:

Matrix	Sampled	Sample ID	Analysis	Comment
Water	08/14/19 08:30	MCWP-MW075 (418338-001)	100.1 Asbestos	
Water	08/14/19 08:45	MCWP-MW07D (418338-002)	100.1 Asbestos	
Water	08/14/19 12:30	SMBRP-12 (418338-003)	100.1 Asbestos	
Water	08/14/19 12:30	MCWP-MW09 (418338-004)	100.1 Asbestos	

4°C

Note:
5 Day TAT

Relinquished By	**Received By:**
Sam R	
Date/Time 8/15/19 1735	Date/Time 8/15/19 ~~17:35~~ 18:35 GL
Date/Time	Date/Time

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Lab Request: 418381
Report Date: 09/03/2019
Date Received: 08/15/2019
Client ID: 15888

Comments: Malibu - Annual
Ground Water
15-01587

Samples "MCWP-MW06" and "MCWP-MW05" were analyzed for TDS and not analyzed for T/F Coliforms as the COC requested. This change was made in order to comply with the permit's sample matrix.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
418381-001	SMBRP-13
418381-002	MCWP-MW06
418381-003	MCWP-MW10
418381-004	CCPE
418381-005	SMBRP-7B
418381-006	MCWP-MW05
418381-007	MBCMW-9

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 45 days from date received.

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ACCREDITED IN ACCORDANCE WITH nelac

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 12:15 **Site:**
Sample #: 418381-001 **Client Sample #:** SMBRP-13 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.23 J**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205478
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 02:44	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	08/15/19	08/16/19 02:44	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 02:44	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205680
Total Dissolved Solids	**3950**	2	20	20	mg/L	08/20/19	08/21/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.292**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205778
Total Kjeldahl Nitrogen	**0.526**	1	0.052	0.4	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205889
Total Phosphorous as P	**0.246**	1	0.01	0.02	mg/L	08/23/19	08/26/19	TP	
Total Phosphorous as PO4	**0.754**	1	0.03	0.06	mg/L	08/23/19	08/26/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205466
Fecal Coliform	**<1**	1			MPN/100ml	08/15/19 16:00	08/16/19		
Total Coliform	**1.0**	1			MPN/100ml	08/15/19 16:00	08/16/19		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 09:00 **Site:**
Sample #: 418381-002 **Client Sample #:** MCWP-MW06 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205478
Nitrate + Nitrite, as Nitrogen	**0.10**	1	0.018	0.1	mg/L	08/15/19	08/16/19 03:04	JP	
Nitrate, as Nitrogen	**0.10**	1	0.012	0.1	mg/L	08/15/19	08/16/19 03:04	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 03:04	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205680
Total Dissolved Solids	**1470**	2	20	20	mg/L	08/20/19	08/21/19	TP	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 11:30 **Site:**
Sample #: 418381-003 **Client Sample #:** MCWP-MW10 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1205478
Nitrate, as Nitrogen	**0.26**	1	0.012	0.1	mg/L	08/15/19	08/16/19 03:25	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1205680
Total Dissolved Solids	**1830**	2	20	20	mg/L	08/20/19	08/21/19	TP	
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1205741
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1205778
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1205889
Total Phosphorous as P	**0.058**	1	0.01	0.02	mg/L	08/23/19	08/26/19	TP	
Total Phosphorous as PO4	**0.178**	1	0.03	0.06	mg/L	08/23/19	08/26/19	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1205466
Fecal Coliform	**<2**	2			MPN/100ml	08/15/19 16:00	08/16/19		
Total Coliform	**4000**	2			MPN/100ml	08/15/19 16:00	08/16/19		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 12:40 **Site:**
Sample #: 418381-004 **Client Sample #:** CCPE **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.60**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205478
Nitrate + Nitrite, as Nitrogen	**0.31**	1	0.018	0.1	mg/L	08/15/19	08/16/19 03:45	JP	
Nitrate, as Nitrogen	**0.31**	1	0.012	0.1	mg/L	08/15/19	08/16/19 03:45	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 03:45	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205680
Total Dissolved Solids	**976**	2	20	20	mg/L	08/20/19	08/21/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205741
Ammonia, as Nitrogen	**2.90**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205778
Total Kjeldahl Nitrogen	**4.5**	1	0.052	0.4	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205889
Total Phosphorous as P	**0.706**	1	0.01	0.02	mg/L	08/23/19	08/26/19	TP	
Total Phosphorous as PO4	**2.16**	1	0.03	0.06	mg/L	08/23/19	08/26/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205466
Fecal Coliform	**60**	1			MPN/100ml	08/15/19 16:00	08/16/19		
Total Coliform	**>2400**	1			MPN/100ml	08/15/19 16:00	08/16/19		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 10:00 **Site:**
Sample #: 418381-005 **Client Sample #:** SMBRP-7B **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.53**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1205478
Nitrate + Nitrite, as Nitrogen	**2.74**	1	0.018	0.1	mg/L	08/15/19	08/16/19 04:06	JP	
Nitrate, as Nitrogen	**2.74**	1	0.012	0.1	mg/L	08/15/19	08/16/19 04:06	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 04:06	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1205680
Total Dissolved Solids	**2760**	2	20	20	mg/L	08/20/19	08/21/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1205741
Ammonia, as Nitrogen	**0.102**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1205778
Total Kjeldahl Nitrogen	**0.631**	1	0.052	0.4	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1205889
Total Phosphorous as P	**0.250**	1	0.01	0.02	mg/L	08/23/19	08/26/19	TP	
Total Phosphorous as PO4	**0.766**	1	0.03	0.06	mg/L	08/23/19	08/26/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1205466
Fecal Coliform	**11**	1			MPN/100ml	08/15/19 16:00	08/16/19		
Total Coliform	**99**	1			MPN/100ml	08/15/19 16:00	08/16/19		

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 10:30 **Site:**
Sample #: 418381-006 **Client Sample #:** MCWP-MW05 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1205478		
Nitrate + Nitrite, as Nitrogen	**1.95**	1	0.018	0.1	mg/L	08/15/19	08/16/19 04:26	JP	
Nitrate, as Nitrogen	**1.95**	1	0.012	0.1	mg/L	08/15/19	08/16/19 04:26	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 04:26	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1205680		
Total Dissolved Solids	**1350**	2	20	20	mg/L	08/20/19	08/21/19	TP	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 08/15/2019 08:30 **Site:**
Sample #: 418381-007 **Client Sample #:** MBCMW-9 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.53**	1	0.04	0.5	mg/L		08/26/19	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1205478		
Nitrate + Nitrite, as Nitrogen	**0.21**	1	0.018	0.1	mg/L	08/15/19	08/16/19 04:46	JP	
Nitrate, as Nitrogen	**0.21**	1	0.012	0.1	mg/L	08/15/19	08/16/19 04:46	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	08/15/19	08/16/19 04:46	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1205680		
Total Dissolved Solids	**6150**	2	20	20	mg/L	08/20/19	08/21/19	TP	
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1205741		
Ammonia, as Nitrogen	**0.018 J**	1	0.01	0.1	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1205778		
Total Kjeldahl Nitrogen	**0.545**	1	0.052	0.4	mg/L	08/21/19	08/22/19	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1205889		
Total Phosphorous as P	**0.435**	1	0.01	0.02	mg/L	08/23/19	08/26/19	TP	
Total Phosphorous as PO4	**1.334**	1	0.03	0.06	mg/L	08/23/19	08/26/19	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1205466		
Fecal Coliform	**2.0**	1			MPN/100ml	08/15/19 16:00	08/16/19		
Total Coliform	**17**	1			MPN/100ml	08/15/19 16:00	08/16/19		

QCBatchID: QC1205478 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 08/15/2019 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205478MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205478LCS1											
Chloride	100		102		mg/L	102			90-110		
Nitrate, as Nitrogen	9.03		8.98		mg/L	99			90-110		
Nitrite, as Nitrogen	9.15		9.74		mg/L	106			90-110		
Sulfate	50		47.0		mg/L	94			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205478MS1, QC1205478MSD1												**Source: 418170-001**
Chloride	78.3	100	100	181	180	mg/L	103	102	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.32	9.38	mg/L	103	104	0.6	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.63	9.57	mg/L	105	105	0.6	80-120	20	
Sulfate	11.0	50	50	61.1	60.8	mg/L	100	100	0.5	80-120	20	
QC1205478MS2, QC1205478MSD2												**Source: 418377-001**
Chloride	81.9	100	100	182	181	mg/L	100	99	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.19	9.14	mg/L	102	101	0.5	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.44	9.31	mg/L	103	102	1.4	80-120	20	
Sulfate	13.5	50	50	62.9	62.3	mg/L	99	98	1.0	80-120	20	

QCBatchID: QC1205680 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 08/21/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205680MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205680LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1205680DUP1						**Source: 418381-001**
Total Dissolved Solids	3950	3940	mg/L	0.0	5	

QCBatchID: QC1205741 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/22/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205741MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741LCS1											
Ammonia, as Nitrogen	2.5		2.38		mg/L	95			-		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205741MS1, QC1205741MSD1												**Source: 418338-001**
Ammonia, as Nitrogen	0.329	2.5	2.5	2.61	2.58	mg/L	91	90	1.2			

QCBatchID: QC1205778 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 08/22/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205778MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.03	0.133	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205778LCS1											
Total Kjeldahl Nitrogen	2.5		2.46		mg/L	98			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205778MS1, QC1205778MSD1												**Source: 418369-001**
Total Kjeldahl Nitrogen	0.174	12.5	12.5	9.04	10.5	mg/L	71	83	14.9	80-120	20	M

QCBatchID: QC1205889 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 08/26/2019 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1205889MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205889LCS1											
Total Phosphorous as P	0.4		0.409		mg/L	102			80-120		
Total Phosphorous as PO4	1.23		1.254		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1205889MS1, QC1205889MSD1												**Source: 418440-001**
Total Phosphorous as P	0.013	0.4	0.4	0.400	0.401	mg/L	97	97	0.2	75-125	20	
Total Phosphorous as PO4	0.040	1.23	1.23	1.226	1.230	mg/L	96	97	0.3	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	418381	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:))	Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 3 of 3	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:	15-01587
Email:		P.O. #:	
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.	Analysis Request: ~~EPA 1694M-ESI+/ESI-/APCI (see list)~~	~~EPA 608 Pest/PCBs~~	TOTAL FECAL SM9223	EPA 300 ANIONS	TKN, NH_3, PHOSPHOROUS, SM4500	SM2540D TDS	Test Instructions / Comments
SMBRP-13	8/15/19	1215	W	5/		X	X	X	X	X	X	
MCWP-MW06	8/15/19	0900	W	3/		X	X	X	X			
MCWP-MW10	8/15/19	1130	W	5/		X	X	X	X	X	X	
CCPE	8/15/19	1240	W	5/		X	X	X	X	X	X	
SMBRP-7B	8/15/19	1000	W	5/		X	X	X	X	X	X	
MCWP-MW05	8/15/19	1030	W	3/		X	X	X	X			
MBCMW-9	8/15/19	0830	W	5/		X	X	X	X	X	X	
						MC	MC					

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants, Inc.	8/15/19 / 1250
[1] Received By:		Kevin	Enthalpy	8/15/19 1250
[2] Relinquished By:		Kevin	Enthalpy	8/15/19 1527
[2] Received By:		G Kim	EA	8/15/19 1527
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu Annual

Date Received: 8/15/19 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.8 #2: 2.4 #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: 2.4 #2: 2.0 #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: 8/15/19

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

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LABORATORIES

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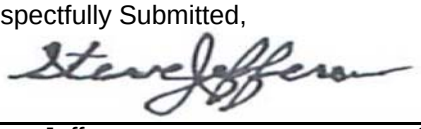
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Silver	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Arsenic	EPA 200.8	AF91925	0.5	20-Jun-19 (AF)	1.5 ug/l	
Beryllium	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Cadmium	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	7.0 ug/l	
Copper	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	1.3 ug/l	
Mercury	EPA 245.1	AF92005	0.20	20-Jun-19 (AF)	<0.20 ug/l	
Nickel	EPA 200.8	AF91925	0.5	20-Jun-19 (AF)	4.4 ug/l	
Lead	EPA 200.8	AF91925	0.2	20-Jun-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AF91925	1.0	20-Jun-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AF91925	2.0	20-Jun-19 (AF)	6.7 ug/l	
Thallium	EPA 200.8	AF91925	1.0	20-Jun-19 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AF91925	1.0	20-Jun-19 (AF)	16 ug/l	
Aldrin	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
Alpha-BHC	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
Beta-BHC	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
Gamma-BHC(Lindane)	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Delta-BHC	EPA 608	AF91409	0.005	22-Aug-19 (SJ)	<0.005 ug/l	
4,4´-DDT	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
4,4´-DDE	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
4,4´-DDD	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Dieldrin	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endosulfan I	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endosulfan II	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endosulfan Sulfate	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endrin	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Endrin Aldehyde	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Alpha-Chlordane	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

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Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Gamma-Chlordane	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Aroclor 1242	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1254	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1221	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1232	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1248	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1260	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Aroclor 1016	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Chlordane	EPA 608	AF91409	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Toxaphene	EPA 608	AF91409	0.5	22-Aug-19 (SJ)	<0.5 ug/l	
Endrin Ketone	EPA 608	AF91409	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 608	AF91409	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 608*	*AF91409*		*22-Aug-19 (SJ)*	*63.0 % (25.7-107)*	
Surrogate: Decachlorobiphenyl	*EPA 608*	*AF91409*		*22-Aug-19 (SJ)*	*104 % (9.67-144)*	
Acetone	EPA 624	AF91939	5.0	02-Jul-19 (SJ)	<5.0 ug/l	
Acrolein	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
Acrylonitrile	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
Tert-amyl methyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Benzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Bromodichloromethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	41.1 ug/l	
Bromoform	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	2.1 ug/l	
Bromomethane	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
2-Butanone (MEK)	EPA 624	AF91939	5.0	02-Jul-19 (SJ)	<5.0 ug/l	
Tert-butyl alcohol	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Carbon tetrachloride	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Chlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Chloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
2-Chloroethylvinyl ether	EPA 624	AF91939	5.0	02-Jul-19 (SJ)	<5.0 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
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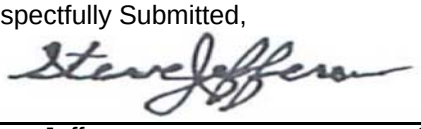
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Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Chloroform	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	40.6 ug/l	
Chloromethane	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	
Dibromochloromethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	17.7 ug/l	
1,2-Dibromoethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,4-Dichlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,3-Dichlorobenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1-Dichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1-Dichloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichloropropane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
trans-1,3-Dichloropropene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
cis-1,3-Dichloropropene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,2-Dichloropropylene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Di-isopropyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Ethylbenzene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Ethyl tert-butyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Methyl tert-butyl ether	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Methylene chloride	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
t-1,2-Dichloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1,2,2-Tetrachloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Tetrachloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Toluene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1,1-Trichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
1,1,2-Trichloroethane	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Trichloroethene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
Vinyl chloride	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
o-Xylene	EPA 624	AF91939	1.0	02-Jul-19 (SJ)	<1.0 ug/l	
m,p-Xylene	EPA 624	AF91939	2.0	02-Jul-19 (SJ)	<2.0 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
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: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
Surrogate: Dibromofluoromethane	*EPA 624*	*AF91939*		*02-Jul-19 (SJ)*	*116 % (80-120)*	
Surrogate: Toluene-d8	*EPA 624*	*AF91939*		*02-Jul-19 (SJ)*	*105 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 624*	*AF91939*		*02-Jul-19 (SJ)*	*102 % (80-120)*	
Acenaphthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Acenaphthylene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Anthracene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzidine	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Benzo (a) anthracene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (a) pyrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (b) fluoranthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (g,h,i) perylene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzo (k) fluoranthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Benzyl Butyl Phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4-Bromophenyl phenyl ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4-Chloro-3-methylphenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Bis(2-chloroethoxy)methane	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Bis(2-chloroisopropyl)ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
2-Chloronaphthalene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
2-Chlorophenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
4-Chlorophenyl phenyl ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Bis(2-choroethyl)ether	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Chrysene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Dibenz (a,h) anthracene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Di-n-butyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,3-Dichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,2-Dichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,4-Dichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
3,3´-Dichlorobenzidine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
2,4-Dichlorophenol	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Diethyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

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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: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
2,4-Dimethylphenol	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Dimethyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4,6-Dinitro-2-methylphenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
2,4-Dinitrophenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
2,6-Dinitrotoluene	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
2,4-Dinitrotoluene	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Di-n-octyl phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,2-Diphenylhydrazine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Fluoranthene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Fluorene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachlorobutadiene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachlorocyclopentadiene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Hexachloroethane	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Indeno (1,2,3-cd) pyrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Isophorone	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Naphthalene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Nitrobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
4-Nitrophenol	EPA 625	AF91223	10.0	03-Jul-19 (SJ)	<10.0 ug/l	
2-Nitrophenol	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	4.9 ug/l	
N-Nitrosodimethylamine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
N-Nitrosodiphenylamine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
N-Nitrosodi-n-propylamine	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Pentachlorophenol	EPA 625	AF91223	10.0	03-Jul-19 (SJ)	<10.0 ug/l	
Phenanthrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
Phenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Pyrene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	
1,2,4-Trichlorobenzene	EPA 625	AF91223	2.0	03-Jul-19 (SJ)	<2.0 ug/l	

Respectfully Submitted,

Steve Jefferson 8/27/2019
Laboratory Director

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Attention: Ric Vardel
Report Date: 27-Aug-19 11:38
Subject: (MCC) Annual EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19F0315-01) Collected: 13-Jun-19 By C. A.						
2,4,6-Trichlorophenol	EPA 625	AF91223	5.0	03-Jul-19 (SJ)	<5.0 ug/l	
Surrogate: 2-Fluorophenol	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*26.1 % (13.6-74)*	
Surrogate: Phenol-d6	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*14.0 % (7.81-55)*	
Surrogate: 2-Chlorophenol-d4	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*57.2 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*63.7 % (30-106)*	
Surrogate: Nitrobenzene-d5	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*86.2 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*84.0 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*79.2 % (19-155)*	
Surrogate: p-Terphenyl-d14	*EPA 625*	*AF91223*		*03-Jul-19 (SJ)*	*113 % (33-149)*	
Cyanide (total)	SM 4500-CN-E	AF91417	0.005	17-Jun-19 (LA)	<0.005 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/27/2019
Laboratory Director

[redacted]

[redacted]

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[redacted]p: [redacted]www.[redacted].c[redacted]m [redacted]p[redacted]l[redacted]b@l[redacted].c[redacted]m

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[redacted]m[redacted]O:
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July 10, 2019

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

Lab ID : SP 1907905
Customer : 2-12670

Laboratory Report

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

Case Narrative	(1 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: 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
19F0315-01	06/13/2019	06/17/2019	SP 1907905-001	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:

Inorganic - Wet Chemistry QC

218.6	06/28/2019:209818 All analysis quality controls are within established criteria
	06/28/2019:207371 All preparation quality controls are within established criteria

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

Reviewed and Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2019-07-11

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853 Corporation Street
Santa Paula, CA 93060
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Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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FAX: (805)783-2912
CA ELAP Certification No. 2775

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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

July 10, 2019

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

Description : 19F0315-01
Project : 19F0315

Lab ID : SP 1907905-001
Customer ID : 2-12670

Sampled On : June 13, 2019-10:50
Sampled By : Not Available
Received On : June 17, 2019-10:56
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Chromium VI	ND	0.1	ug/L		218.6	06/28/19:207371	218.6	06/28/19:209818

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

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July 10, 2019 Lab ID : SP 1907905
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6	06/28/19:207371JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	105 %	90-110	
			MS	ug/L	2.000	97.6 %	75-125	
		(STK1938834-001)	MSD	ug/L	2.000	98.6 %	75-125	
			MSRPD	ug/L	2.000	1.0%	≤20	
			MS	ug/L	2.000	103 %	75-125	
		(SP 1908510-001)	MSD	ug/L	2.000	103 %	75-125	
			MSRPD	ug/L	2.000	0.01%	≤20	
	218.6	06/28/19:209818JDD	ICB	ppb		0.0006	0.1	
			CCV	ppb	5.000	103 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	105 %	95-105	

Definition

ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
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.
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.

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Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

SUBCONTRACT ORDER

Pat-Chem Laboratories

19F0315 1907905

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

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: 19F0315-01 **Water**	**Sampled: 13-Jun-19 10:50**			**MCC Annual EFF**
Hex Cr 218.6	28-Jun-19 12:00	20-Jun-19 10:50		
Containers Supplied:				

Released By	Date	Received By	Date
UPS	6/17/19 1050	Client	6/17/19 1050
Released By	Date	Received By	Date

19. 1286550140912089382

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.#: 19F0315

Customer: IPC, Inc.		Project : (MCC) Annual EFF	
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	06/13/19	1050	1	Priority Metals	Grab	AQ	1L P	HN	
			1	Hex Cr	Grab	AQ	250 P	4°C	
			2	624 Priority	Grab	AQ	VOA	4°C	
			2	625 Priority, 608 Priority	Grab	AQ	1L G	4°C	
			1	CN	Grab	AQ	250 P	OH, AA	
			1	Asbestos	Grab	AQ	1L G	4°C	
			6	17-Estradiol, Caffeine, NDMA, Triciosan, DEET, Sucralose	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3Rd)	06/13/19	
Received by	EL	Eric (PAT)	6/13/19	1230
Relinquished by	EL	Eric (PAT)	6/13/19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parada	6/13/19	14:00

Sample Received Checklist

Temperature upon receipt: 4

# 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

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 09-Jul-19 15:16
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0019-01) Collected: 01-Jul-19 By victor Arikian						
pH	SM4500-H-B	AG90218	0.1	01-Jul-19 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90220	0.05	02-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90128	1.8	03-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90128	1.8	03-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
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.#: 19G0019

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. D.	**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	07/01/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1/28.2°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/01/19	1222
Received by		MARIO SANTIESTEBAN (PCL)	7/1/19	1222
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/1/19	1325

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

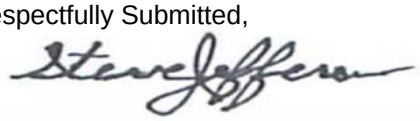
Attention: Ric Vardel
Report Date: 09-Jul-19 15:19
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0037-01) Collected: 02-Jul-19 By Julio Leal						
pH	SM4500-H-B	AG90309	0.1	02-Jul-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90310	0.05	03-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90227	1.8	04-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90227	1.8	04-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
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.#: 1960037

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	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	07-02-19	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.27 / 27.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	7-2-19	17:30
Received by	HEMANTKUMAR ARORA (PATCHEM)	7/2/19	17:30
Relinquished by	HEMANTKUMAR ARORA (PATCHEM)	7/2/19	14:20
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	7/2/19	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
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.

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LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

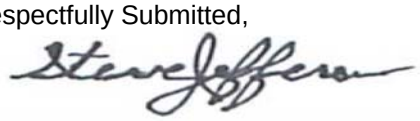
Attention: Ric Vardel
Report Date: 09-Jul-19 15:10
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0102-01) Collected: 02-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG90313	2	08-Jul-19 (EA)	49 mg/l	
Total Suspended Solids	SM 2540D	AG90831	1	08-Jul-19 (SGS)	168 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/9/2019
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.#: 1960102

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. D.	**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
INF	07/02/19	0000	1	TSS	Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	07/03/19	
Received by	Eb	Carlos Alvarez (PCL)	7.3.19	1250
Relinquished by	Eb	Carlos Alvarez	7.3.19	1350
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/3/19	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 **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.

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

Attention: Ric Vardel
Report Date: 09-Jul-19 15:21
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0100-01) Collected: 03-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG90404	0.1	03-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90405	0.05	04-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90314	1.8	05-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90314	1.8	05-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/9/2019
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.#: 1960100

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** [signature]	**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	07/03/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (Carl)	07/03/19	
Received by	EC [signature]	[signature]	7-3-19	1250
Relinquished by	EC [signature]	[signature]	7-3-19	1350
Received by				
Relinquished by				
Received in lab by	[signature]	MARIO SANTIESTEBAN (PCL)	7/3/19	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

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

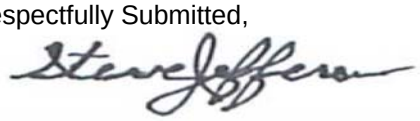
Attention: Ric Vardel
Report Date: 11-Jul-19 16:23
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0105-01) Collected: 03-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG90921	0.10	09-Jul-19 (SGS)	0.68 mg/l	
Nitrate as N	EPA 353.2	AG90318	0.20	03-Jul-19 (LA)	4.21 mg/l	
Nitrite as N	EPA 353.2	AG90318	0.02	03-Jul-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG90832	0.10	09-Jul-19 (LA)	1.01 mg/l	
Total Suspended Solids	SM 2540D	AG90831	1	08-Jul-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19G0105-02) Collected: 03-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG90313	2	08-Jul-19 (EA)	3 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
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.#: 1960105

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
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	07/03/19	1045	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/02/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	07/03/19	
Received by	EC	Carlos	7-3-19	1250
Relinquished by	EC	Carlos	7-3-19	1350
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/3/19	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

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

Attention: Ric Vardel
Report Date: 11-Jul-19 16:36
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0114-01) Collected: 04-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG90410	0.1	04-Jul-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90505	0.05	05-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90403	1.8	06-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90403	1.8	06-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/11/2019
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.#: 19G0114

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	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	7.4.19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by			1320
Relinquished by			
Received by			
Relinquished by			
Received in lab by		7.4.19	1320

Sample Received Checklist

Temperature upon receipt: 4

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

Attention: Ric Vardel
Report Date: 11-Jul-19 16:38
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0122-01) Collected: 05-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG90619	0.1	05-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90620	0.05	06-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90504	1.8	07-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90504	1.8	07-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/11/2019
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.#: 1960122

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	7/5/19	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	~	~	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by GK	Golan	IPC	7/5/19	
Received by	Jairo	Mensivar	7/5/19	12:30pm
Relinquished by	Jairo	Mensivar	7/5/19	3:00pm
Received by				
Relinquished by				
Received in lab by	MARIO SANJESTEBAN	(PCL)	7/5/19	1425

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

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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

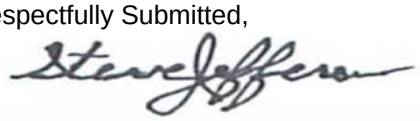
Attention: Ric Vardel
Report Date: 11-Jul-19 16:40
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0128-01) Collected: 06-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG90624	0.1	06-Jul-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90623	0.05	06-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90618	1.8	08-Jul-19 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90618	1.8	08-Jul-19 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
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.#: 19G0128

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	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	07/06/19	09:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L Clark	Joseph Clark (IPC)	07/06/19	9:45
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	7/6/19	0950
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	7/6/19	10:41

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: 11-Jul-19 16:42
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0132-01) Collected: 07-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG90716	0.1	07-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90826	0.05	08-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90715	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90715	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
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.#: 19G0132

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: VIGTOR ARIKIAN	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	7/7/19	09:19	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		VIGTOR ARIKIAN (IPC)	7/7/19	09:25
Received by		Jordan Corkery (PatChem)	7/7/19	12:25
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	7/7/19	14:22

Sample Received Checklist

Temperature upon receipt: 7°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

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QUALITY ANALYTICAL SERVICES SINCE 1987

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

Attention: Ric Vardel
Report Date: 11-Jul-19 16:46
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0147-01) Collected: 08-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG90914	0.1	08-Jul-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG90915	0.05	09-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90835	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90835	1.8	10-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/11/2019
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.#: 1960147

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**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	07/08/19	0910	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/08/19	
Received by	EG	PCL	7.8.19	1130
Relinquished by	EG	PCL	7.8.19	1250
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/8/19	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.

Rev 2 Effective 5/1/17

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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
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pat-chem.com

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

Attention: Ric Vardel
Report Date: 11-Jul-19 16:48
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0192-01) Collected: 09-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG91022	0.1	09-Jul-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91023	0.05	10-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG90928	1.8	11-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG90928	1.8	11-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/11/2019
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.#: 19G0192

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	07/09/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.23 / 24.7
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRC)	07/09/19	12:05
Received by		Greg Gerace (PCL)	7/9/19	12:05
Relinquished by		Greg Gerace PCL	7/9/19	17:20
Received by				
Relinquished by				
Received in Lab by		MAESO (PCL) SANTJESTECOM	7/9/19	1720

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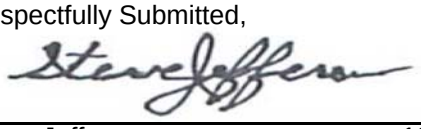
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Silver	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AG92225	5.0	23-Jul-19 (AF)	40 ug/l	
Arsenic	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	0.9 ug/l	
Barium	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	13 ug/l	
Beryllium	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Calcium	EPA 200.7	AG91024	0.05	10-Jul-19 (AF)	51.3 mg/l	
Cadmium	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	2.2 ug/l	
Copper	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	1.0 ug/l	
Iron	EPA 200.7	AG91024	0.02	10-Jul-19 (AF)	<0.02 mg/l	
Mercury	EPA 245.1	AG92335	0.20	25-Jul-19 (AF)	<0.20 ug/l	
Magnesium	EPA 200.7	AG91024	0.10	10-Jul-19 (AF)	27.5 mg/l	
Manganese	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	3.6 ug/l	
Nickel	EPA 200.8	AG92225	0.5	23-Jul-19 (AF)	3.8 ug/l	
Lead	EPA 200.8	AG92225	0.2	23-Jul-19 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AG92225	1.0	23-Jul-19 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AG92225	2.0	23-Jul-19 (AF)	4.7 ug/l	
Thallium	EPA 200.8	AG92225	1.0	23-Jul-19 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AG92225	1.0	23-Jul-19 (AF)	13 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AG91723	0.02	03-Sep-19 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AG91723	0.01	03-Sep-19 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AG91026	2.0	05-Aug-19 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AG91026	2.0	05-Aug-19 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AG91026*		*05-Aug-19 (SJ)*	*73.7 % (50-120)*	
Alachlor	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

PAT-CHEM LABORATORIES
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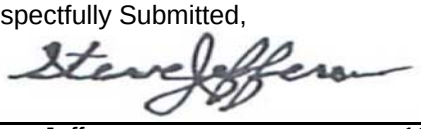
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Thiobencarb (Bolero)	EPA 507	AG91207	0.2	22-Aug-19 (SJ)	<0.2 ug/l	
Surrogate: 1,3-Dimethyl-2-nitrobenzer	*EPA 507*	*AG91207*		*22-Aug-19 (SJ)*	*90.3 % (40-120)*	
Chlordane	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Endrin	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Gamma-BHC(Lindane)	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Hexachlorobenzene	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Hexachlorocyclopentadiene	EPA 508	AG91208	0.01	22-Aug-19 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AG91208	0.05	22-Aug-19 (SJ)	<0.05 ug/l	
Toxaphene	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1016	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1221	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1232	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1242	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1248	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1254	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Aroclor 1260	EPA 508	AG91208	0.1	22-Aug-19 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AG91208*		*22-Aug-19 (SJ)*	*51.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AG91208*		*22-Aug-19 (SJ)*	*117 % (50-120)*	
Bentazon	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
2,4-D	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Dinoseb	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AG91525	0.2	20-Aug-19 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AG91525*		*20-Aug-19 (SJ)*	*87.8 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

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QUALITY ANALYTICAL SERVICES SINCE 1987

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

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Benzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Bromodichloromethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	18.5 ug/l	
Bromoform	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	0.8 ug/l	
Carbon tetrachloride	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
c-1,3-Dichloropropene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
cis-1,2-Dicholoroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	20.9 ug/l	
Dibromochloromethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	6.6 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
t-1,2-Dichloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
t-1,3-Dichloropropene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 10/18/2019
Laboratory Director

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QUALITY ANALYTICAL SERVICES SINCE 1987
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pat-chem.com

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

Attention: Ric Vardel
Report Date: 18-Oct-19 17:08
Subject: (MCC) Quarterly

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AG92231	0.5	13-Aug-19 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AG92231	1.0	13-Aug-19 (SJ)	<1.0 ug/l	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AG92231*		*13-Aug-19 (SJ)*	*100 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AG92231*		*13-Aug-19 (SJ)*	*111 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AG92231*		*13-Aug-19 (SJ)*	*105 % (80-120)*	
Carbofuran	EPA 632	AG91104	1.0	26-Aug-19 (SJ)	<1.0 ug/l	
Oxamyl	EPA 632	AG91104	1.0	26-Aug-19 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	<1.0 ug/l	
Bromoacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	<1.0 ug/l	
Dichloroacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	13.1 ug/l	
Trichloroacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	4.7 ug/l	
Dibromoacetic Acid	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	2.6 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AG91615	1.0	27-Aug-19 (SJ)	<1.0 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AG91615*		*27-Aug-19 (SJ)*	*96.6 % (60-140)*	
Benzo (a) pyrene	EPA 550	AG91027	0.05	20-Aug-19 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AG91027*		*20-Aug-19 (SJ)*	*50.4 % (45-120)*	
Cyanide (total)	SM 4500-CN-E	AG91036	0.005	15-Jul-19 (LA)	<0.005 mg/l	
MBAS	SM 5540C	AG91039	0.20	17-Jul-19 (AV)	0.21 mg/l	
pH	SM4500-H-B	AG91022	0.1	09-Jul-19 (PL)	7.3 pH Units	A-01
Total Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	192 mg/l	
Carbonate Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	<1 mg/l	
Bicarbonate Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	192 mg/l	
Hydroxide Alkalinity	SM 2320B	AG91038	1	10-Jul-19 (EA)	<1 mg/l	
Color	SM 2120 C	AG91029	5.0	10-Jul-19 (LA)	25.4 CU	
Specific Conductance (EC)	SM 2510B	AG91020	0.1	10-Jul-19 (PL)	1560 uS/cm	
Odor	SM 2150B	AG91118	1	09-Jul-19 (JC)	<1 T.O.N.	

Respectfully Submitted,



Steve Jefferson 10/18/2019
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: 18-Oct-19 17:08
Subject: (MCC) Quarterly

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0196-01) Collected: 09-Jul-19 By CA						
Bromate	EPA 300.0	AG91811	25.0	18-Jul-19 (AV)	<25.0 ug/l	
Chlorite	EPA 300.0	AG91811	100	18-Jul-19 (AV)	<100 ug/l	
Fluoride	EPA 300.0	AG91025	0.10	10-Jul-19 (AV)	0.55 mg/l	

Notes and Definitions

A-01 Langelier Index = -0.21

Respectfully Submitted,



Steve Jefferson 10/18/2019
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

July 19, 2019 Ceres ID: 12917

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

The following report contains the results for the one aqueous sample received on July 15, 2019. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

This work was authorized under Pat-Chem Laboratories' Project # 19G0196.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,



James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
12917-001	19G0196-01	7/15/2019	7/9/2019	10:45

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 2022	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 7/16/2019
Project ID: 19G0196	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 7/18/2019

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.61	1.49	5.00		13C-2378-TCDD	91.6	31-137	
					CRS			
					37Cl4-2378-TCDD	81.0	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2022	**Date Extracted:** 7/16/2019
	Matrix: Aqueous	**ZB-5MS Analysis:** 7/18/2019
Project ID: 19G0196	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	86.8	7.3-14.6	13C-2378-TCDD	99.0	25-141
			CRS		
			37Cl4-2378-TCDD	94.8	37-158

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 19G0196-01		
Project ID: 19G0196	**Ceres Sample ID:** 12917-001	**Date Received:** 7/15/2019
	QC Batch #: 2022	**Date Extracted:** 7/16/2019
Date Collected: 7/9/2019	**Matrix:** Aqueous	**ZB-5MS Analysis:** 7/18/2019
Time Collected: 10:45	**Sample Size:** 0.966 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.61	1.49	5.18		13C-2378-TCDD	86.7	31-137	
					CRS			
					37Cl4-2378-TCDD	93.2	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

[redacted]

[redacted]

[redacted]: (___) ___-____ (___) ___-____

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[redacted] ID: [redacted]
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[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
									(mg/kg dry basis)
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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[redacted]

NORTH COAST LABORATORIES LTD.

July 29, 2019

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Steven Jefferson

Order No.: 1907272
Invoice No.: 147727
PO No.:
ELAP No.1247-Expires July 2020

RE: 19G0196

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	19G0196-01

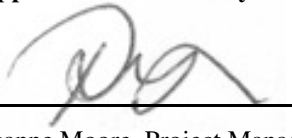
ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:



Roxanne Moore, Project Manager

Date: 29-Jul-2019
WorkOrder: 1907272

CASE NARRATIVE

The sample was received outside the EPA recommended temperature of less than or equal to 6° C.

EPA 548:
The endothal recovery for the matrix spike (MS) was below the lower acceptance limit. The recovery was within acceptance limits in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) indicating the analytical batch was in control.

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Date Jul

WorkOrder

ANALYTICAL REPORT

Client Sample ID G

Lab ID A

Received

Collected

Test Name Endothall **Reference** EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND			µg/L			
Surrogate D				Rec			

Test Name EPA **Reference** EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat dissolved	ND			µg/L			

Test Name Glyphosate **Reference** EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND			µg/L			

North Coast Laboratories, Ltd.

Date: 7/29/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT

Method Blank

Sample ID **MB-072219**	Batch ID: **R100208**	Test Code: **547W**	Units: **µg/L**	Analysis Date **7/23/2019 5:10:05 PM**	Prep Date **7/22/2019**
Client ID:		Run ID: **ORLC9_190723A**		SeqNo: **1425767**	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID **MB-37586**	Batch ID: **37586**	Test Code: **548W**	Units: **µg/L**	Analysis Date **7/25/2019 12:25:45 AM**	Prep Date **7/15/2019**
Client ID:		Run ID: **ORGC14_190724A**		SeqNo: **1425946**	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	270	0.10	250	0	108%	78	117	0			

Sample ID **MB-37584**	Batch ID: **37584**	Test Code: **549W**	Units: **µg/L**	Analysis Date **7/16/2019 6:22:41 PM**	Prep Date **7/15/2019**
Client ID:		Run ID: **ORLC8_190716A**		SeqNo: **1424535**	

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 7/29/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT
Sample Matrix Spike

Sample ID **1907272-01AMS** Batch ID: **37586** Test Code: **548W** Units: **µg/L** Analysis Date **7/25/2019 1:32:03 AM** Prep Date **7/15/2019**
Client ID: **19G0196-01** Run ID: **ORGC14_190724A** SeqNo: **1425949**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	66.54	45	225	0	29.6%	61	114	0			S
Surrogate: 2,3-D	259	0.10	250	0	104%	78	117	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 7/29/2019

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-072219** Batch ID: **R100208** Test Code: **547W** Units: **µg/L** Analysis Date **7/23/2019 5:31:52 PM** Prep Date **7/22/2019**
Client ID: Run ID: **ORLC9_190723A** SeqNo: **1425768**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	49.08	5.0	50.0	0	98.2%	80	118	0			

Sample ID **LCSD-072219** Batch ID: **R100208** Test Code: **547W** Units: **µg/L** Analysis Date **7/23/2019 5:53:39 PM** Prep Date **7/22/2019**
Client ID: Run ID: **ORLC9_190723A** SeqNo: **1425769**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	51.13	5.0	50.0	0	102%	80	118	49.1	4.09%	30	

Sample ID **LCS-37586** Batch ID: **37586** Test Code: **548W** Units: **µg/L** Analysis Date **7/25/2019 12:47:41 AM** Prep Date **7/15/2019**
Client ID: Run ID: **ORGC14_190724A** SeqNo: **1425947**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	198.0	45	225	0	88.0%	61	114	0			
Surrogate: 2,3-D	286	0.10	250	0	114%	78	117	0			

Sample ID **LCSD-37586** Batch ID: **37586** Test Code: **548W** Units: **µg/L** Analysis Date **7/25/2019 1:09:41 AM** Prep Date **7/15/2019**
Client ID: Run ID: **ORGC14_190724A** SeqNo: **1425948**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	199.9	45	225	0	88.9%	61	114	198	0.973%	30	
Surrogate: 2,3-D	284	0.10	250	0	114%	78	117	286	0.534%	30	

Sample ID **LCS-37584** Batch ID: **37584** Test Code: **549W** Units: **µg/L** Analysis Date **7/16/2019 6:33:25 PM** Prep Date **7/15/2019**
Client ID: Run ID: **ORLC8_190716A** SeqNo: **1424536**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.767	0.40	2.00	0	88.4%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1907272
Project: 19G0196

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-37584** Batch ID: **37584** Test Code: **549W** Units: **µg/L** Analysis Date **7/16/2019 6:54:48 PM** Prep Date **7/15/2019**
Client ID: Run ID: **ORLC8_190716A** SeqNo: **1424537**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.671	0.40	2.00	0	83.6%	70	130	1.77	5.58%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

August 8, 2019

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

Lab ID : SP 1909145
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
19G0196-01	07/09/2019	07/12/2019	SP 1909145-001	W

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 at 4 °C. 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:

Inorganic - Metals QC

200.8	07/19/2019:210972 All analysis quality controls are within established criteria.
	07/19/2019:208132 All preparation quality controls are within established criteria, except: The following note applies to Uranium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Radio QC

900.0	07/31/2019:211606 All analysis quality controls are within established criteria.
	07/24/2019:208290 All preparation quality controls are within established criteria, except: The following note applies to Gross Alpha: 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
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Radio QC

903.0	07/24/2019:211178 All analysis quality controls are within established criteria.
	07/18/2019:208102 All preparation quality controls are within established criteria.
905.0	07/29/2019:211591 All analysis quality controls are within established criteria.
	07/21/2019:208103 All preparation quality controls are within established criteria.
906.0	07/23/2019:211070 All analysis quality controls are within established criteria.
	07/22/2019:208184 All preparation quality controls are within established criteria.
Ra - 05	07/30/2019:211726 All analysis quality controls are within established criteria.
	07/23/2019:208104 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	07/27/2019:211657 All analysis quality controls are within established criteria.
	07/26/2019:208490 All preparation quality controls are within established criteria.

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: 2019-08-08

August 8, 2019

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

Description : 19G0196-01
Project : 19G0196

Lab ID : SP 1909145-001
Customer ID : 2-12670

Sampled On : July 9, 2019-10:45
Sampled By : Not Available
Received On : July 12, 2019-07:48
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Metals, Total								
Uranium	3.0	0.2	ug/L		200.8	07/19/19:208132	200.8	07/19/19:210972
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	07/26/19:208490	314.0	07/27/19:211657

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

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

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2500 Stagecoach Road
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TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
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Office & Laboratory
9415 W. Goshen Avenue
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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019

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

Description : 19G0196-01
Project : 19G0196

Lab ID : SP 1909145-001
Customer ID : 2-12670

Sampled On : July 9, 2019-10:45
Sampled By : Not Available
Received On : July 12, 2019-07:48
Matrix : 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	11.2 ± 1.78	1.24	pCi/L	15/5	900.0	07/24/19-08:33 2P1908290	900.0	07/31/19-09:56 2A1911606
Gross Beta	14.5 ± 1.69	1.46	pCi/L	50	900.0	07/24/19-08:33 2P1908290	900.0	07/31/19-09:56 2A1911606
Strontium 90	0.188 ± 0.281	0.546	pCi/L	8	905.0	07/21/19-09:30 2P1908103	905.0	07/29/19-14:30 2A1911591
Total Alpha Radium (226)	0.000 ± 0.136	0.418	pCi/L	3	903.0	07/18/19-17:20 2P1908102	903.0	07/24/19-10:06 2A1911178
Tritium	0.000 ± 270	434	pCi/L	20000	906.0	07/22/19-10:00 2P1908184	906.0	07/23/19-07:52 2A1911070
Ra 228	0.241 ± 0.666	0.410	pCi/L	2	Ra - 05	07/23/19-17:45 2P1908104	Ra - 05	07/30/19-18:40 2A1911726

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.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Uranium	200.8	(SP 1909529-002)	MS	ug/L	5.000	133 %	75-125	435
			MSD	ug/L	5.000	124 %	75-125	
			MSRPD	ug/L	5.000	3.9%	≤20	
	200.8	07/19/19:210972AC	CCV	ppb	50.00	99.6 %	90-110	
			CCB	ppb		0.001	0.2	
			CCV	ppb	50.00	101 %	90-110	
			CCB	ppb		0.000	0.2	
Wet Chem								
Perchlorate	314.0	07/26/19:208490MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	97.5 %	85-115	
			MS	ug/L	25.00	91.2 %	80-120	
		(CH 1975576-001)	MSD	ug/L	25.00	89.3 %	80-120	
			MSRPD	ug/L	25.00	2.1%	≤15	
	314.0	07/27/19:211657MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	99.8 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	106 %	85-115	

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.
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.

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Stockton, CA 95215
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CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	07/31/19:211606JCA	CCV	cpm	7849	43.8 %	35-47	
			CCB	cpm		0.1800	0.18	
Beta	900.0	07/31/19:211606JCA	CCV	cpm	7849	93.1 %	83-94	
			CCB	cpm		0.3600	0.48	
Gross Alpha	900.0	07/24/19:208290iwc	Blank	pCi/L		1.43	3	
			LCS	pCi/L	155.2	115 %	75-125	
			MS	pCi/L	155.2	139 %	60-140	
		(SP 1909498-001)	MSD	pCi/L	155.2	143 %	60-140	435
			MSRPD	pCi/L	155.2	3.4%	≤30	
Gross Beta	900.0	07/24/19:208290iwc	Blank	pCi/L		1.64	4	
			LCS	pCi/L	26.53	114 %	84-160	
			MS	pCi/L	26.53	82.8 %	80-130	
		(SP 1909498-001)	MSD	pCi/L	26.53	82.4 %	80-130	
			MSRPD	pCi/L	155.2	0.5%	≤30	
Alpha	903.0	07/24/19:211178JCA	CCV	cpm	8206	38.2 %	37-46	
			CCB	cpm		0.0800	0.16	
Total Alpha Radium (226)	903.0	07/18/19:208102emv	RgBlk	pCi/L		0.11	2	
			LCS	pCi/L	23.33	71.5 %	52-107	
			BS	pCi/L	23.33	73.8 %	43-111	
			BSD	pCi/L	23.33	79.2 %	43-111	
			BSRPD	pCi/L	23.33	7.0%	≤35.5	
Beta	905.0	07/29/19:211591emv	CCV	cpm	8203	88.9 %	85-93	
			CCB	cpm		0.5200	0.58	
Total Strontium	905.0	07/21/19:208103emv	RgBlk	pCi/L		0.26	2	
			LRS	pCi/L	15.57	114 %	53-133	
			BS	pCi/L	15.55	79.5 %	75-125	
			BSD	pCi/L	15.55	81.2 %	75-125	
			BSRPD	pCi/L	15.55	2.1%	≤20	
Tritium	906.0	07/22/19:208184jca	Blank	pCi/L		204	<300	
			LCS	pCi/L	1754	93.1 %	75-125	
			BS	pCi/L	1754	86.3 %	75-125	
			BSD	pCi/L	1754	79.9 %	75-125	
			BSRPD	pCi/L	1754	6.8%	≤25	
	906.0	07/23/19:211070JCA	CCV	pCi/L	25670	98.0 %	90-110	
			CCB	pCi/L		228	500	
Beta	Ra - 05	07/30/19:211726emv	CCV	cpm	8202	89.7 %	84-94	
			CCB	cpm		0.4800	0.51	
Ra 228	Ra - 05	07/23/19:208104emv	RgBlk	pCi/L		-0.03	3	
			LRS	pCi/L	11.54	71.2 %	65-108	
			BS	pCi/L	11.54	82.7 %	75-125	
			BSD	pCi/L	11.54	87.4 %	75-125	
			BSRPD	pCi/L	11.54	0.53	≤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.

August 8, 2019 Lab ID : SP 1909145
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
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.
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.

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.#: 19G0196

Customer: IPC, Inc.		**Project :** (MCC) Quarterly EFF	
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	07/09/19	1045	1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn, Ca	Grab	AQ	1L P	HN	
			1	F, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1L P	4°C	
			1	CN	Grab	AQ	250 P	OH, AA 4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Perchlorate	Grab	AQ	500 P	4°C	
			6	524, 504, 552	Grab	AQ	VOA	4°C	
			6	507, 515, 632, 508, 550, 506	Grab	AQ	1L G	4°C	
			5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCCD	Grab	AQ	1L G	4°C	
			6	Radioactive - Radium-226 & 228, Gross Alpha, Gross Beta, Strontium-90, Tritium,	Grab	AQ	1L G	4°C	
			1	Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Golan Kfir (IPC)	07/09/19	12:05
Received by			7/9/19	12:05
Relinquished by			7/9/19	17:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/9/19	1720

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

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

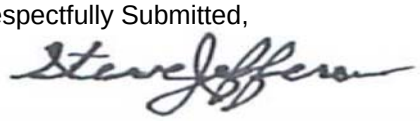
Attention: Ric Vardel
Report Date: 25-Jul-19 14:45
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0230-01) Collected: 09-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG91111	2	16-Jul-19 (EA)	43 mg/l	
Total Suspended Solids	SM 2540D	AG91114	1	11-Jul-19 (SGS)	282 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 1960230

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-282-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	7/9/19	0:00	1	TSS	~~Comp~~ / ~~Grab~~	AQ	1L P	4°C	
	11	-	1	BOD	~~Comp~~ / ~~Grab~~	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Relinquished by / Received by / Relinquished by / Received by / Relinquished by / Received in lab by	Signature	Print Name (Company)	Date	Time
Relinquished by	GK	Golan IPC	7/10/19	
Received by				
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/10/19	1255

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
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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

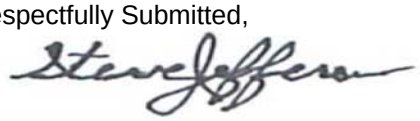
Attention: Ric Vardel
Report Date: 12-Jul-19 14:50
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0234-01) Collected: 10-Jul-19 By golan Kfir						
pH	SM4500-H-B	AG91106	0.1	10-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91107	0.05	11-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91040	1.8	12-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91040	1.8	12-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/12/2019
Laboratory Director

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			VERSION 6.18:2013
			Default Report (not modified)

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.#: 19G0234

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	7/10/19	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/10/19	
Received by:			
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	7/10/19	1255

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

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

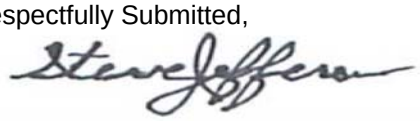
Attention: Ric Vardel
Report Date: 25-Jul-19 14:43
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0235-01) Collected: 10-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG91209	0.10	12-Jul-19 (SGS)	0.50 mg/l	
Nitrate as N	EPA 353.2	AG91108	0.20	11-Jul-19 (LA)	1.89 mg/l	
Nitrite as N	EPA 353.2	AG91108	0.02	11-Jul-19 (LA)	0.03 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG91522	0.10	16-Jul-19 (LA)	0.54 mg/l	
Total Suspended Solids	SM 2540D	AG91114	1	11-Jul-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19G0235-02) Collected: 09-Jul-19 By golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AG91111	2	16-Jul-19 (EA)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 19G0235

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
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	7/10/19	10:45	1	TSS	Grab	AQ	1L P	4°C	
	~	~	1	NH4, TKN	Grab	AQ	500 P	HS	
	~	~	1	NO2, NO3	Grab	AQ	500 P	4°C	
	7/9/19	0:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/10/19	
Received by:			
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	7/10/19	1255

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
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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: 25-Jul-19 14:13
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0259-01) Collected: 11-Jul-19 By golan Kfir						
pH	SM4500-H-B	AG91211	0.1	11-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91212	0.05	12-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91105	1.8	13-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91105	1.8	13-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
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.#: 19G0259

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	7/11/19	6:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	-	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan (IPC)	7/11/19	
Received by Ele	Evan G. pcl	7.11.19	1200
Relinquished by Ele	Evan G. pcl	7.11.19	1330
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	7/11/19	1330

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

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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

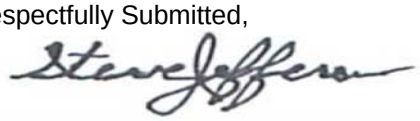
Attention: Ric Vardel
Report Date: 25-Jul-19 14:17
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0290-01) Collected: 12-Jul-19 By golan Kfir						
pH	SM4500-H-B	AG91317	0.1	12-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91318	0.05	13-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91210	1.8	14-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91210	1.8	14-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 19GO 290

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	07/12/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/12/19	
Received by			7.12.19	1246
Relinquished by			7.12.19	1345
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	7/12/19	1345

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	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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(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-Jul-19 14:20
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0297-01) Collected: 13-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG91323	0.1	13-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91427	0.05	14-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91316	1.8	15-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91316	1.8	15-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
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.#: 19G0297

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Joseph Clark	**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	7/13/19	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	7/13/19	10:00
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	7/13/19	1010
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	7/13/19	11:06

Sample Received Checklist

Temperature upon receipt: 7°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
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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

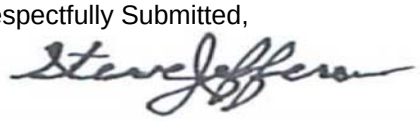
Attention: Ric Vardel
Report Date: 25-Jul-19 14:22
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0304-01) Collected: 14-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG91431	0.1	14-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91432	0.05	14-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91428	1.8	16-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91428	1.8	16-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 1960304

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** VICTOR ARIKIAN	**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	07/14/19	09:58	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	07/14/19	09:58
Received by	Jordan Corkery (Pat-Chem)	07/14/19	11:25
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	07/14/19	13:37

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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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

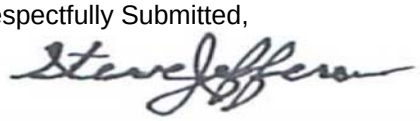
Attention: Ric Vardel
Report Date: 25-Jul-19 14:24
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0319-01) Collected: 15-Jul-19 By Golan Kfir						
pH	SM4500-H-B	AG91624	0.1	15-Jul-19 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91616	0.05	16-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91529	1.8	17-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91529	1.8	17-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 960319

Customer:	IPC, Inc.	Project :	(MCC) Daily EFF
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	7/15/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/15/19	
Received by: EG	Golan PCL	7-15-19	1200
Relinquished by: EG	Golan PCL	7-15-19	1315
Received by:			
Relinquished by:			
Received in lab by:	MARIA SAN ESTEBAN (PCL)	7/15/19	1315

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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1824 1st Street
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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: 25-Jul-19 14:26
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0356-01) Collected: 16-Jul-19 By Golan Kfir						
pH	SM4500-H-B	AG91733	0.1	16-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91734	0.05	17-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91626	1.8	18-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91626	1.8	18-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
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.#: 19G0356

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	7/16/19	10:35	AQ	1 pH, T.Res.Chlorine					
	"	—	AQ	1 Total & Fecal Coliform					
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	7/16/19	
Received by EG	Golan	7.16.19	1130
Relinquished by EG	Golan	7.16.19	1330
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	7/16/19	1330

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.

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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

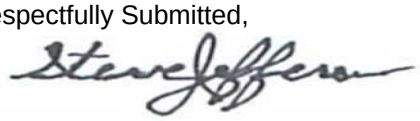
Attention: Ric Vardel
Report Date: 25-Jul-19 14:48
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0398-01) Collected: 16-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG91807	2	23-Jul-19 (REM)	447 mg/l	
Total Suspended Solids	SM 2540D	AG91914	1	19-Jul-19 (EA)	232 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 19G0398

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**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
INF	07/16/19	0000	1	TSS	Composite Grab	AQ	1L P	4°C	
1	1	1	1	BOD	Composite Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/17/19	11:30
Received by	EL	GW PM	7.17.19	1130
Relinquished by	EL	GW PCI	7.17.19	1315
Received by				
Relinquished by				
Received in lab by		Jaime Parra	7/17/19	13:15

Sample Received Checklist

Temperature upon receipt: 4

# 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

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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: 25-Jul-19 14:29
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0392-01) Collected: 17-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG91810	0.1	17-Jul-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91809	0.05	18-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91731	1.8	19-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91731	1.8	19-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
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.#: 19G0392

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	07/17/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSC)	07/17/19	
Received by		[illegible]	7.17.19	1130
Relinquished by		[illegible]	7.17.19	1315
Received by				
Relinquished by				
Received in lab by		MARIO BAUTISTA-ESTEBAN (PCL)	7/17/19	1315

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

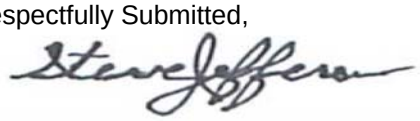
Attention: Ric Vardel
Report Date: 01-Aug-19 11:58
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0390-01) Collected: 17-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG91907	0.10	22-Jul-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AG91908	0.02	19-Jul-19 (SGS)	1.03 mg/l	
Nitrite as N	EPA 353.2	AG91908	0.02	19-Jul-19 (SGS)	0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG92514	0.10	26-Jul-19 (LA)	0.48 mg/l	
Total Suspended Solids	SM 2540D	AG91914	1	19-Jul-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19G0390-02) Collected: 17-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG91807	2	23-Jul-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
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.#: 1960390

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
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	07/17	1030	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/16	0900	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	07/17/19	
Received by	Eb	Evans	7.17.19	1130
Relinquished by	Eb	Evans	7.17.19	1315
Received by				
Relinquished by				
Received in lab by		MARCO SANTIESTEBAN (PCL)	7/17/19	1315

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

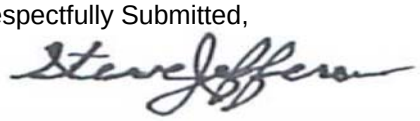
Attention: Ric Vardel
Report Date: 25-Jul-19 14:31
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0421-01) Collected: 18-Jul-19 By Carlos Alvarez						
pH	SM4500-H-B	AG91910	0.1	18-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG91911	0.05	19-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91808	1.8	20-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91808	1.8	20-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 19G0421

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	07/18/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/18/19	12:30
Received by	EB	Gavino M	7.18.19	1230
Relinquished by	EB	Gavino M	7.18.19	1400
Received by				
Relinquished by				
Received in lab by		Jaita P	7/18/19	14:00

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

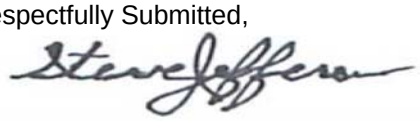
Attention: Ric Vardel
Report Date: 25-Jul-19 14:33
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0446-01) Collected: 19-Jul-19 By Golan Kfir						
pH	SM4500-H-B	AG92020	0.1	19-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92021	0.05	20-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG91909	1.8	21-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG91909	1.8	21-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 19G0446

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
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	7/19/19	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 15.8°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/19/19	12:00
Received by:	Armando Olmos / Pat Chem	7/19/19	12:00
Relinquished by:	Armando Olmos (Pat Chem)	7/19/19	13:10
Received by:			
Relinquished by:			
Received in lab by:	Jaito Patel	7/19/19	13:10

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

Attention: Ric Vardel
Report Date: 25-Jul-19 14:35
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0457-01) Collected: 20-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG92025	0.1	20-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92123	0.05	21-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92019	1.8	22-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92019	1.8	22-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 7/25/2019
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.#: 1960457

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	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	7/20/19	10:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/15.7°
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L. Clark	Joseph Clark (IPC)	7/20/19	10:25
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	7/20/19	1025
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	7/20/19	11:44

Sample Received Checklist

Temperature upon receipt: 7°

# 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
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QUALITY ANALYTICAL SERVICES SINCE 1987

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

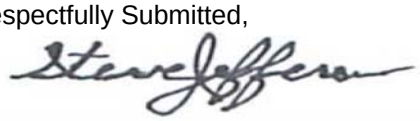
Attention: Ric Vardel
Report Date: 25-Jul-19 14:37
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0460-01) Collected: 21-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG92127	0.1	21-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92326	0.05	22-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92122	1.8	23-Jul-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92122	1.8	23-Jul-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: 1960460

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	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	7/21/19	09:51	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49/22.9°
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	7/21/19	13:15
Received by		Jordan Corkery (Pat Chem)	7/21/19	13:15
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	7/21/19	1443

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

Sample Received Checklist

Temperature upon receipt: 8°
# 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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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jul-19 14:40
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0481-01) Collected: 22-Jul-19 By c. A.						
pH	SM4500-H-B	AG92325	0.1	22-Jul-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92326	0.05	23-Jul-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92221	1.8	24-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92221	1.8	24-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 7/25/2019
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.#: ~~1960479~~ 1960481

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Ochoa	**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	07/22/19	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/17.3°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ochoa	Carlos Alvarez (SPC)	07/22/19	12:15
Received by	[signature]	Armando Olmos (Patchem)	7/22/19	12:15
Relinquished by	[signature]	Armando Olmos (Patchem)	7/22/19	13:30
Received by				
Relinquished by				
Received in lab by	[signature]	Jaime Portela	7/22/19	13:30

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
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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: 01-Aug-19 11:27
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0513-01) Collected: 23-Jul-19 By ao of PCL						
pH	SM4500-H-B	AG92428	0.1	23-Jul-19 (EG)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92427	0.05	24-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92340	1.8	25-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92340	1.8	25-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
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.#: 19G8513

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	07/23/19	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.47 / 16.6 °C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3PC)	07/23/19	12:10
Received by		Armando Olmos (PatChem)	7/23/19	12:10
Relinquished by		Armando Olmos (PatChem)	7/23/19	13:45
Received by				
Relinquished by				
Received in lab by		Jairo Parada	7/23/19	13:45

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	

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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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-Aug-19 15:57
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0551-01) Collected: 24-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AG93024	0.10	02-Aug-19 (SGS)	0.36 mg/l	
Nitrate as N	EPA 353.2	AG92430	0.02	25-Jul-19 (SGS)	0.11 mg/l	
Nitrite as N	EPA 353.2	AG92430	0.02	25-Jul-19 (SGS)	0.09 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AG92514	0.10	26-Jul-19 (LA)	2.10 mg/l	
Total Suspended Solids	SM 2540D	AG92512	1	25-Jul-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19G0551-02) Collected: 23-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG92511	2	30-Jul-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/2/2019
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.#: 19G0551

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	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	07/24/19	1100	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/23/19	0000	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	07/24/19	
Received by		Jairo Mejivar	7-24-19	12:30pm
Relinquished by		Jairo Mejivar	7-24-19	3:00pm
Received by				
Relinquished by				
Received in lab by		Jaita Patwa	7/24/19	15:00

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

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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Aug-19 11:29
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0550-01) Collected: 24-Jul-19 By c. A.						
pH	SM4500-H-B	AG92517	0.1	24-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92516	0.05	25-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92426	1.8	26-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92426	1.8	26-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
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.#: 1960550

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	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	07/24/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/24/19	
Received by		Jairo Mendivar	7-24-19	12:30pm
Relinquished by		Jairo Mendivar	7-24-19	3:00pm
Received by				
Relinquished by				
Received in lab by		Jairo Parada	7/24/19	15:00

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
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 - $CuSO_4$

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

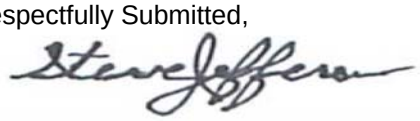
Attention: Ric Vardel
Report Date: 01-Aug-19 12:01
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0553-01) Collected: 24-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AG92511	2	30-Jul-19 (REM)	332 mg/l	
Total Suspended Solids	SM 2540D	AG92512	1	25-Jul-19 (EA)	85 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
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.#: 19Q0563

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C.	**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
INF	07/[redacted]/19	0000	1	TSS	[redacted] Composite	AQ	1L P	4°C	
"	"	"	1	BOD	[redacted] Composite	AQ	1L P	4°C	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	07/24/19	
Received by		Jairo Menjivar	7-24-19	1K:30PM
Relinquished by		Jairo Menjivar	7-24-19	3:00PM
Received by				
Relinquished by				
Received in lab by		Sadie Parada	7/24/19	15:00

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	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.

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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: 01-Aug-19 11:32
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0571-01) Collected: 25-Jul-19 By AO of PCL						
pH	SM4500-H-B	AG92517	0.1	25-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92610	0.05	26-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92513	1.8	27-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92513	1.8	27-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
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.#: 19G0571

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C.	**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	07/25/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/17.8°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cael)	07/25/19	12:05
Received by		Armando Ochoa (PatChem)	7/25/19	12:05
Relinquished by		Armando Ochoa (PatChem)	7/25/19	13:15
Received by				
Relinquished by				
Received in lab by		Taira Parada	7/25/19	13:15

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

Attention: Ric Vardel
Report Date: 01-Aug-19 11:34
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0584-01) Collected: 26-Jul-19 By AO of PCL						
pH	SM4500-H-B	AG92717	0.1	26-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92718	0.05	27-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92609	1.8	28-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92609	1.8	28-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
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.#: 1960504

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	7/26/19	10:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/13.5°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/26/19	11:00
Received by:	Armando Olmos (Pat-Chem)	7/26/19	12:05
Relinquished by:	Armando Olmos (Pat-Chem)	7/26/19	14:35
Received by:			
Relinquished by:			
Received in lab by:	Jaime Portugal	7/26/19	14:35

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: 01-Aug-19 11:38
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0600-01) Collected: 27-Jul-19 By Joseph Clark						
pH	SM4500-H-B	AG92824	0.1	27-Jul-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92823	0.05	28-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92716	1.8	29-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92716	1.8	29-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/1/2019
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.#: 1960600

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	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	7/27/19	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	7/27/19	9:50
Received by: RM	RM (PCL)	7/27/19	15:14
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	7/27/19	16:25

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 - $CuSO_4$

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LABORATORIES

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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: 01-Aug-19 11:51
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0605-01) Collected: 28-Jul-19 By Victor Arikian						
pH	SM4500-H-B	AG92824	0.1	28-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92825	0.05	28-Jul-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92818	1.8	30-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92818	1.8	30-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
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.#: 1960605

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	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	7/28/19	09:27	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 22.9
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN 7/28/19 (IPC)	7/28/19	1245
Received by	Jordan Corkery	7/28/19	1245
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/28/19	13:55

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

Sample Received Checklist

Temperature upon receipt: 7°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 -$CuSO_4$

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LABORATORIES

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

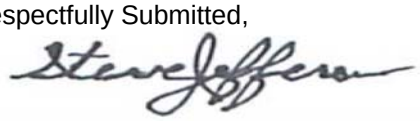
Attention: Ric Vardel
Report Date: 01-Aug-19 11:53
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0617-01) Collected: 29-Jul-19 By C. A.						
pH	SM4500-H-B	AG93119	0.1	29-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG92933	0.05	29-Jul-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG92925	1.8	31-Jul-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG92925	1.8	31-Jul-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
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.#: 196067

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	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	07/24/19	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/21.8°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Pat-Chem)	07/24/19	12:05
Received by		Armando Olmos (Pat-Chem)	7/24/19	12:05
Relinquished by		Armando Olmos (Pat-Chem)	7/24/19	13:40
Received by				
Relinquished by				
Received in lab by		Jaira Parada	7/24/19	13:40

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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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: 01-Aug-19 11:56
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0641-01) Collected: 30-Jul-19 By C. A.						
pH	SM4500-H-B	AG93119	0.1	30-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AG93029	0.05	30-Jul-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG93032	1.8	01-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG93032	1.8	01-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/1/2019
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.#: 19G0641

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	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	07/30/19	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.47/22.8°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (CA)	07/30/19	12:10
Received by		Armando Olmos (PatChem)	7/30/19	12:10
Relinquished by		Armando Olmos (PatChem)	7/30/19	13:45
Received by				
Relinquished by				
Received in lab by		Jaito Parada	7/30/19	13:45

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

PAT-CHEM
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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
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pat-chem.com

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

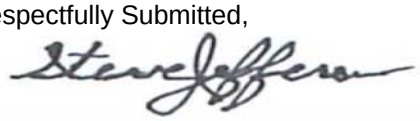
Attention: Ric Vardel
Report Date: 08-Aug-19 16:29
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19G0678-01) Collected: 30-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH90115	2	06-Aug-19 (REM)	382 mg/l	
Total Suspended Solids	SM 2540D	AH90113	1	01-Aug-19 (EA)	186 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/8/2019
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.#: 19G0678

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. [illegible],	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	Preserv	Field Data (pH / Temperature) pH: Field Lab
INF	07/30/19	0000	1	TSS	Composite Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Composite Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [illegible]	Carlos Alvarez (IPC)	07/31/19	12:15
Received by	[illegible]	Armando Olmos (Pat-Chem)	7/31/19	12:15
Relinquished by	[illegible]	Armando Olmos (Pat-Chem)	7/31/19	13:45
Received by				
Relinquished by				
Received in lab by	[illegible]	Taio Rentada	7/31/19	13:45

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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1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

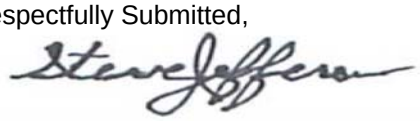
Attention: Ric Vardel
Report Date: 05-Aug-19 12:31
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0672-01) Collected: 31-Jul-19 By C. A.						
pH	SM4500-H-B	AH90112	0.1	31-Jul-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90111	0.05	01-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AG93120	1.8	02-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AG93120	1.8	02-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/5/2019
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.#: 1960672

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	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	07/31/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/20.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CA)	07/31/19	12:15
Received by		Hernandez Amos (PatChem)	7/31/19	12:15
Relinquished by		Hernandez Amos (PatChem)	7/31/19	13:45
Received by				
Relinquished by				
Received in lab by		Jaime Posadas	7/31/19	13:45

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	

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: 08-Aug-19 16:34
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19G0679-01) Collected: 31-Jul-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AH90622	0.10	06-Aug-19 (SGS)	0.20 mg/l	
Nitrate as N	EPA 353.2	AH90107	0.02	01-Aug-19 (SGS)	1.03 mg/l	
Nitrite as N	EPA 353.2	AH90107	0.02	01-Aug-19 (SGS)	0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH90533	0.10	06-Aug-19 (LA)	0.77 mg/l	
Total Suspended Solids	SM 2540D	AH90113	1	01-Aug-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19G0679-02) Collected: 30-Jul-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH90115	2	06-Aug-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/8/2019
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.#: 1960679

Customer: IPC, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**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	07/31/19	1100	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	07/30/19	0000	1	BOD	Composite	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (CAE)	07/31/19	12:15
Received by		Hemavasu Omnes (PatChem)	7/31/19	12:15
Relinquished by		Hemavasu Omnes (PatChem)	7/31/19	13:45
Received by				
Relinquished by				
Received in lab by		Jairo Parada	7/31/19	13:45

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

1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

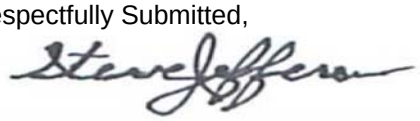
Attention: Ric Vardel
Report Date: 05-Aug-19 12:37
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0020-01) Collected: 01-Aug-19 By C. A.						
pH	SM4500-H-B	AH90119	0.1	01-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90215	0.05	02-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90110	1.8	03-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90110	1.8	03-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/5/2019
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.#: 194880

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	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	08/01/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.49 / 20.0°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	08/01/19	12:15
Received by		Hermenegildo Olivas (Pat-Chem)	8/1/19	12:15
Relinquished by		Hermenegildo Olivas (Pat-Chem)	8/1/19	14:10
Received by				
Relinquished by				
Received in lab by		Jaito Partida	8/1/19	17:10

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

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1824 1st Street
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pat-chem.com

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

Attention: Ric Vardel
Report Date: 05-Aug-19 12:40
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0047-01) Collected: 02-Aug-19 By C. A.						
pH	SM4500-H-B	AH90317	0.1	02-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90318	0.05	03-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90214	1.8	04-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90214	1.8	04-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/5/2019
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.#: 191100447

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	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	08/02/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 18.5°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SPL)	08/02/19	12:10
Received by		Hermenegildo Olmos (Pat Chem)	8/2/19	12:10
Relinquished by		Hermenegildo Olmos (Pat Chem)	8/2/19	13:35
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/2/19	13:35

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	

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-Aug-19 13:29
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0040-01) Collected: 02-Aug-19 By Carlos Alvarez						
Boron	EPA 200.7	AH90525	0.10	06-Aug-19 (AF)	0.36 mg/l	
MBAS	SM 5540C	AH90320	0.20	03-Aug-19 (JC)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AH90742	5	08-Aug-19 (PL)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AH91226	0.03	12-Aug-19 (LA)	0.08 mg/l	
Total Dissolved Solids	SM 2540C	AH90422	5	05-Aug-19 (REM)	892 mg/l	
Chloride	EPA 300.0	AH90530	1.0	05-Aug-19 (AV)	250 mg/l	
Sulfate as SO4	EPA 300.0	AH90530	0.5	05-Aug-19 (AV)	168 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/15/2019
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.#: 19H0040

Customer: IPC, Inc.		Project: (MCC) Monthly EFF	
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	8/2/19	10:30	1	SO4, Cl, TDS	Grab	AQ	1/2	4°C	
	↓	↓	1	MBAS	Grab	AQ	Gal. P 500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/02/19	12:10
Received by		Hernando Olmos (Pat-Chem)	8/2/19	12:10
Relinquished by		Hernando Olmos (Pat-Chem)	8/2/19	13:35
Received by				
Relinquished by				
Received in lab by		Julio Parada	8/2/19	13:35

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

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

Attention: Ric Vardel
Report Date: 16-Aug-19 17:01
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0059-01) Collected: 03-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH90420	0.1	03-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90419	0.05	04-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90316	1.8	05-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90316	1.8	05-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/16/2019
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.#: 1970059

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Joseph Clark	**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	8/3/19	10:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/3/19	10:40
Received by: RM	RM (PCL)	08/03/19	15:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	08/03/19	16:25

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.

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QUALITY ANALYTICAL SERVICES SINCE 1987

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San Fernando, CA 91340
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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: 16-Aug-19 17:04
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0063-01) Collected: 04-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH90737	0.1	04-Aug-19 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90534	0.05	05-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90418	1.8	06-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90418	1.8	06-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
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.#: 19H0063

(MCC) Daily EFF

Customer: IPC, Inc.	**Project :**
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:** VICTOR ARIKIAN
	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	8-4-19	10:01	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	8-4-19	
Received by	RM (PCL)	8/4/19	1420
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	8/4/19	1650

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: 16-Aug-19 17:06
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0080-01) Collected: 05-Aug-19 By C.A.						
pH	SM4500-H-B	AH90737	0.1	05-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90534	0.05	05-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90536	1.8	07-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90536	1.8	07-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
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.#: 19H0080

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. D.	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	08/05/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 17.4°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	08/05/19	12:15
Received by		Armando Olmos (Pat-Chem)	8/5/19	12:15
Relinquished by		Armando Olmos (Pat-Chem)	8/5/19	14:30
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/5/19	14:30

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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1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Aug-19 16:40
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0110-01) Collected: 06-Aug-19 By CM of PCL						
pH	SM4500-H-B	AH90737	0.1	06-Aug-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90738	0.05	07-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90624	1.8	08-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90624	1.8	08-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/20/2019
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.#: 190110

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	08/06/19	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 26.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cate)	08/06/19	12:05
Received by		Cindy Mariner TCC	8-6-19	12:25
Relinquished by		Cindy	8-6-19	14:52
Received by				
Relinquished by				
Received in lab by		Jaime Pineda	8/6/19	14:52

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	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.

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pat-chem.com

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

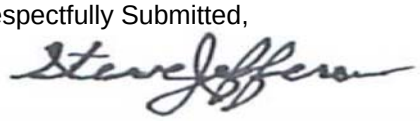
Attention: Ric Vardel
Report Date: 16-Aug-19 16:53
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0183-01) Collected: 06-Aug-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AH90810	2	13-Aug-19 (REM)	266 mg/l	
Total Suspended Solids	SM 2540D	AH90819	1	09-Aug-19 (EA)	128 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
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.#: 14HO.83

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
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
INF	8/6/19	0:00	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
	"	~	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Menjivar	8-7-19	12:~~45~~
Relinquished by	Jairo Menjivar	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jairo Perez	8/7/19	13:10

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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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

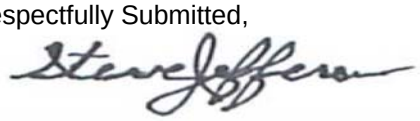
Attention: Ric Vardel
Report Date: 20-Aug-19 16:43
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0181-01) Collected: 07-Aug-19 By GK						
pH	SM4500-H-B	AH90812	0.1	07-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90749	0.05	07-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90736	1.8	09-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90736	1.8	09-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/20/2019
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.#: 19H0181

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	8/7/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: iPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Monitor	8-7-19	12:48PM
Relinquished by	Jairo Monitor	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jake Rock	8/7/19	15:00

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.com

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

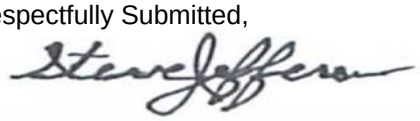
Attention: Ric Vardel
Report Date: 16-Aug-19 16:55
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0182-01) Collected: 07-Aug-19 By Golan Kfir						
Ammonia as N	EPA 350.1	AH90907	0.10	09-Aug-19 (SGS)	0.25 mg/l	
Nitrate as N	EPA 353.2	AH90821	0.02	08-Aug-19 (LA)	0.84 mg/l	
Nitrite as N	EPA 353.2	AH90821	0.02	08-Aug-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH91225	0.10	13-Aug-19 (LA)	1.72 mg/l	
Total Suspended Solids	SM 2540D	AH90819	1	09-Aug-19 (EA)	<1 mg/l	
EFF Comp (Sample I.D.# : 19H0182-02) Collected: 06-Aug-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH90810	2	13-Aug-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/16/2019
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.#: 19H0182

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
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	8/7/19	11:40	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	8/6/19	0:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Medivar	8-7-19	12:48pm
Relinquished by	Jairo Medivar	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jairo Paredes	8/7/19	15:00

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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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: 20-Aug-19 16:46
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0209-01) Collected: 08-Aug-19 By c. A.						
pH	SM4500-H-B	AH90910	0.1	09-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH90909	0.05	09-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90811	1.8	10-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90811	1.8	10-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/20/2019
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.#: 1970209

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	8/7/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: iPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/7/19	
Received by	Jairo Monitor	8-7-19	12:48PM
Relinquished by	Jairo Monitor	8-7-19	15:00
Received by			
Relinquished by			
Received in lab by	Jake Rock	8/7/19	15:00

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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(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: 20-Aug-19 16:48
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0225-01) Collected: 09-Aug-19 By Golan Kfir						
pH	SM4500-H-B	AH91017	0.1	09-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91016	0.05	10-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH90908	1.8	11-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH90908	1.8	11-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/20/2019
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.#: 1911225

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	08/08/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.45/22.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	08/08/19	12:05
Received by		Fernando Gomez (Patchem)	8/8/19	12:05
Relinquished by		Fernando Gomez (Patchem)	8/9/19	14:15
Received by				
Relinquished by				
Received in lab by		Saito Rajan	8/9/19	14:15

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	

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

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

Attention: Ric Vardel
Report Date: 20-Aug-19 16:50
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0242-01) Collected: 10-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH91117	0.1	10-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91118	0.05	11-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91018	1.8	12-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91018	1.8	12-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/20/2019
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.#: 19140242

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	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	8/10/19	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/10/19	10:15
Received by: RM	RM (PCL)	8/10/19	15:00
Relinquished by			
Received by			
Relinquished by			
Received in lab by: Jordan Corkery	Jordan Corkery	8/10/19	16:30

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

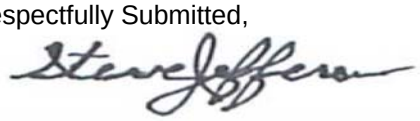
Attention: Ric Vardel
Report Date: 21-Aug-19 17:44
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0246-01) Collected: 11-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH91128	0.1	11-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91127	0.05	11-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91116	1.8	13-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91116	1.8	13-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
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.#: 19H0246

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	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	8-11-19	09:36	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	8-11-19	11:20
Received by		Jordan Corkery (PatChem)	8-11-19	11:20
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	8-11-19	12:54

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

Sample Received Checklist

Temperature upon receipt: 6°
# 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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pat-chem.com

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

Attention: Ric Vardel
Report Date: 21-Aug-19 17:47
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0260-01) Collected: 12-Aug-19 By C. A.						
pH	SM4500-H-B	AH91432	0.1	12-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91230	0.05	12-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91229	1.8	14-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91229	1.8	14-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
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.#: 19H0260

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	08/12/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 10.6°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/12/19	12:15
Received by		Armando Olmos (Patchem)	8/12/19	12:15
Relinquished by		Armando Olmos (Patchem)	8/12/19	13:25
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	8/12/19	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	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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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-Aug-19 17:49
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0297-01) Collected: 13-Aug-19 By GK						
pH	SM4500-H-B	AH91432	0.1	13-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91434	0.05	14-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91337	1.8	15-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91337	1.8	15-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
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.#: 19HO297

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	8/13/19	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/13/19	1135
Received by:	Alex Walk Jr (IPC)	8/13/19	1135
Relinquished by:			
Received by:			
Relinquished by:	Alex Walk Jr	8/13/19	1419
Received in lab by:	Jairo Parada	8/13/19	14:19

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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1824 1st Street
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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

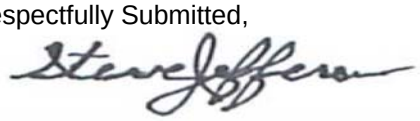
Attention: Ric Vardel
Report Date: 21-Aug-19 17:37
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0329-01) Collected: 13-Aug-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AH91521	2	20-Aug-19 (REM)	365 mg/l	
Total Suspended Solids	SM 2540D	AH91511	1	15-Aug-19 (SGS)	215 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
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.#: 19H0329

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	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
INF	08/13/19	0000	1	TSS	Composite / Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Composite / Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	08/14/19	12:15
Received by	Hermenegildo Amos (PatChem)	8/14/19	12:15
Relinquished by	Hermenegildo Amos (PatChem)	8/14/19	14:25
Received by			
Relinquished by			
Received in lab by	Jaime Patzan	8/14/19	14:25

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	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.

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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: 21-Aug-19 17:51
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0327-01) Collected: 14-Aug-19 By C. A.						
pH	SM4500-H-B	AH91516	0.1	14-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91517	0.05	15-Aug-19 (JC)	0.20 mg/l	
Fecal Coliforms	SM 9221E	AH91435	1.8	16-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91435	1.8	16-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
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.#: 1940327

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	08/14/19	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53/23.9°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	08/14/19	12:15
Received by	Armando Olmos (Pat-Chem)	8/14/19	12:15
Relinquished by	Armando Olmos (Pat-Chem)	8/14/19	14:25
Received by			
Relinquished by			
Received in lab by	Jaime Parada		

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.com

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

Attention: Ric Vardel
Report Date: 21-Aug-19 17:40
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0328-01) Collected: 14-Aug-19 By C. A.						
Ammonia as N	EPA 350.1	AH91512	0.10	15-Aug-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AH91508	0.02	15-Aug-19 (LA)	0.55 mg/l	
Nitrite as N	EPA 353.2	AH91508	0.02	15-Aug-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH91931	0.10	20-Aug-19 (LA)	0.73 mg/l	
Total Suspended Solids	SM 2540D	AH91511	1	15-Aug-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19H0328-02) Collected: 13-Aug-19 By C. A.						
Biochemical Oxygen Demand	SM 5210B	AH91521	2	20-Aug-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/21/2019
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.#: 19H0329

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
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	08/14/19	1145	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
	08/13/19	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 Arrieta (IPC)	08/14/19	17:15
Received by		[illegible] (Pat-Chem)	8/14/19	17:15
Relinquished by		[illegible] (Pat-Chem)	8/14/19	14:25
Received by				
Relinquished by				
Received in lab by		Jaiza Parada	8/14/19	14:25

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
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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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Aug-19 13:47
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0364-01) Collected: 15-Aug-19 By C. A.						
pH	SM4500-H-B	AH91613	0.1	15-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91614	0.05	16-Aug-19 (JC)	0.09 mg/l	
Fecal Coliforms	SM 9221E	AH91519	1.8	17-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91519	1.8	17-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
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.#: 1910364

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	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	06/15/19	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/24.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SRL)	08/15/19	12:00
Received by		Armando Ochoa (Patchem)	8/15/19	12:00
Relinquished by		Armando Ochoa (Patchem)	8/15/19	15:30
Received by				
Relinquished by				
Received in lab by		Jaira Parada	8/15/19	15:30

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

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1824 1st Street
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pat-chem.com

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

Attention: Ric Vardel
Report Date: 23-Aug-19 13:50
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0416-01) Collected: 16-Aug-19 By C. A.						
pH	SM4500-H-B	AH91716	0.1	16-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91717	0.05	17-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91612	1.8	18-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91612	1.8	18-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
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.#: 1914416

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. A.	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	08/16/19	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A.	Carlos A Ward (CAW)	08/16/19	
Received by	EG	Evan G (PCL)	8.16.19	1330
Relinquished by	EG	Evan G (PCL)	8.16.19	1430
Received by				
Relinquished by				
Received in lab by		Jane Parker	08/16/19	14:30

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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1824 1st Street
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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

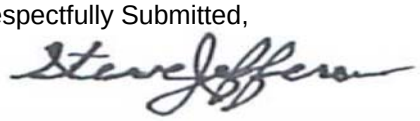
Attention: Ric Vardel
Report Date: 23-Aug-19 13:52
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0425-01) Collected: 17-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH91819	0.1	17-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91820	0.05	18-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91715	1.8	19-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91715	1.8	19-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
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.#: 19H0425

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	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	8/17/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/17/19	1035
Received by: RM	RM (PCL)	8/17/19	1440
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:			

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

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

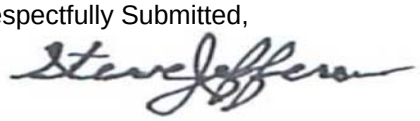
Attention: Ric Vardel
Report Date: 23-Aug-19 13:53
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0430-01) Collected: 18-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AH91823	0.1	18-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH91824	0.05	18-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91818	1.8	20-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91818	1.8	20-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
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.#: 19H0430

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Joseph Clark	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	8/18/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/18/19	10:59
Received by:	RM (PCL)	8/18/19	11:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery		8/18/19	13:25

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 - $CuSO_4$

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

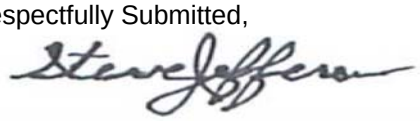
Attention: Ric Vardel
Report Date: 23-Aug-19 13:56
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0439-01) Collected: 19-Aug-19 By Golan Kfir						
pH	SM4500-H-B	AH92022	0.1	19-Aug-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92023	0.05	20-Aug-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH91935	1.8	21-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH91935	1.8	21-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/23/2019
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.#: 191439

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	8/19/19	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46/18.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/19/19	12:30
Received by	Armando amos (Patchem)	8/19/19	12:30
Relinquished by	Armando amos (Patchem)	8/19/19	14:15
Received by			
Relinquished by			
Received in lab by	Jairo Parada	9/19/19	14:15

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

Sample Received Checklist

Temperature upon receipt: 4°

# 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
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	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: 26-Aug-19 14:52
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0471-01) Collected: 20-Aug-19 By CA						
pH	SM4500-H-B	AH92133	0.1	20-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92134	0.05	21-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92027	1.8	22-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92027	1.8	22-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
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.#: 1911047|

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	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	08/20/19	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42/21.2°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	08/20/19	12:40
Received by		ARMANDO ALVAREZ (PCL)	8/20/19	12:40
Relinquished by		ARMANDO ALVAREZ (PCL)	8/20/19	15:00
Received by				
Relinquished by				
Received in lab by		Jaira Parada	8/20/19	15:00

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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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

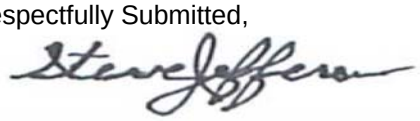
Attention: Ric Vardel
Report Date: 30-Aug-19 14:13
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0510-01) Collected: 20-Aug-19 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AH92216	2	27-Aug-19 (REM)	427 mg/l	
Total Suspended Solids	SM 2540D	AH92218	1	22-Aug-19 (EA)	242 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
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.#: 1910510

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
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
INF	08/20/19	0000	1	TSS	Composite Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Composite Grab	AQ	1L P	4°C	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/21/19	17:35
Received by		Hermenegildo Amos (Pat-Chem)	8/21/19	17:35
Relinquished by		Hermenegildo Amos (Pat-Chem)	8/21/19	15:35
Received by				
Relinquished by				
Received in lab by		Jairo Parada	8/21/19	15:35

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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(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: 26-Aug-19 14:56
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0509-01) Collected: 21-Aug-19 By CA						
pH	SM4500-H-B	AH92213	0.1	21-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92214	0.05	22-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92132	1.8	23-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92132	1.8	23-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
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.#: 19H0509

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	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	08/21/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44 / 18.3°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	8/21/19	13:35
Received by		Apantano Olmos (Patchem)	8/21/19	1335
Relinquished by		Apantano Olmos (Patchem)	8/21/19	15:35
Received by				
Relinquished by				
Received in lab by		Jairo Parada	8/21/19	15:35

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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QUALITY ANALYTICAL SERVICES SINCE 1987

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

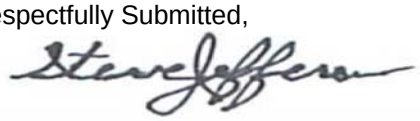
Attention: Ric Vardel
Report Date: 30-Aug-19 14:11
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0511-01) Collected: 21-Aug-19 By C. A.						
Ammonia as N	EPA 350.1	AH92209	0.10	22-Aug-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AH92210	0.02	22-Aug-19 (SGS)	1.22 mg/l	
Nitrite as N	EPA 353.2	AH92210	0.02	22-Aug-19 (SGS)	0.06 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH92733	0.10	28-Aug-19 (LA)	1.10 mg/l	
Total Suspended Solids	SM 2540D	AH92218	1	22-Aug-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19H0511-02) Collected: 20-Aug-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH92216	2	27-Aug-19 (REM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
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.#: 19H0511

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
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	08/21/19	1030	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	08/20/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	08/21/19	17:35
Received by		Armando Olmos (PatChem)	8/21/19	15:35
Relinquished by		Armando Olmos (PatChem)	8/21/19	15:35
Received by				
Relinquished by				
Received in lab by		Jairo Patada	8/21/19	15:35

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.

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 26-Aug-19 14:58
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0545-01) Collected: 22-Aug-19 By AO of PCL						
pH	SM4500-H-B	AH92310	0.1	22-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92311	0.05	23-Aug-19 (JC)	0.07 mg/l	
Fecal Coliforms	SM 9221E	AH92212	1.8	24-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92212	1.8	24-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
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.#: 19H0545

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Mike Jahromi	**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	08/22/19	12:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/15.0°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mike Jahromi IPC	08/22/19	12:25
Received by	Armando Ramos (PCL)	8/22/19	12:25
Relinquished by	Armando Ramos (PCL)	8/22/19	14:35
Received by			
Relinquished by			
Received in lab by	Jairo Perez	8/22/19	14:35

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.com

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

Attention: Ric Vardel
Report Date: 26-Aug-19 15:00
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0564-01) Collected: 23-Aug-19 By Carlos Alvarez						
pH	SM4500-H-B	AH92424	0.1	23-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92425	0.05	24-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92309	1.8	25-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92309	1.8	25-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/26/2019
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.#: 19H0564

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	08/23/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name	(Company)	Date	Time
Relinquished by		Carlos Alvarez	(IPC)	08/23/19	
Received by	EB		AM	8-23-19	1200
Relinquished by	EB		IM	8-23-19	1400
Received by					
Relinquished by					
Received in lab by		MARIO SANTESTEBAN	(PCC)	8/23/19	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
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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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

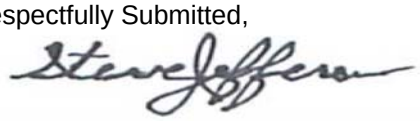
Attention: Ric Vardel
Report Date: 30-Aug-19 14:00
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0571-01) Collected: 24-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH92528	0.1	24-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92527	0.05	25-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92423	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92423	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
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.#: 1940571

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	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	8-24-19	09:44	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	8-24-19	09:46
Received by		RM (PCL)	8/24/19	14:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/24/19	16:27

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

Attention: Ric Vardel
Report Date: 30-Aug-19 14:02
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0577-01) Collected: 25-Aug-19 By Victor Arikian						
pH	SM4500-H-B	AH92621	0.1	26-Aug-19 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92622	0.05	26-Aug-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92526	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92526	1.8	27-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
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.#: 19H0577

Customer:	IPC, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	VICTOR ARIKIAN
	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	8-25-19	09:49	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	8-25-19	09:49
Received by		RM (PCL)	8/25/19	1140
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jairo Parra	8/26/19	11:40

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: 30-Aug-19 14:04
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0591-01) Collected: 26-Aug-19 By C. A.						
pH	SM4500-H-B	AH92915	0.1	26-Aug-19 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92734	0.05	27-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92631	1.8	28-Aug-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92631	1.8	28-Aug-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
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.#: 19H0591

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alarcon	**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	08/26/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.68
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alarcon	Carlos Alarcon (IPC)	08/26/19	
Received by	EB	Cindy M	8.26.19	1200
Relinquished by	EB	Cindy M	8.26.19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parada	8/26/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°

# 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

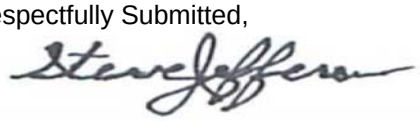
Attention: Ric Vardel
Report Date: 30-Aug-19 14:06
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0629-01) Collected: 27-Aug-19 By gK						
pH	SM4500-H-B	AH92915	0.1	27-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92734	0.05	27-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92735	1.8	29-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92735	1.8	29-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 8/30/2019
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.#: 19H0629

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan KFY	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	8/27/19	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41 / 15.3°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/27/19	12:20
Received by: [illegible]	[illegible]	8/27/19	12:20
Relinquished by: [illegible]	[illegible]	8/27/19	14:15
Received by			
Relinquished by			
Received in lab by: [illegible]	Jairo Parada	8/27/19	14:15

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

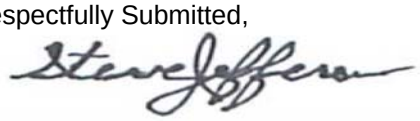
Attention: Ric Vardel
Report Date: 04-Sep-19 11:40
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19H0654-01) Collected: 27-Aug-19 By c. A.						
Biochemical Oxygen Demand	SM 5210B	AH92916	2	03-Sep-19 (REM)	268 mg/l	
Total Suspended Solids	SM 2540D	AH92917	1	29-Aug-19 (EA)	128 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
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.#: 911b654

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
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
INF	08/27/19	0000	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/28/19	
Received by		Jairo Menjivar	8/28	12:30P
Relinquished by		Jairo Menjivar	8/28	3:00P
Received by				
Relinquished by				
Received in lab by		Jairo Rivas	8/28/19	15:0

Sample Received Checklist

Temperature upon receipt: 4.0°
# 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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which have agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 (or services agreed upon) 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 written 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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. Any variant or additional terms and conditions expressed in a client's document shall be deemed to be only 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), QA Watchdog (QAP), 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 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 lowliest amount for said services. Client's acceptance of a work order or a bid proposal releases PCL from any liability or claims in 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 at 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 services materials provided by client or at client's request and the results obtained by PCL shall at no time be disclosed to any such individual or organization available to the public or to the public at large or client has filed to pay PCL for all services rendered and otherwise in accord of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any disclosure inadvertent or otherwise, not caused by PCL's gross negligence or willful misconduct. PCL agrees to use reasonable commercial care for the exclusive use and benefit of client and client agrees that it shall be solely responsible for all use of reports, data or information. Client will not publish or allow to any third party any interpretation, opinion or conclusion without written consent of PCL.

10 Hold Harmless

Client hereby agrees to at all times, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses, damages, claims, demands, causes of action, suits and proceedings, including, but not limited to all costs thereto, including attorneys fees and costs arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or client's failure, handling or disposal of client's hazardous materials. 2. Injury, damage or death of persons 3. Loss of, damage to, breach of, loss of use of, property and/or 4. Environmental damage of every kind or character. The indemnity does not apply to any of the foregoing losses, claims, damages or liabilities which arise out of the sole negligence or willful misconduct of PCL or its employees. Further, the indemnity shall continue, apply to, cover, name and apply against any and every claim and cause of action set forth in this section, even after the termination of this agreement. The foregoing indemnities will be in addition to any liability which the client may have to PCL and the PCL shall be compensated for such. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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, expenses or other fees including without limitation, attorney's fees, court costs, fines for and in each judgment collection, 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 except claims in the grounding party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples exclusively for analysis (such as asbestos, polychlorinated biphenyls, Barbecue 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 portion 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 policies. In addition, all samples received by PCL for any/all biological analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable prices and rates in effect at the time of execution of the date the services were rendered or with prices quoted and later confirmed in writing. Price schedules subject to change at any time without notice. Payment in advance or when invoice is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are Net 15 days with thirty (30) days from date of invoice. To the fullest extent permitted by all applicable law, any amount unpaid within the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees for specific fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be 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 securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the residents of any entity, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting 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 advance. 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 3pm 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. For analyses with holding times of 24 hours or less, samples must arrive within 16 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 inspection to ensure that the holding times can be met. Short holding times of 48 hours or less (turnaround 8-9 hours) must be delivered the 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 listed 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: 30-Aug-19 14:08
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0658-01) Collected: 28-Aug-19 By gK						
pH	SM4500-H-B	AH92915	0.1	28-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92836	0.05	28-Aug-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92831	1.8	30-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92831	1.8	30-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 8/30/2019
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.#: 14to458

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
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	08/28/19	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/28/19	
Received by		Jairo Ramirez	8/28	1230PM
Relinquished by		Jairo Ramirez	8/28	3:30PM
Received by				
Relinquished by				
Received in lab by		Jairo Ramirez	9/28/19	1530

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

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. 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 condition 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), U.S. Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) for 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 samples made/taken provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, operators, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees, fine, judgment and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or 1. transportation, handling or disposal of client's hazardous materials, 2. injury, illness or death of persons, 3. loss of, damage to, loss of, or loss of use of property and or, 4. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which coverage 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 the 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 analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or described 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 portion 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 personal analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

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

13. Agreement Modification

Changes, modifications or amendments to these Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative. Additional authorization orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries/No Right of Reliance

PCL shall have non responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the 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 contracting 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 advance. 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 168 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without levying a rush surcharge. All short holding times, 0-7 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

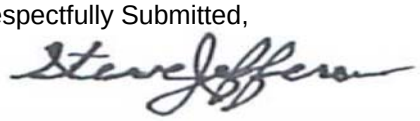
Attention: Ric Vardel
Report Date: 04-Sep-19 16:33
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0660-01) Collected: 28-Aug-19 By C. A.						
Ammonia as N	EPA 350.1	AI90429	0.10	04-Sep-19 (SGS)	0.15 mg/l	
Nitrate as N	EPA 353.2	AH92913	0.02	29-Aug-19 (SGS)	0.70 mg/l	
Nitrite as N	EPA 353.2	AH92913	0.02	29-Aug-19 (SGS)	0.07 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AH92921	0.10	30-Aug-19 (LA)	0.67 mg/l	
Total Suspended Solids	SM 2540D	AH92917	1	29-Aug-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19H0660-02) Collected: 27-Aug-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AH92916	2	03-Sep-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
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.#: 19H0660

Customer: IPC, Inc.	Project : (MCC) Weekly EFF
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: C. [illegible]
	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	08/28/19	1100	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	08/27/19	0000	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (IPC)	08/28/19	
Received by	[signature]	Jaird Manjivar	8/28	12:30PM
Relinquished by	[signature]	Jaird Manjivar	8/28	3:00PM
Received by				
Relinquished by				
Received in lab by	[signature]	Santo Rivera	8/29/19	15:00

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" (herein these "Terms and Conditions") sets forth the general terms and conditions of sale, including the price schedule, and any addendum or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 refreshed from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only upon the following Terms and Conditions (the "Terms"). These Terms shall govern all of PCL and the Client shall have executed a separate agreement in writing which does not expressly state 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 order of consult (LOC) to PCL. Any such order/consult is an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and is 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 course of additional or this and conditions shall confirm a client's consent 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 include 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 care prevailing 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 (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) for the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to select from these methodologies it necessary or appropriate based on the nature of compositions of the samples or otherwise based on the reasonable judgement of PCL. Limitations, 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 own QA/QC policies. The total liability of PCL, its affiliates, 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 assuring 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 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 reports prepared solely and exclusively for Client pursuant to the terms of this LOC shall be held in confidence unless such information is generally available to the public at the time such information is first disclosed by PCL. In all services rendered or to be rendered in relation to the agreements subject to any disclosure required by law or legal process, PCL shall 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 unless such standard was violated. PCL's reports and information provided hereunder are for the exclusive use and benefit of Client and PCL agrees that it shall not disclose to third parties any such reports, data or information. Client shall not disclose to any third party who is not a client any test results, software programs or other technologies.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all claims, losses, damages, causes of action, suits, and liabilities of every kind, including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, relating to any way occurring incident to arising out of, or in connection with the performance of services by PCL and such holding agreement and/or any publication, handling or disposal of client's hazardous materials. Client hereby waives any and all claims against PCL and all agents, employees, officers, directors, successors and assigns of every kind and nature whatsoever. This indemnity shall not apply to any of the foregoing losses, claims, damages or injuries caused solely by the active negligence or willful misconduct of PCL or its employees, but this indemnity shall apply to any such losses, claims, damages or injuries caused by any negligent act or omission of Client or to any such losses, claims, damages or injuries caused by the active or passive negligence or willful misconduct of any third party, including but not limited to independent contractors, consultants and agents of Client, except for the sole negligence or willful misconduct of PCL. Client's duty to indemnify PCL includes the duty to defend it in any such claim, suit or action, with counsel of PCL's choice, provided that PCL reasonably cooperates in the defense of such claim, suit or action. Reasonable cooperation shall include, but not be limited to, making available all pertinent information under the control of Client, including witnesses, documents, retainers and experts, and obtaining the testimony of Client's witnesses and experts. Client's obligation to indemnify PCL includes reasonable attorneys' fees, costs, and other expenses incurred by PCL in connection with the defense of any claim, suit or action. In the event Client refuses or neglects to defend PCL as required and it is subsequently determined by a court of competent jurisdiction or by admission of Client that PCL was entitled to indemnification hereunder because Client refused or neglected to defend PCL, Client shall pay to PCL all costs, damages and attorneys' fees incurred by PCL in obtaining such indemnification.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide any PCL with reasonable information regarding samples and/or materials, properties of tested, hazards, and any other hazardous or noncontaminant, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (collectively, "Hazardous Substances"). Client understands that PCL may perform services that may involve Hazardous Substances, and agrees that any Hazardous Material received by PCL from client or at client's request at all times the property of Client and that upon completion of PCL's services, PCL will dispose of unconsumed 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 for disposal, PCL will return to the client all unused samples, also to 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 analysis for metal analysis, client will be charged a sample disposal fee (per sample submitted) in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client agrees that PCL in accordance with PCL's applicable price in effect at the time of operations or the date the services were rendered or materials supplied and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or under terms is completely required for all new clients until a history of prompt payment and credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law an administration fee, any amount unpaid by the thirty (30) days is 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 unpaid amount is collected through legal proceedings or by an attorney, the client agrees to pay reasonable costs and attorney's fees in addition to that associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective unless in writing and executed by an officer of PCL and Client's authorized representative. Verbal instructions orders for additional services may be carried out 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 to indirectly PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or any other representative capacity 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 acknowledges, warrants, and agrees that said data, information, and reports are not negotiable, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting 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 advance. 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 or even mailed after 5pm 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 may be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet turning times without applying a rush surcharge. All short holding times (7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) should not be delivered after same day in order to meet short holding times are met. After hours, late delivery, freight company delays or weekend pick-up 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 assessed at 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: 04-Sep-19 11:29
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0675-01) Collected: 29-Aug-19 By c. A.						
pH	SM4500-H-B	AH92931	0.1	29-Aug-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH92932	0.05	29-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH92914	1.8	31-Aug-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH92914	1.8	31-Aug-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
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.#: 19H0675

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. Alvarez	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	08/29/19	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43/13.9°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	08/29/19	12:05
Received by		Armando Olmos (PAT-CHEM)	8/29/19	12:05
Relinquished by		Armando Olmos (Pat-Chem)	8/29/19	14:00
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	8/29/19	19:00

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

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. 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 contrary 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), CA Waterboard (ELAP), 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or Client has filed to pay PCL for all services rendered as it otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own proprietary data and shall not be responsible for unauthorized disclosure of said data where 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 beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence (or breach of contract) by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 analyses 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.50%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by attorneys, the Client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by authorized officers of PCL and by client's authorized representative. Acceptance of subsequent orders for additional services may be 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 securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 requirements, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or in support of, the 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 contracting 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 3pm 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 (4 days) of collection to meet holding times without applying a rush surcharge. All short holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to insure 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 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: 04-Sep-19 11:31
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0693-01) Collected: 30-Aug-19 By AO of PCL						
pH	SM4500-H-B	AH93117	0.1	30-Aug-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AH93118	0.05	31-Aug-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH93010	1.8	01-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH93010	1.8	01-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
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.#: 19H0693

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
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	08/30/19	0955	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50 / 12.7°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

Signature	Print Name (Company)	Date	Time
Relinquished by:	Carlos Alvarez (C&pc)	08/30/19	11:35
Received by	Hernando Olmos (Pat-Chem)	8/30/19	11:35
Relinquished by	Hernando Olmos (Pat-Chem)	8/30/19	12:55
Received by			
Relinquished by			
Received in lab by	Jaime Parada	8/31/19	12:55

Sample Received Checklist

Temperature upon receipt: Lab/Ice

# 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 (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
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13. Agreement Modification
14. No Third Party Beneficiaries' No Right of Reliance
15. Rush Analysis
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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: 04-Sep-19 11:34
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19H0705-01) Collected: 31-Aug-19 By Joseph Clark						
pH	SM4500-H-B	AI90122	0.1	31-Aug-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90123	0.05	01-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AH93116	1.8	02-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AH93116	1.8	02-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/4/2019
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.#: AHO705

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Joseph Clark	**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	8/31/19	9:45A	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph Clark	Joseph Clark (IPC)	8/31/19	0950
Received by: RM	RM (PCL)	8/31/19	1430
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Jordan Corkery	Jordan Corkery	8/31/19	1656

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

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are sent to or sent by "Client" meaning the individual or entity who may request laboratory services, consulting or sampling services and receive a quote, work permit, receipt and representations. "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 its services.

3. Orders and Acceptance

PCL offers and indicates orders for services are offered exclusively upon and subject to the following contractual 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 order of services to/from PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and is an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services shall constitute the client's express assent to be governed by these terms and conditions. No ordinary or additional terms and conditions expressed in a client's documents shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purposes 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), 40 Code of Federal Regulations (CFR), 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 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 representatives to the client, arising out of or in connection with the services to be provided herein, shall not exceed the quoted amount for such services. Client's acceptance of a work order and /or analytical 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 results obtained by PCL shall be held in confidence unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of this agreement (subject to any disclosure required by law or legal process). PCL agrees to maintain standard of care in accordance with industry practice. Data and charts will be released only to the client against payment of any and all sums owed to PCL. Any and all PCL reports and information prepared hereunder are for the exclusive use and benefit of Client and PCL agrees that it will not provide any third party with any reports, data or information regarding technical information, software, programs or other financial issues.

10. Hold Harmless

Client releases and indemnifies, defends and holds PCL, its employees, officers, directors, parents, affiliates, subsidiaries and agents harmless from and against any and all claims, losses and damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, court fees, litigation expenses and amounts arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or as related to any handling or disposal of client's hazardous materials. In no event, however, shall PCL be liable for any indirect, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses shall include, without limitation, attorney's fees, court costs, and the cost of in-house counsel employed by Client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples exclusively for analysis such as asbestos, polychlorinated biphenyls, herbicides 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 does not accept samples containing or consisting of items often encountered or unrecognized in any judicial or administrative interpretation of any, but not 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 shall be charged a sample disposal fee per sample submitted in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Except as set out in PCL's acceptance with PCL's applicable price schedule, no client shall have any of its claims on the other party waived, released or with prices quoted and fully paid for in advance. The prices set forth in the Price Schedule are subject to change at any time in the discretion of PCL. In addition, all prices are subject to change without notice in the event that PCL is unable to establish credit terms with the client. Unless otherwise established in writing, all invoices are due and payable in full upon receipt. The client's payment of charges are due 15 days from invoice date. In the event a client fails to pay its invoices, the client shall be responsible for all of PCL's collection costs and expenses including, but not limited to, attorney's fees, court costs and collection agency charges. If client's account is not paid when due, PCL shall be entitled to charge interest on the unpaid balance at the rate of 1.5% per month or the highest rate permitted by law, whichever is less. Client shall pay all taxes, duties and assessments of any nature, however designated, levied or imposed by any governmental authority on or measured by any transaction between PCL and client, including, but not limited to, sales, use, excise, value added, gross receipts, and services taxes, but excluding taxes based on the net income of PCL. Client shall pay all charges for services, whether or not client has received an invoice for such charges, within 30 days after the date of the invoice. Client shall pay interest on all late payments at the rate of 1.5% per month (18% per annum) or the maximum rate permitted by law, whichever is less. Client shall also pay all of PCL's costs of collection, including reasonable attorneys' fees, incurred in connection with the collection of late payments. Client shall pay all charges for services, whether or not client has received an invoice for such charges, within 30 days after the date of the invoice. Client shall pay interest on all late payments at the rate of 1.5% per month (18% per annum) or the maximum rate permitted by law, whichever is less. Client shall also pay all of PCL's costs of collection, including reasonable attorneys' fees, incurred in connection with the collection of late payments.

13. Agreement Modification

Changes to this agreement are not binding unless they are in writing and executed by an authorized representative of PCL and the client. Authorized representatives, except those subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information or reports provided by PCL. Client is securing services hereunder for its own account, and not as agent for others, or any other representative capacity. Any other person or entity is not 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, or any representations, warranties, and agrees that any data, information and reports are not represented, or shall be used to relied upon, in connection with or as part of the performance, understanding, or utilization of any, securities, any persons, or other persons relating to the holders of any security, the pricing, appropriateness, reliability, or expression of any loan from any financial institution or other lender or the ability of any person to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis 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

PCL cannot be responsible for holding times that are exceeded because of samples that are received on weekends or after business hours or holidays without prior notification and acceptance. Unrealistic holding times and storage conditions should be evaluated 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 24 days or less (samples must arrive within 96 hours to allow PCL to meet holding times within applying a rush surcharge. All short holding times (7-7 days, samples must arrive at the lab within 24 hours before application to ensure that the holding time can be met. Short holding times (7 days or less) are critical and it is found to not be sufficient for same day or next day to allow for analytical holding times are met. Short holding times, freight, customs 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 quote issue 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 disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. However, in the event that a situation arises where pick up or sampling is unnecessary, delays during the pick up or sampling, inability to locate or access the

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

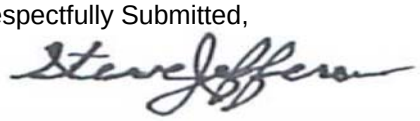
Attention: Ric Vardel
Report Date: 04-Sep-19 11:36
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0003-01) Collected: 01-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI90125	0.1	01-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90126	0.05	01-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90124	1.8	03-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90124	1.8	03-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
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.#: 19I0003

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: VICTOR ARIKIAN	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	9-1-19	09:32	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46 / 26.6°
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (FPL)	9-1-19	09:32
Received by	Jordan Corkery (Pat-Chem)	9-1-19	11:32
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	9-1-19	1310

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

Sample Received Checklist

Temperature upon receipt: 7°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 (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

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7. Overriding Agreement

8. Force Majeure

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10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

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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: 04-Sep-19 11:38
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0008-01) Collected: 02-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI90322	0.1	02-Sep-19 (PL)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90331	0.05	03-Sep-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90218	1.8	04-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90218	1.8	04-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/4/2019
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.#: 19IC008

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	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	9-2-19	09:12	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	9-2-19	09:12
Received by			9.2.19	1200
Relinquished by			9.2.19	1400
Received by		Jordan Corkery	9/2/19	1400
Relinquished by				
Received in lab by		Jordan Corkery	9/2/19	1400

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

Sample Received Checklist

Temperature upon receipt: 6°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	

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: 06-Sep-19 13:30
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0044-01) Collected: 03-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90433	0.1	03-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90432	0.05	04-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90332	1.8	05-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90332	1.8	05-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/6/2019
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.#: 19I0044

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** C. Alvarez	**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	09/03/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	09/03/19	
Received by	[illegible]	[illegible]	9.3.19	1230
Relinquished by	[illegible]	[illegible]	9-3-19	1400
Received by				
Relinquished by				
Received in lab by			9/3/19	14:00

Sample Received Checklist

Temperature upon receipt: 40c

# 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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued from time to time by PCL.

2. Independent Contractor

PCL is to serve as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereinafter) within the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in written 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 order (if accepted by PCL). Any such order constitutes Client acceptance of the Client of PCL's offer to do business with the Client under the Terms and conditions and (if an agreement has been signed by those terms and conditions). The Client's delivery of samples to PCL or Client's consulting services constitutes the Client's express assent to be governed by these terms and conditions. No revisions or additions to the terms and conditions set forth in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purposes of this Agreement, "Services" shall mean all work to be performed for the Client, including the furnish 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 methodology(s) which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA-WaterBoard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods, and/or the Commission 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 furnished or the reasonable judgement of PCL. Deviations, if any, will be made on a basis in conformity 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 hereto, shall not exceed the invoiced amount for such services. Client's acceptance of a work order and its original releases PCL from any liability or claims of the invoiced amount for the services noted/outstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform 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 orally, 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 work are confidential, owned by Client or its owner to whom it belongs and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or to the public domain or otherwise Client to give PCL an express written or otherwise in writing of the Client) subject to the following exceptions: PCL may disclose Client's name in lists of clients, (c) PCL may use Client's data and their not be responsible for unauthorized disclosure of Client data when: (a) it complies with PCL reports and information provided thereunder are for the exclusive use and benefit of Client and (b) agrees those shall be no third party beneficiaries of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software, computer or other trade secrets.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents (collectively "Indemnified Parties") harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses, including, without limitation, reasonable attorneys' fees and costs (collectively "Losses") and arising in favor of Client or any third party as a result of, or relating to, any breach of this agreement by Client or any of its employees, agents or subcontractors, or any act or omission of Client or any of its employees, agents or subcontractors in connection with the performance of services by PCL hereunder. This agreement and Client's indemnification obligation shall survive the termination of this agreement. Client's indemnification obligation shall not apply to any of the foregoing to the extent such Losses are caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically exclude consequential damages (whether of every kind and character) arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether such negligence or the performance of services is by this agreement. The foregoing indemnification will be in addition to any liability which the Indemnified Person may have to Client and the other indemnified Persons. To the extent that any other applicable law, client agrees hereby indemnify obligation will be supported by evidence of liability or potential liability to be furnished to Client, which insurance shall be in the maximum amount permitted under such 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 opportunity, loss of use, expenses or other loss including without limitation attorney's fees, expert fees, and the costs of any suit) suffered by Client or any third party arising against or relating to any indemnified person's performance under this agreement or services, whether 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 PCL with certain samples, including for analysis, such as asbestos, pollutants, hazardous substances, or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as by federal, state or local laws, rules, PCL policies or regulations (whether existing or hereafter enacted or promulgated, as interpreted by any judicial or administrative interpretation of such any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous Materials 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 collected in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Prices for PCL's services are as stated in PCL's applicable price schedule in effect at the time of acceptance of the order. Any services not included in such schedule shall be charged at PCL's then current rates. In connection with PCL's performance of services hereunder, the terms of payment of PCL's fees are net [illegible] days from date of invoice. Late payments may be subject to a finance charge of [illegible] per month or the maximum rate permitted by law, whichever is less, and all costs of collection, including reasonable attorneys' fees. Client shall pay all taxes (other than taxes based on PCL's net income) imposed on or by reason of the services provided hereunder. Client will not withhold payment of any invoice because of any dispute with respect to any other invoice or for any other reason.

13. Agreement Modification

Changes or modifications to or waiver of any of the terms of this agreement shall be effective only if in writing and executed by an officer of PCL and the client or authorized representative. Failure of PCL to enforce its rights under this agreement at any time, for any period of time, or with respect to any particular breach by Client shall not be construed as a waiver of such rights and shall not affect the right of PCL to enforce such rights or any other right at any time, for any period of time, or with respect to any subsequent breach of Client. Any waiver must be set forth in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability to client's use of or reliance on data, information or reports furnished to PCL. Client is hereby solely responsible for its own actions, and not as agent or representative of PCL, and has no representation or capacity to 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, and no information or reports, including data, will be used, furnished or provided to any third party. Client agrees, warrants, and represents that no data, information, or reports are to be relied upon or used in connection with or against, the defendant, sale, underwriting, solicitation, or any other action or inaction of any kind, or any party, or other person or entity, or any of any kind, the creation, renewal, or extension of any loan from any financial institution or other person or the modification of or in connection with, directly or indirectly, any guarantee of any kind or description.

15. Rush Analysis

Rush analysis are not 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 rate will apply.

16. Holding Times

PCL cannot be responsible for testing samples that are excluded because it includes but is not limited to weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed by the client before being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 15 days or less, samples must arrive within 48 hours to allow PCL to meet holding times. PCL does not provide a rush surcharge. All short holding times (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 (example is turnaround times) are subject to a surcharge. Unless otherwise specified, Pat-Chem Laboratories will ship samples via the delivery service of its choice. Freight company delays or similar issues are subject to additional costs and/or the inability to meet holding times. All holding times are calculated from the collection date of the sample and are subject to change without notice.

17. Sample Retention

All samples are retained for at least [illegible] days after analysis has been completed. Sample storage for longer periods is subject to an additional charge. Samples will be disposed of at the end of the storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up sampling requests must be arranged in advance with our scheduler. Requests for pick up must be made [illegible] prior to pick up. If service is not necessary due to cancelling, there will be a [illegible] charge.

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

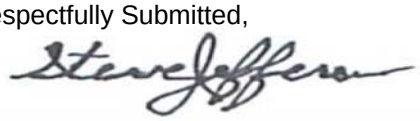
Attention: Ric Vardel
Report Date: 09-Sep-19 10:20
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0043-01) Collected: 03-Sep-19 By Carlos Alvarez						
Boron	EPA 200.7	AI90428	0.10	05-Sep-19 (AF)	0.27 mg/l	
MBAS	SM 5540C	AI90424	0.20	04-Sep-19 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AI90434	5	05-Sep-19 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AI90516	0.03	05-Sep-19 (LA)	0.09 mg/l	
Total Dissolved Solids	SM 2540C	AI90441	5	06-Sep-19 (EA)	812 mg/l	
Chloride	EPA 300.0	AI90439	1.0	04-Sep-19 (AV)	246 mg/l	
Sulfate as SO4	EPA 300.0	AI90439	0.5	04-Sep-19 (AV)	124 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/9/2019
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.#: 19I0043

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
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	09/03/19	1105	1	SO4, Cl, 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	250 P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Aragon (Carc)	09/03/19	
Received by			9.3.19	1230
Relinquished by			9.3.19	1400
Received by				
Relinquished by				
Received in lab by			9/3/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°

# 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" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 Client all 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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 oral 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), CA Waterboard (ELAP), 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 subcontractors to the client, either out of or in connection with the services to be provided hereon, 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 sensitive 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 or in the public domain or client has filed to pay PCL for all services rendered) It is an event in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information is provided solely for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way resulting 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 person 2. loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (or alleged negligence) of any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 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 or 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 analyses such as asbestos, pathogenated organisms, bacteria or any other hazardous or toxic material, waste 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

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

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be 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 retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the 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 conducting 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.

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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

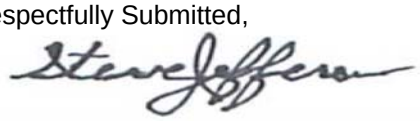
Attention: Ric Vardel
Report Date: 10-Sep-19 14:25
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0073-01) Collected: 03-Sep-19 By c. A.						
Biochemical Oxygen Demand	SM 5210B	AI90440	2	09-Sep-19 (REM)	325 mg/l	
Total Suspended Solids	SM 2540D	AI90507	1	05-Sep-19 (SGS)	150 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/10/2019
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.#: 19I0073

Customer: IPC, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** C. A.	**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
INF	09/03/19	0000	1	TSS	Composite	AQ	1L P	4°C	
1	1	1	1	BOD	Composite	AQ	1L P	4°C	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A.	Carlos Alvarez (IPC)	09/04/19	
Received by	EB	Carlos	9.4.19	1300
Relinquished by	EB	Carlos	9-4-19	1400
Received by				
Relinquished by				
Received in lab by		Sam Parvin	9/4/19	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	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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments to which we agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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 contrary 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), CA Waterboard (ELAP), 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 effectively.

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

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring 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, damage or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (or claims of conduct) by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any remedy which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 loss 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 analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, waste 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and taxes confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.50%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees established with such collection procedure or efforts.

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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.

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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: 06-Sep-19 13:33
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0075-01) Collected: 04-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90513	0.1	04-Sep-19 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90512	0.05	05-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90431	1.8	06-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90431	1.8	06-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/6/2019
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.#: 19E0075

Customer: ~~IPC, Inc.~~ ~~(MCC) Daily EFF~~		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	09/04/19	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.04
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/04/19	
Received by			9.4.19	1300
Relinquished by			9.4.19	1400
Received by				
Relinquished by				
Received in lab by		Jaime Parada	9/4/19	14:00

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

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (plus litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages arising of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available 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 interest, 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 (ex ple 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 an 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 analyses 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.

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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.

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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: 11-Sep-19 16:00
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0074-01) Collected: 04-Sep-19 By C. A.						
Ammonia as N	EPA 350.1	AI90508	0.10	05-Sep-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI90517	0.02	05-Sep-19 (LA)	0.13 mg/l	
Nitrite as N	EPA 353.2	AI90517	0.02	05-Sep-19 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI90926	0.10	10-Sep-19 (LA)	0.84 mg/l	
Total Suspended Solids	SM 2540D	AI90507	1	05-Sep-19 (SGS)	<1 mg/l	
EFF (Sample I.D.# : 19I0074-02) Collected: 03-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI90440	2	09-Sep-19 (REM)	3 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/11/2019
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.#: 19I0074

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: [signature]	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	09/04/19	1020	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
"	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
"	09/03/19	0000	1	BOD	[redacted] Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (SPC)	09/04/19	
Received by	EC [signature]	[signature]	9.4.19	1300
Relinquished by	EC [signature]	[signature]	9.4.19	1400
Received by				
Relinquished by				
Received in lab by	[signature]	Jairo Parada	9/4/19	14:60

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**

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

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing its 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 incorporates 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 Letter of Intent (LOI) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or subsequent sampling services constitutes the client's express assent to be governed by these terms and conditions. No verbal 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 procedures, 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 only the methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Environmental Laboratory Accreditation Program (ELAP), 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 such methodologies in order to use alternate data to the extent that in the reasonable judgment 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 representatives to the client arising out of or in connection with the services to be provided hereunder shall not exceed the invoiced amount for said services. Client's acceptance of the work under and or payment releases PCL from any liability in excess of the invoiced amount for the services rendered regarding 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 of 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 after 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 all correspondence and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or unless filed by PCL for all services rendered or in connection with the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereto are for the exclusive use and benefit of client and no 3rd party shall rely on, or hold PCL liable for, any decision made or action taken by any 3rd party based upon any report, data or information. Client will not disclose to any third party any information concerning technical information, software or procedures of PCL unless.

10. **Hold Harmless**

Client indemnifies and shall save harmless, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies (collectively, "PCL Indemnitees") from and against any and all claims, demands, causes of action, damages, losses and reasonable expenses (including attorneys' fees and litigation expenses) and costs arising in favor of client or any third party as a result of, and/or in any way accruing or resulting in whole or in part, or in connection with the performance of services by PCL pursuant to this agreement and/or subsequent orders, including disposal of client's hazardous materials. In more general terms of personal injury, loss of data or loss or use of property or loss of business or profits or any other damages of any kind or nature whatsoever, whether direct, indirect or consequential, which are in any manner connected with, or attributable to, the performance of services under this agreement. The foregoing indemnity will be in addition to any liability which the client might otherwise have to PCL and the other indemnitees hereunder. To the fullest extent permitted by applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage in an amount sufficient, which minimally shall be in the minimum amounts prescribed under applicable law. Client agrees that its indemnity obligation will include, without limitation, all costs of defending against any such claims, demands or actions and all damages including without limitation, cost of goods or services, loss of profits or business, loss of use of facilities, expert witness fees, attorneys' fees, court costs, and the cost to PCL for all services rendered or in connection with the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL's reports and information provided thereto are for the exclusive use and benefit of client and no 3rd party shall rely on, or hold PCL liable for, any decision made or action taken by any 3rd party based upon any report, data or information. Client will not disclose to any third party any information concerning technical information, software or procedures of PCL unless.

11. **Hazardous Substances**

In order to perform the services requested by client, client will provide and PCL will receive samples which are known or suspected to contain hazardous substances. Client represents and warrants that all samples submitted to PCL from client or on client's behalf shall not be hazardous materials, unless prior authorization is granted by PCL. Client agrees 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 or 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 handling fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's existing price schedule in effect at the time of the execution of this agreement. PCL reserves the right to change its prices at any time upon 30 days' written notice. Payment is due in advance of services rendered. Payment shall be made by check, money order or credit card. Client may establish credit with PCL by completing a credit application and submitting it to PCL for approval. Once approved, client may make payments on account. Failure to pay an undisputed invoice on account due to no fault of PCL within thirty (30) days from date of invoice. To the fullest extent permitted by law or applicable law, any amount owing to PCL by client which remains unpaid for more than thirty (30) days from date of invoice, unless disputed in good faith by client, shall bear interest at the rate of 1.5% per month (18% per annum) or the highest rate permitted by law, whichever is less, from the date payment is due until paid in full. Client shall pay all costs, including attorneys' fees and collection agency fees, incurred by PCL in connection with any collection efforts.

13. **Agreement Modification**

Changes, modifications or amendments to the terms of this agreement will be effective only when they are executed by authorized representatives of PCL and client. Subsequent orders for additional services will not require a written agreement.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL shall perform services for the benefit of Client only. Client is not a beneficiary to this agreement, and there is no third party beneficiary or beneficiaries to this agreement. Client represents, warrants, and agrees that any reports, information and reports are for exclusive use of Client and may not be used, in whole or in part, or as part of the use of any law, ordinance, or governmental agency, or any other person or entity, for any purpose whatsoever without the express written consent of PCL. Client agrees to indemnify and hold harmless PCL against any and all claims, damages, losses, and expenses, including attorneys' fees and costs, arising out of or resulting from any such use, reuse, or modification.

15. **Rush Analysis**

Rush analysis will be done by mutual prior arrange as it must be scheduled accordingly. 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 missed because of samples that are improperly received or after date or procedure instruction notification and acceptance. Standard holding times and storage conditions should be followed prior to any sample being received by PCL. Any of holding times can be changed at the Client's request. All analyses with holding times of 15 days or less - samples must arrive at laboratory within 48 hours of collection. All short holding times (i.e. 7 days or less) must arrive at the lab within 24 hours before expiration of those short holding times. Unless otherwise noted, all samples will be held for 45 days after analysis is complete. Samples received with insufficient holding times will be analyzed as soon as possible, however, PCL cannot guarantee that these samples will meet holding times. All holding times are in effect as of the publication date of this schedule and are subject to change without notice.

17. **Sample Retention**

All samples are retained for at least forty (40) days after which time they are disposed of unless prior arrangements are made for longer periods of time upon request only. Any storage of long term storage is subject to an additional charge. Samples will be disposed of in the most cost effective and ecologically responsible manner.

18. **Sample Pick Up/Field Tech Sampling**

All pick up charges have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays causing 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

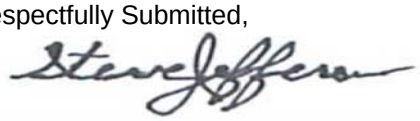
Attention: Ric Vardel
Report Date: 09-Sep-19 10:03
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0109-01) Collected: 05-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90616	0.1	05-Sep-19 (JC)	6.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90615	0.05	06-Sep-19 (JC)	0.21 mg/l	
Fecal Coliforms	SM 9221E	AI90511	1.8	07-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90511	1.8	07-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/9/2019
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.#: 190109

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	09/05/19	0855	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.82
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/05/19	
Received by	Elo Evans	pcl	9.5.19	1320
Relinquished by	Elo Evans	pcl	9.5.19	1430
Received by				
Relinquished by				
Received in lab by		Jaime Padilla	9/5/19	14:3

Sample Received Checklist

Temperature upon receipt: 4 oc

# 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-Sep-19 10:17
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0144-01) Collected: 06-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI90705	0.1	06-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90704	0.05	07-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90612	1.8	08-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90612	1.8	08-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/9/2019
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.#: 19I0144

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/06/19	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54/16.9°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3Pac)	09/06/19	12:50
Received by		[illegible]	9/6/19	12:50
Relinquished by		[illegible]	9/6/19	14:25
Received by				
Relinquished by				
Received in lab by			9/6/19	14:25

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
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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. 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 contrary 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), CA Waterboard (ELAP), 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 of 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 hereon, 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was exercised. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client shall and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and resultant expenses including, but not limited to all costs fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of users and defendants arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 the like 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 analyses such as asbestos, polychlorinated biphenyls, hazwaste 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

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

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be 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 acquiring services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or in part of, the 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 contracting 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 3pm 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 analytes 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

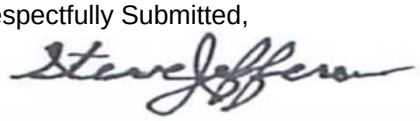
Attention: Ric Vardel
Report Date: 23-Sep-19 13:51
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0157-01) Collected: 07-Sep-19 By Ric Vardel						
pH	SM4500-H-B	AI90813	0.1	07-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90814	0.05	08-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90703	1.8	09-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90703	1.8	09-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#:

(MOC) Daily EFF

Customer: IPC, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project:
Sampled by: Ric VARDEL
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	9/7	0950	1	pH, T, Res Chlorine	Grab	AQ	500 P	4°C	
"	9/7	0950	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IPC)	9/7	1600
Received by		RM (PCL)	9/7/17	1730
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

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

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

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

Rev 2 Effective 9/1/17

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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

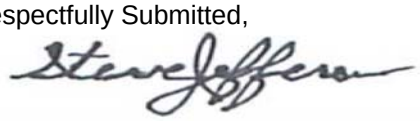
Attention: Ric Vardel
Report Date: 23-Sep-19 13:57
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0163-01) Collected: 08-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI90922	0.1	08-Sep-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI90930	0.05	09-Sep-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90812	1.8	10-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90812	1.8	10-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19I0163

Customer: IPC, Inc.
Address: 9297 Research Drive Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: VICTOR ARIKFAN
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	9-8-19	09:18	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD
Logcode: IP
Glob

Print Name (Company)	Date	Time
VICTOR ARIKFAN (IPC)	9-8-19	09:18
RM (PCL)	9/8/19	1440
Victor Corkery	9/5/19	1643

Received by
Relinquished by
Received in lab by

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	

Rev 2 Effective 5/1

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

Pat-Chem Laboratories (PCL) Terms and

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendum or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 hereinafter) 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. 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 contrary 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), CA Waterboard (ELAP), 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 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 its obligations pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Client and the sample materials provided hereunder or at Client's request and the results and information PCL has. In the event confidence further such information is generally available to the public or is in the public domain or Client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement hereunder, or is otherwise required by law or legal process, PCL shall 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. Client acknowledges that the PCL reports and information provided hereunder are for the exclusive use and benefit of Client and its agent. Unless there shall be no third party beneficiaries to reports, data and information. Client will not disclose to any third party any information concerning technique or method, software, programs or other processes.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further this indemnity shall specifically apply to losses, claims damages, settling of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 an 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 necessary for analyses 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.

Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of order. Unless during the services were rendered or such prices were later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon delivery may be required for all new clients. Payment is due within [illegible] days from date of invoice. Invoices not paid within [illegible] days from date of invoice shall bear interest at the rate of [illegible] per month. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of all sums due from client. In the event that any payment is not received by PCL when due, PCL may, at its option, suspend performance of all services for client until all sums due PCL are paid in full. Client shall pay all taxes (other than taxes based on PCL's net income) relating to the services provided by PCL hereunder. Unless otherwise agreed to by PCL, all amounts are payable in U.S. dollars. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of all sums due from client. In the event that any payment is not received by PCL when due, PCL may, at its option, suspend performance of all services for client until all sums due PCL are paid in full. Client shall pay all taxes (other than taxes based on PCL's net income) relating to the services provided by PCL hereunder. Unless otherwise agreed to by PCL, all amounts are payable in U.S. dollars. To avoid penalty, the [illegible] must be received by PCL by the [illegible] day following the date of invoice

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: 23-Sep-19 14:00
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0174-01) Collected: 09-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI91144	0.1	09-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91018	0.05	10-Sep-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI90936	1.8	11-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI90936	1.8	11-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/23/2019
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.#: 19I0174

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	09/09/19	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42 / 17.2°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	09/09/19	12:00
Received by		Francisco Olmos (Pat-Chem)	9/9/19	12:00
Relinquished by		Francisco Olmos (Pat-Chem)	9/9/19	14:10
Received by				
Relinquished by				
Received in lab by		Saira Parada	9/9/19	14:10

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendums or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assignees and representatives. "Price Schedule" means the 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 hereinbelow) under the following General 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 modification 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 form to PCL. Any both of the above-listed is an acceptance by the client of PCL's offer to do business with the client under the terms and condition and / or 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 agreement to be governed by these terms and conditions. No verbal 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 services 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), CA Waterboard (CLWP), 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 composition of the sample 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 our 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 results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any provision contained herein. In the process, PCL may use the name and location of client's site for charting or own confidential data and shall not be responsible for unauthorized disclosure of said data, unless such disclosure is caused by PCL's reports and information provided hereunder are for the exclusive use and benefit of client and PCL agrees it will not be to third party beneficiaries of any reports, data or information. Client will not disclose to any third party any proprietary or confidential information which is software programs or other information.

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 liabilities, losses, damages, claims, demands, causes of action, suits and proceedings (including, but not limited to, attorneys' fees and litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way relating to client's activity, project, or in connection with the performance of services by PCL pursuant to this agreement and/or pursuant from handling or disposal of any hazardous materials, including, without limitation, (a) loss of or damage to property and/or (b) personal injury or death of any person. This indemnity does not apply to any of the foregoing losses, liabilities, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not apply to any claims, damages, and/or losses arising out of every kind and nature for arising out of or in connection with the negligence or the result of conduct by any unidentified person, who enter, or allegedly to the performance of services under this agreement. The foregoing indemnification will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by client's liability insurance coverage to be furnished by client, which coverage shall be maintained in full force and effect during the term of this agreement and PCL be named as a co-insured under such policy. In no event shall PCL be liable to client for indirect, incidental, special, consequential, punitive or exemplary damages (including, without limitation, loss of profit or business interruption), whether based on breach of contract, tort (including negligence), strict liability or otherwise, even if PCL has been advised of the possibility of such damages (including, without limitation, loss of profit or business interruption). Litigation Expenses" as used herein shall mean all costs, expenses, attorney's fees, court costs, and the prejudgment interest, in connection therewith, including all appellate costs incurred by PCL or any other party in enforcing client's agreement to indemnify 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 all information for analysis such as asbestos, polychlorinated biphenyls (PCBs), or any other hazardous substances, materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations or ordinances or any other governing or regulatory authority or promulgated by any judicial or administrative proceedings, or any of the "Hazardous Materials"). Client understands and agrees that any hazardous materials 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 remaining 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 client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of client samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis for that any client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the Work the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time with out notice. Payment in advance or where analysis is commenced is required for all new clients or upon the establishment of credit limits. Clients who have been established with PCL for a minimum of 6 months and have an open account, the terms for payment of invoices are net 30 days from date of invoice. To the fullest extent permitted by law and applicable law, any amount unpaid on the end of thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amount paid with such collection procedure or effort.

13. Agreement Modification

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

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 securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender, or the participation in or contracting 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 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, 3-7 days, samples must arrive at the lab within 24 hours before expiration to allow what the following dates can be met. Short Holding Times of 24 hours or less (pursuant to 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late deliveries, 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. Samples stored for longer periods by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of 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 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: 23-Sep-19 14:03
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0199-01) Collected: 10-Sep-19 By Golan Kfir						
pH	SM4500-H-B	AI91144	0.1	11-Sep-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91018	0.05	10-Sep-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91020	1.8	12-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91020	1.8	12-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19I0199

Customer: ~~IPC, Inc.~~		Project : (MCC) Daily EFF	
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	9/10/19	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56/19.5°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/10/19	17:20
Received by:	[illegible] (Patchem)	9/10/19	12:20
Relinquished by:	[illegible] (Patchem)	9/10/19	14:45
Received by:			
Relinquished by:			
Received in lab by:	Jairo Parada	9/10/19	4:45

Sample Received Checklist

Temperature upon receipt: 4°

# 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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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 contrary 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), LA Watershed (LWP), 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 provision 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client may be required to disclose such information pursuant to law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software (programs) or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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, cost of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities are in addition to any liability which the client might otherwise have on PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to 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 analysis 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, directly 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 lab 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit are built up with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at 30 and 61 thirty (30) days is 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 balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collections processes or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be 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 securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the 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 contracting 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 3pm 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 analytes 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, 7 days, samples must arrive at the lab within 24 hours before expiration to insure 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.

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PAT-CHEM
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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
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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

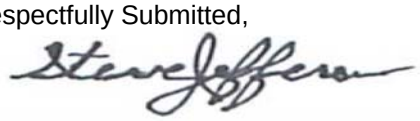
Attention: Ric Vardel
Report Date: 18-Sep-19 12:52
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0224-01) Collected: 10-Sep-19 By c. A.						
Biochemical Oxygen Demand	SM 5210B	AI91209	2	17-Sep-19 (REM)	433 mg/l	
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	231 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/18/2019
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.#: 19I0224

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
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
INF	09/10/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
"	"	"	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/11/19	12:15
Received by		Armando Olmos (Patchem)	9/11/19	12:15
Relinquished by		Armando Olmos (Patchem)	9/11/19	14:30
Received by				
Relinquished by				
Received in lab by		Jairo Parada	9/11/19	14:30

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services, 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 reissued 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 (or deliveries of goods) only under the following General 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 modification 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiating consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary 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), CA Waterboard (CLAP), 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 of 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 results obtained by PCL shall be held in confidence unless such information is generally available to the public or the public domain or client has filed lawsuit PCL for an intentional misconduct or deliberate or breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standards of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was followed. PCL reports and information provided thereto are for the exclusive use and benefit of client and not for anyone else. Those shall bring third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information or know how technical information, software programs or other intellectual

10. Hold Harmless

Client agrees and shall at all times indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent corporations and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees and litigation expenses, paid or awarded or sustained by client or any third party as a result of, and/or in any way resulting, incident to arising out of, or in connection with the performance of services by PCL pursuant to the agreement and/or the transportation, handling, or disposal of client's hazardous materials, 1. if any, greater in scope or amount or 2. use of, damage to, loss of, or loss of use of property and/or 3. the existence of injury to a person. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client's claims, demands, actions of every kind and character, brought against PCL or its employees by any of client's employees, agents, or subcontractors arising out of or in connection with or as a result of services provided by the aforementioned persons, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which client may have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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, attorneys 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 persons 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 where client will provide and PCL will receive samples materials for analysis such as soils, soils contaminated hydrocarbons, 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, 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 analysis for Hazardous Client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of application or the date the services were rendered or work order signed and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance is required unless credit application has been submitted with PCL for those clients with an established credit account, the terms for payment of invoices are NET OA or within thirty (30) days from date of invoice. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is 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 unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and the client. Client does not maintain, except that subsequent orders for additional services may be 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 securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 in whole or in connection with or as part of, the purchase, sale, underwriting, securitization of any securities, any pension, or other recipient 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 as or contracting 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 advance. 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 5pm 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 (Ozone) is to be met must be delivered that same day or prior 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 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: 23-Sep-19 14:05
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0226-01) Collected: 11-Sep-19 By C.A.						
pH	SM4500-H-B	AI91154	0.1	11-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91155	0.05	11-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91143	1.8	13-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91143	1.8	13-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/23/2019
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.#: 19I0226

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/11/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54 / 15.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	9/11/19	12:15
Received by	Fernando Olmos (Pat-Chem)	9/11/19	12:15
Relinquished by	Fernando Olmos (Pat-Chem)	9/11/19	14:30
Received by			
Relinquished by			
Received in lab by	Jaime Parada	9/11/19	14:30

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto, which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, including or excluding services and his, her, its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule or such document may be amended or reissued 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 Work Authority (WO) to PCL. Any such order constitutes Client's acceptance by the client of PCL's offer to do business with the client under the terms and conditions and Client's 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 consent to be governed by these terms and conditions. No oral terms or additional terms and conditions expressed in a client's document shall be deemed to become a part of this contract unless PCL shall expressly agree to the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including preparation 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 (CLRP), 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 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's Standard Operating Procedures (SOP) and/or the EPA/DOC 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 greatest amount for such 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

Client and the sample owner (if not client) or its client's consent and the results obtained by PCL shall be held in confidence unless such information is publicly available, or available or in the public domain or client has filed a duly PCL for all services rendered or in connection in breach of the agreement), subject to any disclosure required by law or legal process. PCL employs the same standard of care to user, retain, and disclose its own confidential data and shall not be responsible for unauthorized disclosure of or use of data within such standard unless proved. PCL reports and information generated shall be the exclusive use and benefit of client and client agrees that shall be no publication by client of such reports, data or information. Client will not disclose, copy, modify, sell, or otherwise transfer any PCL information, software or proprietary information.

10. Hold Harmless

Client agrees to, and does hereby indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and expenses and reasonable attorneys' fees and costs arising in favor of client or any third party as a result of, and/or in any way resulting from or arising out of, or in connection with the performance of services by PCL pursuant hereto, regardless of any negligence of PCL, its employees, agents, or subcontractors, except to the extent that such liability, loss, damage, cost, expense or claim is caused by the gross negligence or willful misconduct of PCL or its employees. Further, client agrees to indemnify, defend and hold harmless PCL against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses of any kind and character brought by or on behalf of client or any third party, including but not limited to attorneys' fees and costs, arising out of, or in connection with, the negligence or willful misconduct of client, its employees, agents, or subcontractors in the performance of services covered by this agreement. The foregoing indemnities will be in addition to any remedy which PCL may have at law, in equity and by statute or otherwise. To the extent necessary under applicable law, client agrees that 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, consequential expenses or losses) resulting from any breach of this agreement or any negligent act or omission, including PCL's own negligence, whether or not PCL has been advised of the possibility of such damages by client or any third party. In any event, PCL's liability to client or any third party for any claim, loss or damage arising out of or relating to this agreement or services provided under this agreement shall not exceed the price paid by client.

11. Hazardous Substances

For PCL to perform the tests as requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, acid/chemical chemicals, bacteria or any other biological or toxic materials, wastes and substances which are deemed, determined or identified as such under federal, state or local laws. Using PCL personnel, equipment or other than existing or new client specific or project approved or any vehicle or transportation of any kind of any of the foregoing. Client represents and warrants that any such materials provided to PCL shall remain the property of client and client's employees of PCL's services, and will dispose of all unused portions of samples as instructed by client or by PCL's DHSC 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 bulk analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our DHSC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's published price schedule in effect at the time of acceptance of the order for the services and/or delivery of the goods ordered and then confirmed in writing. The price schedule is subject to change at any time without notice. Payment shall be due in full unless otherwise agreed to in writing by PCL. An account shall be opened only upon receipt of required additional credit information and approval thereof by PCL. For those clients with an established credit account, the terms for payment of charges are NET 30th days from date of invoice. To the fullest extent permitted by law, PCL reserves the right to charge 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 any of amounts are collected through legal proceedings or attorney, the client shall pay reasonable costs, and attorney's fees, or agent. Any additional costs or expenses associated or incurred.

13. Agreement Modification

No change, modification or amendment to the terms shall be effective or binding unless and until executed in writing by both authorized representatives. Except that subsequent orders for additional services may be 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 retaining services exclusively for client's own account, and not as agent or broker, or on any other representative capacity. No law, other provision or clause in any agreement acknowledges 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 such data, information and reports are not intended or shall be relied upon in connection with or as a result of the conclusion, sale, underwriting, or distribution of any securities, any portion or other reporting to the holders of any security, the securing, investment, renewal, or extension of any loan from any financial institution or other lender or the certification to or compliance with changes in statute, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL shall not be responsible for holding times that are exceeded because all samples that are received or analyzed after such holding times have expired. Standard holding times and storage conditions should be followed prior to any samples to be received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must be on site within hours (where PCL is open) to allow times without applying a rush surcharge. All tests holding times of 7 days, samples must arrive at the lab within 24 hours. Failure exceptions by make the holding time invalid or non-client holding. Should all tests or test that have a short holding times are met. Some holding time periods, or requirements always or unless clients are subject to unforeseen circumstances and/or the inability to meet holding times. All holding times are calculated as of the point and date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for 30 days after the test after analysis has been completed. Sample storage for longer periods is required with the changed long term storage is subject to an additional charge. Samples will be disposed of at the end of the 30 days or longer storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been waived on the fee schedule. Reasonable time has been allowed for each pick up or sampling, costs be assessed in addition to the

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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-Sep-19 13:01
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0227-01) Collected: 11-Sep-19 By C. A.						
Ammonia as N	EPA 350.1	AI91621	0.10	16-Sep-19 (SGS)	0.70 mg/l	
Nitrate as N	EPA 353.2	AI91139	0.02	11-Sep-19 (LA)	0.23 mg/l	
Nitrite as N	EPA 353.2	AI91139	0.02	11-Sep-19 (LA)	0.07 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI91208	0.10	13-Sep-19 (LA)	1.06 mg/l	
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	<1 mg/l	
EFF (Sample I.D.# : 19I0227-02) Collected: 10-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI91209	2	17-Sep-19 (REM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/18/2019
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.#: 19I0227

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
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	09/11/19	1130	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	09/10/19	0000	1	BOD	[redacted] Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/11/19	12:15
Received by		[illegible] (PatChem)	9/11/19	12:15
Relinquished by		[illegible] (PatChem)	9/11/19	14:30
Received by				
Relinquished by				
Received in lab by		Jaime Parra	9/11/19	14:30

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has request laboratory services, consulting or sampling services 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 its services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General 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 conform 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 Letter of Authority (LOA) to PCL. Any such order constitutes Client's acceptance of PCL's offer to do business with the Client under the terms and conditions and / or 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 contrary 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 industry. Where applicable, PCL will use accepted methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Department (LEAP), 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 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 our 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 that 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 to PCL Client's request and the reports released by PCL shall be held in confidence (unless such information is generally available to the public domain or otherwise filed to pay PCL for all services rendered or otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same due diligence in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information whilst samples are in transit. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and shall not be relied upon by any third party for any purpose without the express written consent of PCL. Client will not disclose to any third party without prior consent in writing, testing results, software programs or other information.

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 liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party, as a result of, and to the extent arising, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, including transportation, handling or disposal of client's hazardous materials, toxic, noxious or dangerous substances, loss of, damage to, loss of, or loss of use of property or injury to or the death of any and all persons that arise out of or are in any way connected with the performance of services by PCL hereunder, except to the extent such claims, damages or losses were solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity as set forth herein applies to Client's employees, as to any and every claim and cause for damages of every description which Client might otherwise have to PCL and the other indemnifying parties, to the extent claims are made under applicable law. Client agrees that its insurance coverage will be endorsed as available outside worldwide coverage to be furnished by Client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, special, punitive, consequential or exemplary damages including without limitation, loss of profits or business interruption, Litigation Expenses or other fees (including without limitation, attorney's fees, court costs, and/or pre-or post-judgment interest), in any circumstances or under any legal action against or involving PCL or any indemnified person in connection with this agreement or 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 analysis not to asbestos, asbestos, polychlorinated biphenyls, Battery 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, policies or regulations (whether now existing or hereafter enacted or promulgated by any political or governmental subdivision 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 lab 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

Charges for all work PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the Work Order. The services were rendered or such other period and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due in full upon receipt of invoice, unless otherwise agreed to by PCL in writing. Client shall make all payments required hereunder in connection with PCL's services to PCL's bank account. No claims by reason of charges are to be allowed unless duly made within thirty (30) days after the date of the invoice. Time is of the essence. In the event payment is not made by the due date, Client will pay interest on the unpaid balance, if allowed by law, at the rate of 1.5% per month or the highest rate allowed by law, whichever is less. In the event payment is not made by the due date, Client will pay all costs of collection, including reasonable attorneys' fees and court costs. Client shall be responsible for all taxes (other than taxes based on PCL's income) levied or imposed by any governmental authority on the transactions contemplated by this agreement, and Client will pay or reimburse PCL for such taxes upon demand by PCL. Client will pay reasonable costs and attorney's fees of PCL that are incurred with such collection procedure or otherwise.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by Client. Additional requirements, except those subsequent orders for additional services, may be waived or altered.

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 results furnished by PCL. Client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity 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 the best of, in connection with or as part of, the preparation, undertaking, or completion of or solicitation of bids or offers of or relating to the issuance of any securities, the passing, amendment, renewal, or extension of any loan from any financial institution or other person or entity or in connection with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advance. It is the responsibility of Client to know whether a sample is subject to a holding time and when it expires. Client shall notify PCL at least 24 hours in advance of the expiration of any holding time for which Client requires PCL to perform services. PCL shall not be responsible for any holding time for which Client does not provide such notice.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or received after PCL is closed (i.e. weekends, without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. Short holding times can be provided at the client's request. All analyses with holding times of 24 hours or less, samples must arrive within 16 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the laboratory 24 hours before expiration to ensure that the holding times can be met. Target Holding Times of 45 hours or less cannot be met. PCL is not responsible for delivery time delays or failure to deliver within the client. After hours and weekend, freight company delays or service 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. Per accepted long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling services been initiated 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 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: 18-Sep-19 12:47
Subject: (MCC) Weekly Process

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0228-01) Collected: 11-Sep-19 By C.A.						
Turbidity	SM 2130B	AI91203	0.1	12-Sep-19 (PL)	0.3 NTU	
UV254	SM 5910B	AI91205	0.5	12-Sep-19 (AV)	74.8 %Trans	
EQT (Sample I.D.# : 19I0228-02) Collected: 11-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI91209	2	17-Sep-19 (REM)	522 mg/l	
Chemical Oxygen Demand	SM 5220D	AI91321	5	13-Sep-19 (EG)	812 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI91208	2.50	13-Sep-19 (LA)	62.5 mg/l	
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	164 mg/l	
BR2-AB3 (Sample I.D.# : 19I0228-03) Collected: 11-Sep-19 By Carlos Alvarez						
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	8604 mg/l	
Volatile Suspended Solids	SM 2540E	AI91212	1	12-Sep-19 (EA)	7288 mg/l	
MBT (Sample I.D.# : 19I0228-04) Collected: 11-Sep-19 By carlos Alvarez						
Total Suspended Solids	SM 2540D	AI91211	1	12-Sep-19 (EA)	31360 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/18/2019
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.#: 19I0228

(MCC) Weekly Process

Customer: ~~IPC (Integrated Performance Consultants)~~

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	09/11/19	1130	1	Turbidity	Grab	AQ	250 P	4°C	
			1	UVT	Grab	AQ	1L P	HS	
EQT		1030	1	TKN	Grab	AQ	500 P	4°C	
			1	TSS	Grab	AQ	1L P	HS	
			1	BOD,COD	Grab	AQ	1L P	4°C	
~~BR2-AB3~~			1	TSS	Grab	AQ	1L P	4°C	
			1	VSS	Grab	AQ	1L P	4°C	
BR2-AB3	09/11/19	1030	1	TSS	Grab	AQ	1L P	4°C	
			1	VSS	Grab	AQ	1L P	4°C	
MBT			1	TSS	Grab	AQ	1L P	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/11/19	12:15
Received by		Alejandro Alves (Pat Chem)	9/11/19	12:15
Relinquished by		Alejandro Alves (Pat Chem)	9/11/19	14:30
Received by				
Relinquished by				
Received in lab by		Jaime Portillo	9/11/19	14:30

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 (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Governing Agreement

8. Force Majeure

9. Confidentiality

10. No IP Transfer

11. Hazardous Substances

12. Payment Terms

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Audit Access

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

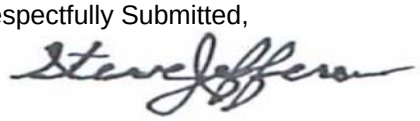
Attention: Ric Vardel
Report Date: 23-Sep-19 14:08
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0264-01) Collected: 12-Sep-19 By C.A.						
pH	SM4500-H-B	AI91312	0.1	12-Sep-19 (JC)	8.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91313	5.0	13-Sep-19 (JC)	84 mg/l	
Fecal Coliforms	SM 9221E	AI91206	1.8	16-Sep-19 (PL)	33.0 MPN/100 ml	
Total Coliforms	SM 9221B	AI91206	1.8	16-Sep-19 (PL)	170.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 191204

IPC, Inc.
(MCC) Daily EFF

Customer: 9297 Research Drive		Project :	
Address: 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	09/12/19	1340	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CRC)	09/12/19	
Received by	Carlos (CRC)	9.12.19	1400
Relinquished by	Carlos (CRC)	9.12.19	1500
Received by			
Relinquished by			
Received in lab by	Jaro Parra	9/12/19	15:00

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

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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 contrary 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), CA Waterboard (ELAP), 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, activities, programs or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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 use of, or loss of value in property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available 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 in other than (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 an 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 analyses 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

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

13. Agreement Modification

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

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 in securing services hereunder for his own account, and not as an agent or broker, or on any other representative capacity 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 relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any portfolio 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 contracting 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 3pm 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, 7-7 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: 23-Sep-19 14:11
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0299-01) Collected: 13-Sep-19 By gK						
pH	SM4500-H-B	AI91323	0.1	13-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91324	0.05	13-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91314	1.8	15-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91314	1.8	15-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/23/2019
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.#: MW#1 19I0290

Customer: BioSolutions
Address: 5310 Derry Ave Suite E
Agoura Hills CA 91301

Project: **3903 Carbon Canyon**
Sampled by: Cody McKenna
Report Attention: Steve Braband
P.O. #:
Phone #: 818-991-9997

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
Wastewater	9-13-19	9:18am	1	TSS	Grab	AQ	500P		
	↓	↓	1	BOD			1000P		
			1	Oil and Grease			1000G		
			1	Fecal Coliform			100coli		
			1	Enterococcus			100coli		
			*						
			*						
			*						
			*						
			*						

Signature	Print Name (Company)	Date	Time
Relinquished by	Cody McKenna	9-13-19	12:03
Received by	[illegible] (Pat-Chem)	9/13/19	12:03
Relinquished by	[illegible] (Pat-Chem)	9/13/19	14:30
Received by			
Relinquished by			
Received in lab by	[illegible]	9/13/19	14:31

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who/which engages laboratory services, including or samples, services and includes its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such documents may be amended or reissued 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 below) only under the following General Terms and Conditions (the "Terms"). These Terms shall govern 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. 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 consent to be governed by these terms and conditions. No additional or additional terms and conditions examined 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), 24 Watershield (ELAP), 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 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 hereon, 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain, or client has given PCL for all services rendered or in otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall 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 where such standard was observed. PCL reports and information provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs, or other formulations.

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, liens, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees, litigation expenses and court costs arising in favor of client or any third party as a result of, and/or in any way resulting, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, and/or from claims of Liability or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or use of use of property and/or 3. financial loss of every kind or character. This indemnification does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent not expressly under applicable law, Client agrees that all indemnity obligations 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, or in any event shall not be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profits, business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and pre and 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 an services provided under this agreement even if client or the laboratory have

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analysis such as asbestos, polychlorinated biphenyls, explosives or any other hazardous or toxic material, waste 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 clients request shall increase 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 analysis, Client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of performance (in the case the services were rendered or price quoted and later confirmed in writing). The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all clients. Clients with a history of payment problems and/or credit issues have been suspended with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is 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 unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable court and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client (although modifications, except that supplemental orders for additional services may be 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 services furnished by PCL. Client's copying services hereunder for its own account, and not as agent or broker, or in any other representative capacity 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, advice, opinion or reports. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or administration 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 in conjunction with grants or subsidies, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL assumes no responsibility for holding times that are exceeded because of samples that are received on weekends or after hours or evenings 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. For analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All other holding times, 3-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met upon receipt. Times of all hours or less shortening is the client must be advised immediately upon receipt, or exceptions holding times may not. Other times, late receipts, 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 disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time for travel allocated for each pick up or 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

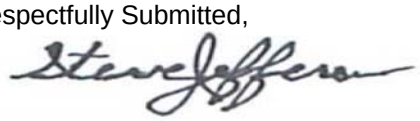
Attention: Ric Vardel
Report Date: 23-Sep-19 14:32
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0313-01) Collected: 14-Sep-19 By Joseph Clark						
pH	SM4500-H-B	AI91419	0.1	14-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91420	0.05	14-Sep-19 (JC)	0.09 mg/l	
Fecal Coliforms	SM 9221E	AI91418	1.8	16-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91418	1.8	16-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19I0313

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Joseph Clark	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	9/14/19	9:56	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joseph L. Clark	Joseph Clark (IPC)	9/14/19	0959
Received by: Jose L Gomez	Jose L Gomez	9/14/19	1035
Relinquished by: Jose L Gomez	Jose L Gomez	9/14/19	1138
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	9/14/19	11:38

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which have agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 General 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 constitutes Client acceptance by the client of PCL's offer to do business with the client under the terms and conditions and PCL 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 contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created by such 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), US Waterboard (ELAP), 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 authoritarians. 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 condition which the samples are collected and for conditions in and about the sampling site and for securing 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 samples materials provided by client to PCL shall be kept confidential unless such information is generally available to the public or in the public domain or otherwise lost to you. PCL or all services rendered or otherwise in breach of the agreement, subject to any provision required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of your data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and PCL's agreement shall be for third party beneficiary of such reports. Data in its reports or client will not disclose to any third party any proprietary, technical information, software programs or other confidentialities.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from any and all claims, demands, damages, costs, liabilities, losses, expenses, including, but not limited to, court costs, reasonable attorneys' and experts' fees of any kind or nature whatsoever (collectively "Claims") asserted by any third party as a result of, relating to, or arising out of or in connection with the performance of services by PCL pursuant to this agreement and the transportation, handling or disposal of client's hazardous materials. This release shall apply to all Claims for personal injury or death of persons or damage to property of persons of any kind or nature. This indemnity shall not apply to any of the foregoing losses, liabilities, damages or attorneys' fees directly to the extent they were willfully misconduct of PCL or its employees). Further, the indemnity shall specifically apply to Claims, damages, actions of every kind and nature, brought against PCL in connection with the negligence of its agents, employees or any authorized person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability of client to PCL and/or any other claims or rights of PCL 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 maintained 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, consequential or incidental damages including without limitation, loss of profit or business interruption, however caused or under any theory of liability, including without limitation, attorney's fees, court costs, costs of 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 any 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 inform us and PCL will receive samples, materials or wastes such as asbestos, polychlorinated biphenyls, Bacteria 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, PCL policies or regulations. Whether now existing or hereafter amended 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, or on behalf of, client's property 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 lab 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or such assurance of payment as PCL deems required may be a condition of PCL's performance. Unless credit has been established with PCL or Client's client with an established credit account, the terms of payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted at all by applicable law, any amount unpaid at the end of thirty (30) days is 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 balances. If unpaid amounts are collected through an attorney or by an attorney, the client shall pay reasonable costs and attorney's fees or agents fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an authorized and by client's authorized representative. Except that subsequent orders for additional services may be 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 acquiring services from PCL for its own account, and not as agent or broker, or in any other representative capacity for another 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 mislead upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other source of the classification or categorizing 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 advance. 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 3pm 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 24 hours or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 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 (Coliform) 6 hours must be delivered at same day in order to guarantee holding times are met. After hours, late deliveries, 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 noted 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: 23-Sep-19 14:34
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0320-01) Collected: 15-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI91615	0.1	15-Sep-19 (PL)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91616	0.05	16-Sep-19 (PL)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AI91515	1.8	17-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91515	1.8	17-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19I0320

Customer: ~~IPC, Inc.~~		**Project :** ~~(MCC) Daily EFF~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:** VICTOR ARIKIAN	**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	9/15/19	09:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	9/15/19	09:52
Received by		RM (PCL)	9/15/19	1110
Relinquished by		RM (PCL)	9/15/19	1320
Received by				
Relinquished by				
Received in lab by		RM (PCL)	9/15/19	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
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: 23-Sep-19 14:35
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0335-01) Collected: 16-Sep-19 By C. A.						
pH	SM4500-H-B	AI91717	0.1	16-Sep-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91718	0.05	17-Sep-19 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91633	1.8	18-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91633	1.8	18-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19I0335

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. Alvarez	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	09/16/19	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.46 / 14.3°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (Carl)	09/16/19	12:10
Received by	Armando Olmos (PatChem)	9/16/19	12:10
Relinquished by	Armando Olmos (PatChem)	9/16/19	15:10
Received by			
Relinquished by			
Received in lab by	Jairo Ramirez	9/16/19	15:10

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including in sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or collection of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary 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 this profession. Where applicable, PCL will use established methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), 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 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 (SOPs) 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 perform the sampling, the client shall be responsible for the condition when 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain) or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement), subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data unless such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Clients shall not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client (indemnitor) shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, actual damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way directly 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 characterized materials, 1. injury, disease or death of persons 2. loss of, damage to, use of, or loss of use of property and or 3. Environmental fines of every kind or character. This indemnity does not apply to any of the foregoing costs, claims, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or of breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any subsidy which the others might otherwise have in PCL and the other indemnified Persons. To the extent not held under applicable law, client agrees that its indemnity obligation will be supported by available 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 for 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 any 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 analyses such as asbestos, petrochlorinated hydrocarbons, 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 EH&SC 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 EH&SC policies and procedures.

12. Prices/Payments

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

13. Agreement Modification

Changes, modifications or amendments to these terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be 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 using services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any private or other placement of securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or instrumentality.

15. Rush Analysis

Rush services 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 3pm 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 incurring such surcharge. For 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) or 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 outlined 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

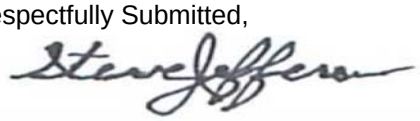
Attention: Ric Vardel
Report Date: 23-Sep-19 14:40
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0369-01) Collected: 17-Sep-19 By C. A.						
pH	SM4500-H-B	AI91830	0.1	17-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91829	0.05	18-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91732	1.8	19-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91732	1.8	19-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19I0364

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/17/19	0940	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PC)	09/17/19	
Received by	Eric Ward PC	9.17.19	1250
Relinquished by	Eric Ward PC	9.17.19	1400
Received by			
Relinquished by			
Received in lab by	Jane Reed	9/17/19	14:00

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendum or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL)'s standard price schedule as such document may be amended or reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound to 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 contrary 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), CA Waterboard (LUFT), 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other administrations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, process of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual as alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 the 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 an 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 analyses such as: asbestos, polychlorinated biphenyls, bacteria or also 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 (weather 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

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

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be 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 securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting 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 3pm 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 insure that the holding times can be met. Short Holding Times of 48 hours or less (pH 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

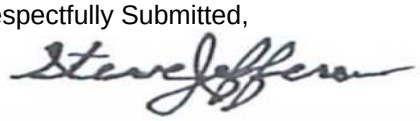
Attention: Ric Vardel
Report Date: 30-Sep-19 16:03
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0410-01) Collected: 17-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI91909	2	24-Sep-19 (REM)	437 mg/l	
Total Suspended Solids	SM 2540D	AI91907	1	19-Sep-19 (SGS)	191 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
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.#: 19I0410

Customer: ~~IPC, Inc.~~		Project : ~~(MCC) Weekly INF~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		Sampled by: C. D.	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	09/17/19	0000	1	TSS	~~Grab~~ Comp	AQ	1L P	4°C	
1	1	1	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	09/18/19	
Received by	Elo	Emb IPC	9-18-19	1250
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARCO SANTIESTEBAN (PCL)	9/18/19	1547

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.

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

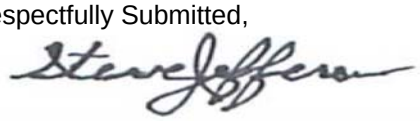
Attention: Ric Vardel
Report Date: 23-Sep-19 15:02
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0403-01) Collected: 18-Sep-19 By C. A.						
pH	SM4500-H-B	AI91912	0.1	18-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI91911	0.05	19-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91828	1.8	20-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91828	1.8	20-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: AI0403

Customer: IPC, Inc.		**Project :** ~~(MCC) Daily EFF~~	
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	09/18/19	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/18/19	
Received by	EC	Carlos	9.18.19	PCI
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCC)	9/18/19	1532

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

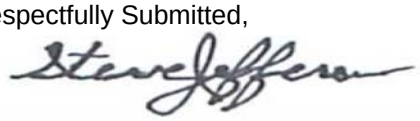
Attention: Ric Vardel
Report Date: 30-Sep-19 16:01
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0411-01) Collected: 18-Sep-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AI92011	0.10	20-Sep-19 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AI91909	2	24-Sep-19 (SJ)	<2 mg/l	
Nitrate as N	EPA 353.2	AI91916	0.20	19-Sep-19 (LA)	1.80 mg/l	
Nitrite as N	EPA 353.2	AI91916	0.20	19-Sep-19 (LA)	0.45 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI91915	0.10	20-Sep-19 (LA)	1.40 mg/l	
Total Suspended Solids	SM 2540D	AI91907	1	19-Sep-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
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.#: 19T0411

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: C. D.	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	09/18/19	1110	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Arturo (IPC)	09/18/19	
Received by	EE	Carlos	9/18/19	1250
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	9/18/19	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	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.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
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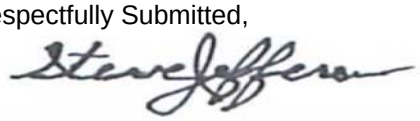
Attention: Ric Vardel
Report Date: 23-Sep-19 15:06
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0440-01) Collected: 19-Sep-19 By C. A.						
pH	SM4500-H-B	AI92013	0.1	19-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92012	0.05	20-Sep-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI91913	1.8	21-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI91913	1.8	21-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 19IO440

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
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	09/19/19	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42 / 18.5°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	09/19/19	12:05
Received by	Armando Olmos (PCL)	9/19/19	12:05
Relinquished by	Armando Olmos (PCL)	9/19/19	13:15
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	9/19/19	1315

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

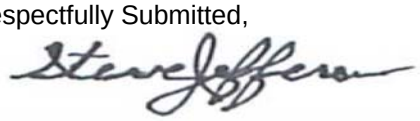
Attention: Ric Vardel
Report Date: 23-Sep-19 15:07
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0476-01) Collected: 20-Sep-19 By C. A.						
pH	SM4500-H-B	AI92119	0.1	20-Sep-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92121	0.05	21-Sep-19 (JC)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AI92017	1.8	22-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92017	1.8	22-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: 1950476

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/20/19	1357	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.34/26.1°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	09/20	14:02
Received by	Hemyung Ochoa (Patchem)	9/20/19	14:07
Relinquished by	Hemyung Ochoa (Patchem)	9/20/19	16:15
Received by			
Relinquished by			
Received in lab by	Jairo Parra	9/20/19	16:15

Sample Received Checklist

Temperature upon receipt: 4°

# 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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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 contrary 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 (ELAP), 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 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 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or the public domain or client has filed to pay PCL for all services rendered or otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information or even mention its final data results, software programs 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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring 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, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by suitable 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 for 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 as 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 analysis such as asbestos, polychlorinated biphenyl, bacteria or any other hazardous or toxic material, wastes and substances which is 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

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

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be 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 securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting 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 3pm 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. For short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure 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: 23-Sep-19 15:10
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0481-01) Collected: 21-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92124	0.1	21-Sep-19 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92121	0.05	21-Sep-19 (JC)	0.32 mg/l	
Fecal Coliforms	SM 9221E	AI92118	1.8	23-Sep-19 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92118	1.8	23-Sep-19 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/23/2019
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.#: RJ0481

Customer: IPC, Inc.	**Project :** (MCC) Daily EFF
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	09/21/19	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SEC)	09/21/19	1045
Received by	Jose L Gomez	9/21/19	1115
Relinquished by	Jose L Gomez	9/21/19	1225
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	9/21/19	12:25

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	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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including sampling services 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 General 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 constitutes Client's acceptance by the Client of PCL's offer to do business with the Client under the Terms and constitutes and is 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 contrary 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), CA Waterboard (ELAP), 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 perforins the sampling, the client shall be responsible for the condition while 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 not. Any exceptions to 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 samples materials provided to client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or to the public domain or client has filed to give PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure is caused by PCL's gross negligence or willful misconduct. PCL reserves the right to use information provided thereby and for the exclusive use and benefit of Client and PCL agrees that it shall not sell, trade or otherwise transfer to any third party any information concerning technical information, software, processes or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (including Experts and Lawyers) arising in favor of Client or any third party as a result of, or arising in any way a claiming incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except to the extent the handling or disposal of client's hazardous materials, (1) more than one of death of persons 2. Loss of, damage to, or use of, or loss of use of property and (3) injury to physical property of PCL or its employees. Further, this indemnity does not apply to any of the foregoing losses, costs, damages, or property caused solely by the gross negligence or willful misconduct

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

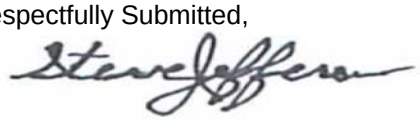
Attention: Ric Vardel
Report Date: 26-Sep-19 16:56
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0486-01) Collected: 22-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92533	0.1	22-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92329	0.05	23-Sep-19 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AI92214	1.8	24-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92214	1.8	24-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/26/2019
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.#: 19I0486-01

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	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	9-22-19	10:06	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN	9-22-19	10:09
Received by	RM (PCL)	9/22/19	1340
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM (PCL)	9/22/19	1620

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. 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 contrary 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), LA Water Board (LAAP), 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 provision 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own such data for data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and any court expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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, illness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or monies caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available 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 analyses 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

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

13. Agreement Modification

Changes, modifications or amendments to the terms that be effective on in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be 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 in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of, the 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 contracting 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 3pm 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

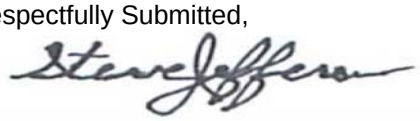
Attention: Ric Vardel
Report Date: 30-Sep-19 15:32
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0511-01) Collected: 23-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92533	0.1	23-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92418	0.05	24-Sep-19 (PL)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AI92328	1.8	25-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92328	1.8	25-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
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.#: 190511

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Alvarez	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	09/23/19	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/20.4°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	09/23/19	14:10
Received by	Hemisundo Amos (Patchem)	9/23/19	14:10
Relinquished by	Hemisundo Amos (Patchem)	9/23/19	16:30
Received by			
Relinquished by			
Received in lab by	Jaime Patzan	9/23/19	16:30

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

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9. Confidentiality

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL the want 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. financial loss of every kind of character. This indemnification shall not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the event's negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to seven claims, damages, actions of every kind and character arising out of and in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available 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 not 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 or 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of quotations or the time the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or "credit analysis" is required for all new clients or clients having a history of payment which is not as agreed. Has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or will be applicable law, any amount unpaid on this and or thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or "collection" fees associated with such collection procedure or efforts.

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Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be 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 retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 and represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as a part of the purchase, sale, underwriting, or distribution of securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting 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 3pm 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 72 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 15 hours or less (bacteria is 6 hours) must be delivered that same day in order to give enough 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 allotted for each pick up or 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

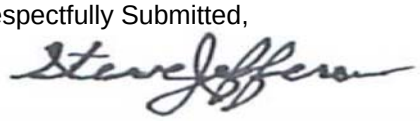
Attention: Ric Vardel
Report Date: 30-Sep-19 15:38
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0538-01) Collected: 24-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92533	0.1	24-Sep-19 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92534	0.05	25-Sep-19 (JC)	0.10 mg/l	
Fecal Coliforms	SM 9221E	AI92436	1.8	26-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92436	1.8	26-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
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.#: 19I0538

Customer: ~~IPC, Inc.~~		**Project :** ~~(MCC) Daily EFF~~	
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	09/24/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39 / 22.7°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	09/24/19	13:00
Received by		Hernando Cervas (PatChem)	9/24/19	13:00
Relinquished by		Hernando Cervas (PatChem)	9/24/19	16:20
Received by				
Relinquished by				
Received in lab by		Jake Parada	9/24/19	16:20

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

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The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and conditions and 2. 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 contrary 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), CA Waterboard (LLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examinations of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from some 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 stipulated 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 perform 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 safety 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 in connection with the results delivered by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered. Any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be required to be or unauthorized disclosure of such data. All data and standard work product PCL reports and information generated thereunder are for the exclusive use and benefit of client and client agrees that it shall not to third party beneficiaries of such reports, data or information. Client will not disclose to any third party any software or computer mining technology information, software or processing of the information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and investigations (governmental or otherwise), including, but not limited to, all court fees, fines, litigation expenses and attorneys' fees and expenses arising in favor of Client or any third party to a contract, and/or in any way resulting from or arising out of, or in connection with the performance of services by PCL and each of their agents, employees, representatives, handling of the sample or other chemicals or materials. Client agrees that in the event of breach of warranty, breach of contract or tort by PCL, or its employees, Client's exclusive remedy shall be limited to the re-performance of the services by PCL or its employees. Except as otherwise provided, PCL shall not be responsible for any acts or omissions of any contractor, agent or employee of Client, whether actual or alleged, in the performance of services under this agreement. The foregoing shall be in addition to any liability which the client might otherwise have to PCL 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, even if PCL has been advised of the possibility of such damages. Client shall not be entitled to recover from PCL any amounts in excess of the amounts paid by client to PCL under this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples that may be analytes such as chemicals, environmental pollutants, hazardous or toxic substances, or chemicals, materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, regulations, ordinances, permits now existing or hereafter enacted or promulgated by any judicial or administrative agency or body (collectively "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client shall remain property of client and 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 lab 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or at the time the services were rendered or was previously quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or under a form of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30 DAYS unless stated otherwise in writing. To the fullest extent permitted by law, all fees are due and payable, per amount subject to the original invoice, 30 days 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 unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

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

14. No Third Party Beneficiaries; No Right of Reliance

PCL does have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, is not an agent or broker, or in any other representative capacity 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 relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any person, or other securities or 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 contracting 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 advance. 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 3pm 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 (Nitrate) must be delivered the same day in order to guarantee holding times are met. After hours, late deliveries, 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 noted 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 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

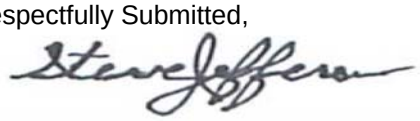
Attention: Ric Vardel
Report Date: 01-Oct-19 14:24
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 19I0578-01) Collected: 24-Sep-19 By Carlos Alvarez						
Biochemical Oxygen Demand	SM 5210B	AI92609	2	01-Oct-19 (REM)	426 mg/l	
Total Suspended Solids	SM 2540D	AI92611	1	26-Sep-19 (EA)	314 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2019
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.#: 1910578

Customer: IPC, Inc.	Project : (MCC) Weekly INF
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C. Ch
	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	09/24/19	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	
	1	1	1	BOD	~~Grab~~ Composite	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch	Carlos Alvarez	9/25/19	13:25
Received by		Armando Olmos (Patchem)	9/25/19	13:25
Relinquished by		Armando Olmos (Patchem)	9/25/19	16:00
Received by				
Relinquished by				
Received in lab by		Jaime Parada	9/25/19	16:20

Sample Received Checklist

Temperature upon receipt: 40c

# 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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 (and other items) only upon the following General 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 constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and condition and is an agreement by the client to these terms and conditions. The Client's delivery of samples to PCL or initiating consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary 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 sound methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Waterboard (USAF), 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 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 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 over 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 results obtained by PCL shall be held in confidence unless such data or results is otherwise available to the public or is the prior property of client but PCL has to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or court process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of client's data which such standard was followed. PCL reports and information provided shall be for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiaries of PCL's reports, data or information. Client will not disclose to any third party any information, drawings, technical information, software, procedures or other techniques.

10. Hold Harmless

Client releases and does hold harmless, defend and indemnify PCL, its employees, officers, directors, agents, affiliates, contractors and their successors from and against any and all claims, demands, causes of action, damages, losses, deficiencies, liabilities, costs and expenses (including reasonable attorneys' fees) and amounts paid in settlement of any claims (collectively, "Losses") asserted against, imposed upon or incurred by PCL or any of its employees, officers, directors, agents, affiliates, contractors and their successors, arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transactions involving or disposal of client's hazardous materials, E. coli, Biohazard, or Bacillus of particular concern, damages to any property or loss of use of property and/or E. Coli or physical loss of every kind of character. This indemnity does not apply to any of the foregoing Losses (such damages excluding consequential, incidental or consequential damages including without limitation, loss of profit or business interruption) to the extent they are caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity does not apply to claims asserted against PCL by client or by any of client's affiliates, officers, directors, agents, employees or representatives. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be maintained by client, which insurance shall be in the minimum amounts prescribed under applicable law. In the event that PCL is made a party to any litigation, arbitration or proceeding which arises out of or is in any way connected with the performance of services by PCL hereunder or any other agreement to which client is a party, client shall reimburse PCL for all costs and expenses (including attorneys' fees) incurred by PCL in such litigation, arbitration or proceeding. Client shall not settle any claim against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement without PCL's prior written consent.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples of materials for analysis such as asbestos, polychlorinated biphenyls, hazardous or regulated waste, or toxic chemicals, natures 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 Substances"). Client acknowledges 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 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 microbiological analysis (Coli) will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the date of acceptance or the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are 30 ("Days") days from date of invoices. To the fullest extent permitted by law, all or any portion of an unpaid amount not paid within thirty (30) days is subject to interest at the rate of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are obtained through legal proceedings (e.g. by an attorney), the client or payor agrees to pay reasonable costs and attorney's fees or assists from associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an authorized officer of PCL. Additional services may be added in an addendum.

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 retaining services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or party. 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 intended, or shall not be used to solicitations, in connection with or as part of, the purchase, sale, underwriting, or solicitation of securities, any persons, or other recipients of the foregoing securities, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the application to or contracting with, directly or indirectly, any governmental agency or instrumentality.

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

PCL cannot be responsible for holding times that are expired because of samples that are received on weekends or after 5pm 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 analytes with holding times of 14 days or less (except nitrate and nitrite) 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, nitrates 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 on the 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 disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable Note has been allocated for each pick up or 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

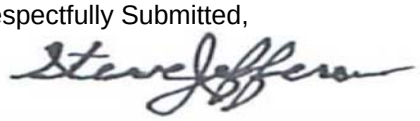
Attention: Ric Vardel
Report Date: 30-Sep-19 15:50
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0576-01) Collected: 25-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92616	0.1	25-Sep-19 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92615	0.05	26-Sep-19 (JC)	0.50 mg/l	
Fecal Coliforms	SM 9221E	AI92532	1.8	27-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92532	1.8	27-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
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.#: 19I0576

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/25/19	1225	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.30 / 19.0°C
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arturo (APC)	09/25/19	17:25
Received by	Armando Olmos (Patchem)	9/25/19	17:25
Relinquished by	Armando Olmos (Patchem)	9/25/19	16:00
Received by			
Relinquished by			
Received in lab by	Jan Parker	9/25/19	16:0

Sample Received Checklist

Temperature upon receipt: 4°

# 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 (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments thereto which are accepted by writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 (or quoting services) only subject to the following General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL for laboratory/consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed collectively a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean any 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 US Environmental Protection Agency (EPA), CA Waterboard (CLAP), 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 those methodologies as necessary or appropriate due to the nature or composition of the sample 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 subcontractors 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 the service under and/or payment releases PCL from any liability in excess of the invoiced amount for the services not corresponding 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 in the event 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 on client's behalf and the results obtained by PCL shall be held in confidence unless such information is given or available to the public or is in the public domain or client has filed a gag PCL for actual damages in connection with breach of the agreement subject to any deliberate rights covered by law or legal process. PCL shall 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 which such standard was observed. PCL reports and confidential information provided hereunder are for the exclusive use and benefit of client and Client agrees that it shall not to third party transferees of the reports, data or information. Client will not disclose to any third party any written agreement governing technical and/or financial Software and any other Information.

10. **Hold Harmless**

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, consultants and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses (including, without limitation, reasonable attorneys' fees and costs) whatsoever, arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or the manufacturing, handling or disposal of client's products, materials, [illegible] Breach of all of pursuant 7 [illegible] of Damage to, loss of, or loss of use of property, and [illegible] from or out of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages, or liabilities caused in whole by the acts, negligence or willful misconduct of PCL or its employees. However, this indemnity shall not apply to any such losses, claims, damages, liabilities or expenses caused by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall apply to any and all actions, suits, proceedings, claims, demands, losses and liabilities arising out of client's breach of its representations and warranties set forth in this agreement, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted. Client shall indemnify, defend and hold harmless PCL from and against any and all claims, demands, losses, liabilities, costs and expenses, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted, arising out of or in connection with client's failure to comply with any applicable law, rule or regulation. Client agrees that its liability indemnity, and/or reimbursement as provided herein shall be in addition to any insurance proceeds paid to the indemnified party or its agents by virtue of any insurance policy or policies, and shall be due and payable hereunder regardless of whether or not such insurance proceeds are sufficient to cover the indemnified party's loss or damage and regardless of whether or not such insurance policy or policies shall have been determined to be applicable to any such loss or damage. Client expressly understands and agrees that any insurance policy(ies) that may be purchased by PCL naming Client as a co-insured under PCL's policy(ies) of insurance shall not in any way limit the liability of Client to PCL. Client expressly understands and agrees that Client is required to name PCL as an additional insured under Client's insurance policies. Client further understands and agrees that Client's purchase of such insurance does not relieve Client of any responsibility or obligation under this agreement.

11. **Hazardous Substances**

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses, such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws. Client represents to PCL that client has disclosed to PCL the nature of the samples 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 soil 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**

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order for the services and according to the terms stated on the face of the invoice or in writing. The price schedule will apply to all orders and services unless otherwise stated. Payment terms are net 30 days unless otherwise agreed to in writing by PCL. Unless stated otherwise, terms include reasonable packaging and shipping charges. Any applicable taxes, duties or other governmental charges shall be paid by customer but any amount subject to this provision shall not be subject to interest. In the event of late payment, client agrees to pay interest at the rate of [illegible] per month or the highest rate permitted by law, whichever is less. Client agrees to pay all costs of collection through legal proceedings or arbitration, or otherwise, including reasonable attorneys' fees and costs. Client shall pay all taxes associated with or arising out of the services provided by PCL, including sales, use, excise, value added, gross receipts, and similar taxes, but excluding taxes based on the net income of PCL. Client shall pay all charges for services, expenses and costs incurred by PCL on behalf of client in any third party, as a result of, or in connection with the performance of services by PCL pursuant to this agreement and/or manufacturing, handling or disposal of client's products, materials, [illegible] Breach of all of pursuant 7 [illegible] of Damage to, loss of, or loss of use of property, and [illegible] from or out of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages, or liabilities caused in whole by the acts, negligence or willful misconduct of PCL or its employees. However, this indemnity shall not apply to any such losses, claims, damages, liabilities or expenses caused by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall apply to any and all actions, suits, proceedings, claims, demands, losses and liabilities arising out of client's breach of its representations and warranties set forth in this agreement, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted. Client shall indemnify, defend and hold harmless PCL from and against any and all claims, demands, losses, liabilities, costs and expenses, including, but not limited to, attorneys' fees and costs, whether or not suit is instituted, arising out of or in connection with client's failure to comply with any applicable law, rule or regulation. Client agrees that its liability indemnity, and/or reimbursement as provided herein shall be in addition to any insurance proceeds paid to the indemnified party or its agents by virtue of any insurance policy or policies, and shall be due and payable hereunder regardless of whether or not such insurance proceeds are sufficient to cover the indemnified party's loss or damage and regardless of whether or not such insurance policy or policies shall have been determined to be applicable to any such loss or damage. Client expressly understands and agrees that any insurance policy(ies) that may be purchased by PCL naming Client as a co-insured under PCL's policy(ies) of insurance shall not in any way limit the liability of Client to PCL. Client expressly understands and agrees that Client is required to name PCL as an additional insured under Client's insurance policies. Client further understands and agrees that Client's purchase of such insurance does not relieve Client of any responsibility or obligation under this agreement.

13. **Agreement Modification**

[illegible] This agreement constitutes the entire agreement between the parties and supersedes all prior agreements, understandings, negotiations and discussions, whether oral or written, of the parties. No supplement, modification, or amendment of this agreement shall be binding unless executed in writing by both parties. No waiver of any of the provisions of this agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver. Subsequent orders for additional services may be accepted by PCL by verbal agreement.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL shall have no responsibility or liability for the [illegible] of or reliance on data, information, or reports furnished to the Client in providing services hereunder for the client account. It is not as agent or principal, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no person or entity other than client shall have any right to rely on such data, information or reports furnished by PCL. Client represents, warrants, and agrees that such data, information and reports will not be relied upon or used by client or any third party in connection with or as part of any joint venture, underwriting, solicitation, [illegible] offering, or prospectus, or the preparation of any similar document, or for the purpose of any litigation, or the solicitation of or entering into any contract, or the solicitation of or conveying any interest in real property, or for the extension of credit from any financial institution or other person, or the solicitation of or conveying any interest in the solicitation of or conveying any interest in, directly or indirectly, any governmental agency or department.

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**

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or other days on weekdays without prior notification and acceptance. Standard holding times and method modifications should be reviewed in order to be compared being performed by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 15 days or less (samples must arrive within 96 hours from sampling) must meet holding times. [illegible] allowing a minimum of 24 hours for client sampling. All short holding times (i.e. 72 hours) must be delivered [illegible] and 24 hours in order to [illegible] holding times are met. After hours, site pickup for short holding times [illegible] and are subject to additional surcharges for capacity to meet holding times. No holding times are [illegible] of the public information and are subject to change without notice.

17. **Sample Retention**

All samples are retained for an [illegible] days after analysis has been completed. Samples kept for longer periods may require storage. Samples being held for long term storage is subject to an additional charge. Samples will be disposed of at the end of a predetermined time [illegible]

18. **Sample Pick Up/Field Tech Sampling**

Where sample pick up has been initiated on the first collection, the same technician will be utilized for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed as 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: 01-Oct-19 14:21
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0577-01) Collected: 25-Sep-19 By Carlos Alvarez						
Ammonia as N	EPA 350.1	AI92608	0.10	26-Sep-19 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AI92618	0.02	26-Sep-19 (LA)	1.46 mg/l	
Nitrite as N	EPA 353.2	AI92618	0.02	26-Sep-19 (LA)	0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AI93021	0.10	30-Sep-19 (SGS)	0.50 mg/l	
Total Suspended Solids	SM 2540D	AI92611	1	26-Sep-19 (EA)	1 mg/l	
EFF (Sample I.D.# : 19I0577-02) Collected: 24-Sep-19 By AV						
Biochemical Oxygen Demand	SM 5210B	AI92609	2	01-Oct-19 (REM)	4 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/1/2019
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.#: 19I0577

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
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	09/25/19	1225	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
	09/24/19	0000	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Carc)	09/25/19	17:25
Received by		Armando Olmos (PatChe)	9/25/19	17:25
Relinquished by		Armando Olmos (PatChe)	9/25/19	16:00
Received by				
Relinquished by				
Received in lab by		Tara Bush	9/25/19	16:00

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 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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional or amended terms to which we may, and to which we may not, agree. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and/or its parents, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or replaced 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 on delivery terms 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 place services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes Client's acceptance of PCL's offer to do business with the Client under the Terms and conditions and Client's 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 contrary or additional terms or 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 purposes 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 compliance with the U.S. Environmental Protection Agency (EPA), Tri Watch Manual (TWAP), 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 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 assignment of a work order and/or original receipt 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 perform 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 sampling. PCL of the tasks 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 its services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and other information provided by client at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or otherwise lawful to use) for an exclusive recipient of information's breach of this agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized interception of such information while such data is in transit. Except as otherwise provided in this agreement, PCL reports and information provided thereunder are for the exclusive use and benefit of Client and PCL agrees that it will not disclose such reports or information to any third party without the prior written consent of Client. Client will not disclose to any third party any information, pricing, technical information, software, or strategies of PCL unless there is consent.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL (its employees, officers, directors, agents, affiliates, subsidiaries and parent companies) from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorneys' fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except to the extent resulting or caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character, arising out of and in connection with the negligence of an agent of Contract, by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnification shall be in addition to any rights which the client may have at law, PCL and the other indemnified persons. To the extent required by law, client agrees that it will maintain adequate insurance coverage to be maintained pursuant, which insurance shall name the indemnified persons under such agreement. In the event of an PCL be called to testify in any civil, criminal, or administrative action proceeding, without limitation, loss of profit or business interruption, litigation expenses, at their own discretion, without limitation, attorney's fees, court costs, and/or post-judgment collection, in any other instance in cases by client or any other party, or any litigation against or involving PCL or any other third person in connection with this agreement or any services provided under this agreement, and if, and to the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples necessary for analyses such as subject to, pyrophoric materials, explosives, bacteria 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, regulations or ordinances (whether now existing or hereafter enacted or promulgated or any official 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 lab 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

Client shall pay PCL in accordance with PCL's applicable price schedule (which is subject to change at any time without notice). Payment will be made in advance of any service or upon receipt of invoice unless credit has been established with PCL. All invoices are due and payable upon receipt. No terms or payment of charges are NET 30 days unless by the specific written agreement of PCL. In the event payment is not received within thirty (30) days of invoice, client shall pay a late charge of 1.5% per month on the unpaid balance. Unpaid accounts may be collected through legal collection or by an attorney. The client shall pay reasonable collection and attorney's fees, as well as court costs, incurred in connection with such collection and recovery efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if agreed to in writing and executed by an officer of PCL and by one of authorized representatives of Client. PCL's subsequent orders for additional services shall not be deemed to be a waiver of the Terms or any part thereof unless expressly agreed to 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 to PCL. Client is securing services hereunder for its own account, and not as agent or principal for any other person. PCL is not aware of any other persons who will rely on the services hereunder, and client agrees that any data, information and reports are not intended for use by, and shall not be used by, any person, in connection with or as part of, the purpose of, or in underwriting, all or any portion of any transaction with any person or other business entity. Without limiting the foregoing, all information, reports, and any other services provided by PCL hereunder are for the exclusive use of client and its affiliates, and no other person or entity is entitled to rely thereon, and client agrees to indemnify, defend and hold PCL harmless from any claims, liabilities, losses, damages, costs and expenses (including attorneys' fees) arising out of or in connection with any such use or 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

PCL cannot be responsible for holding times that are exceeded between samples that are delivered or shipped on a Saturday, Sunday or holiday (or any weekdays without prior notification and acceptance). Standard holding times and other conditions should be reviewed in order to any sample receiving received by PCL. In cases of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 24 hours of sampling. PCL cannot holding times cannot be met. Holding times of 48 hours or less samples must be delivered within 24 hours of sampling. Samples received after 3:00 PM may be delivered the next day. All 7 days, and delivered by 3:00 PM. Samples, drinks or similar, soils are subject to additional work fees and/or may be subject to lab holding times. All holding times are subject to the lab's discretion at the top within 24 hours of the sampling. Samples received by PCL that holding times can be met, holding times of 48 hours or less samples must be delivered the next day

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-Sep-19 15:52
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0593-01) Collected: 26-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92717	0.1	26-Sep-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92621	0.50	26-Sep-19 (JC)	3.4 mg/l	
Fecal Coliforms	SM 9221E	AI92614	1.8	28-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92614	1.8	28-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 9/30/2019
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.#: 191593

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**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	09/26/19	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	09/26/19	
Received by	EG	Evan G (PCL)	9-26-19	1230
Relinquished by	EG	Evan G (PCL)	9.26.19	1400
Received by				
Relinquished by				
Received in lab by		Jairo Parada	9/26/19	14:00

Sample Received Checklist

Temperature upon receipt: 4°
# 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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule and any additions or amendments hereto to which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services 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 reissued 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 General 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. 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 contrary 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), 40 Waterboard (ELAP), 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 of 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 price 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or Client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where 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 beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

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 liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring 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. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of conduct by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available 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 analyses 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

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

13. Agreement Modification

Changes, modifications or amendments to these Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be 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 retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity 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 relied upon in connection with or a part of the purchase, sale, underwriting, or distribution of any securities. Any 10K or other reporting to 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 contracting 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 3pm 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 24 hours or less samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, i.e. 72 hours, samples must arrive at the lab within 24 hours before expiration to insure 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: 30-Sep-19 15:55
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0613-01) Collected: 27-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AI92816	0.1	27-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92817	0.25	28-Sep-19 (JC)	1.6 mg/l	
Fecal Coliforms	SM 9221E	AI92715	1.8	29-Sep-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92715	1.8	29-Sep-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 9/30/2019
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.#: 19I0613

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/27/19	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54 / 17.6°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	09/27/19	11:37
Received by		Armando Ochoa (Pat-Chem)	9/27/19	11:37
Relinquished by		Armando Ochoa (Pat-Chem)	9/27/19	14:15
Received by				
Relinquished by				
Received in lab by		Jake Parra	9/27/19	16:15

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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments nevertheless are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or marketing services 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 reissued 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 (or deliverables) only under the following General Terms and conditions (the "Terms"). These Terms shall be agreed 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 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 initiation of sampling services constitutes the client's express assent to be governed by these terms and conditions. No contrary 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), CA Waterboard (ELAP), 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 results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to all disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not use reasonable care for unauthorized disclosure of such data, which such standard was observed. PCL reports are information provided thereto are for the exclusive use and benefit of client and PCL agrees that it shall not be a third party beneficiary of such reports. Client is not to disclose Client's name to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client (releasor) will hold save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates (collectively and each a "Indemnified Person") harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and reasonable expenses (including but not limited to attorneys fees (the Litigation Expenses") and costs of investigation) (collectively "Losses") of them or any third party as a result of, and or in any way relating 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, sickness or death of persons or 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of any kind or nature. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client claims (and any actions of every kind and charge, by anyone at all) in connection with the negligence (other than of PCL and its Indemnified Persons), omission, failure or alleged error in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which may exist or be asserted by law, or PCL and the other rules binding persons. To the extent necessary with applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to 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 in other fees including, without limitation, attorney's fees, court costs, and the cost of time (whether or not employees), 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 (samples) for analysis such as asbestos, polychlorinated biphenyls, bacteria, toxins or other hazardous toxic materials, wastes and substances which are defined, determined to 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 these 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 analytical 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the date the services were rendered or such prices mutually agreed upon/stated in writing. The price schedule is subject to change at any time at PCL's sole discretion. Payment is due upon receipt of invoice. If payment is received by PCL after thirty (30) days from the date of invoice, client shall pay a late charge of 1.5% per month on the unpaid balance. If unpaid amounts are referred to collection agency or attorney for collection, client shall pay all costs of collection, including reasonable attorneys' fees and costs. Client shall pay all taxes, duties and assessments (except taxes based on PCL's net income) imposed in connection with the sale or the performance of services hereunder, and client will reimburse PCL for any such taxes, duties or assessments paid or payable by PCL. Client shall pay all invoices in full without any deduction or offset of any kind. In the event client fails to pay PCL within thirty (30) days of the invoice date, PCL may, at its option, suspend performance of services until client has paid all amounts due and has provided PCL with adequate assurance of client's ability to pay for future services. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any delinquent amounts due to PCL for services performed or expenses incurred by PCL.

13. Agreement Modification

Client may request changes to or modifications to the Terms in writing. Any such changes or modifications will not be effective unless and until PCL has agreed to them in writing and a written change order is executed by both parties. PCL shall not be bound by any subsequent orders for additional services that may be issued by client.

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 acquiring services from PCL for client's own account and not as agent for, or on behalf of, any other person or entity. Client acknowledges and agrees that there are no third party beneficiaries to this agreement, and that no third party (including, but not limited to, any purchaser of property owned by client) may rely on any information or reports furnished by PCL to client. Client agrees that all data, information, or reports furnished by PCL to client shall be used by client solely in connection with its own internal use, and that client will not sell, transfer, sublicense, or distribute any such data, information, or reports to any other party (including, but not limited to, any prospective purchaser of property owned by client) without PCL's prior written consent. Client shall not publish or otherwise disclose the results of any services performed by PCL hereunder to any third parties without PCL's prior written consent. Client shall not use any data, information, or reports furnished by PCL to client in any manner that is misleading or inconsistent with applicable law.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turn around 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 or received after business hours, on weekends, without prior notification and acceptance. Standard holding times and shortened ones should be reviewed prior to any analysis being received by PCL. A list of holding times can be provided to the client upon request. All analyses will have times of 24 hours or less. Samples must arrive within 36 hours to allow PCL to meet holding times without incurring weekend surcharge. All short holding times (i.e. 7 days, or less) 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 (example is 6 hour) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company, drivers or similar issues are subject to additional surcharges and/or the inability to meet holding times. All holding times are effective 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 all work has been completed. Sample storage for longer periods is by request only. Per sample long term storage is subject to an additional charge. Samples will be disposed at the end of the per arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been entered on the fee schedule. Reasonable fees have been established for each pick up or 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

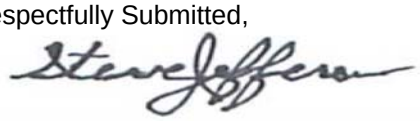
Attention: Ric Vardel
Report Date: 04-Oct-19 16:58
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0617-01) Collected: 28-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI92816	0.1	28-Sep-19 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI92818	0.05	28-Sep-19 (JC)	0.75 mg/l	
Fecal Coliforms	SM 9221E	AI92815	1.8	30-Sep-19 (REM)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92815	1.8	30-Sep-19 (REM)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
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.#: 1910617

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: VICTOR ARIKIAN	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	9-28-19	10:17	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	9-28-19	10:17
Received by	RM (PCL)	9/28/19	1145
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	9/29/19	13:26

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
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 (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments to which we agree to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or his/her/s, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such documents may be amended or released 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 General Terms and Conditions (the "Terms"). These Terms may 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 Note of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or its agent for consulting services constitutes Client's unconditional assent to be governed by these terms and conditions. No additional or different terms and conditions expressed in a client's document shall be deemed to become a part of this 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), CA state (Cal-EPA/ELAP), 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 other prior 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 its progress 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 perform 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 extend 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 samples submitted by client or at client's request and the results obtained by PCL shall be held in confidence. Publication of such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses to protect its own confidential data and shall not be responsible for unauthorized disclosure of data where such standard was observed. PCL reports and information produced shall not be for the exclusive use and benefit of client and client agrees that shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other technology.

10. Hold Harmless

Client releases, will defend, save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the "Liabilities") asserted and/or actually arising in favor of client or any 3rd party as a result of, and/or in any way connected, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except to the extent such liability or damage is caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by client, its subcontractors, agents, whether active or passive, in the performance of services under this agreement. The foregoing indemnities shall be in addition to any remedy which the client may have in law, and the other indemnities herein. To the extent permitted by law, client shall also defend any claim or suit brought against PCL by a third party for which client has agreed to indemnify PCL and the client agrees to pay all costs, damages and attorneys fees that may be awarded against PCL in connection with any such claim or suit. Client's indemnification obligations shall include, but not be limited to, all consequential damages including, without limitation, loss of profits or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and the cost of appellate counsel), or any other expenses or costs incurred by client or any third party in any litigation, claims or involving PCL or any indemnified parties in connection with this agreement to the extent permitted under this agreement except client's fraud or willful misconduct.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive complete materials for analysis such as potential, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, referenced or identified as such under federal, state or local laws, rules, PCL agrees to regulations (whether now existing or hereafter enacted or promulgated) or any material, administration, interpretation of any thereof (the "Hazardous Materials"). Client expressly accepts 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 waste 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations in the state the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or where analysis is completed is required for all new clients or until a history of payment satisfactory to PCL is established with PCL. For those clients with an established credit history, the terms for payment of invoices are NET 30 from invoice date (30 days from date of invoice). To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is 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 unpaid amounts are to be sued through legal proceedings, or by an attorney, the client shall pay reasonable costs and attorneys fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications, or amendments to the terms shall be effective only in writing and executed by an officer of PCL and the client subsequent agreements, excepting subsequent orders for additional services may be 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 retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or party. 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 no data, information or reports are represented, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any exercise 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 communication with any of its officers, and governmental agency or department.

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

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 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 exceptions to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) 5 hours must be delivered the same day in order to meet short holding times are met. When issues like delivery, weight concerns 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 noted 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 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

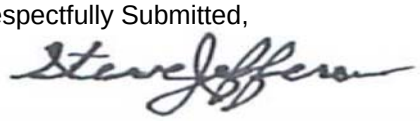
Attention: Ric Vardel
Report Date: 04-Oct-19 17:07
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0625-01) Collected: 29-Sep-19 By Victor Arikian						
pH	SM4500-H-B	AI93017	0.1	29-Sep-19 (PL)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AI93018	0.05	30-Sep-19 (PL)	0.19 mg/l	
Fecal Coliforms	SM 9221E	AI92919	1.8	01-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI92919	1.8	01-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
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.#: 191025

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARIKIAN	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	9-29-19	10:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/24.9°
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	9-29-19	10:40
Received by		Jordan Corkery	9-29-19	18:40
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	9-29-19	13:37

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
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" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including or sampling services and his or her owners, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule or such documents as may be amended or issued 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 constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the Terms and condition and 2. an agreement to be bound by these Terms and conditions. The Client's delivery of samples to PCL or authorized Consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions proposed in a client's document shall be deemed to constitute 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 (ELAP), 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 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 work under this 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 or duplicative 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 results obtained by PCL shall be held in confidence. PCL shall not disclose such information to any person or entity other than the client, except as required by law or to any services rendered or in connection with the performance of services pursuant to the agreement. Notwithstanding the foregoing, PCL shall be entitled to disclose such information in connection with any dispute between PCL and the client regarding the services rendered or in connection with the enforcement of PCL's rights hereunder. Client understands that in the course of the agreement, PCL may engage subcontractors to assist in certain process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of samples where such disclosure was beyond PCL control. Any and all reports and information provided hereunder are for the exclusive use and benefit of client and no other person shall be or third party beneficiary of such reports, data or information. Client will not disclose to any third party any information regarding technologies, methods, software or processes of PCL from whatever source.

10. Hold Harmless

Client hereby will and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses, and associated costs, including, but not limited to, all court fees, fines, litigation, settlement and awards arising in favor of Client or any third party as a result of, and/or in any way relating, incidental or 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, injury, damage or death of persons or loss of damage to property, any of it from whatever of every kind of character. The indemnity does not apply to any of the foregoing losses, costs, damages, to incurred caused solely by the gross negligence or willful misconduct of PCL, its employees. Further, the indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of the client or client's agents, employees, subcontractors, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by insurance liability insurance coverage to be maintained by client, which insurance shall be in full force and effect and PCL on false business for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruptions, litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or expert witness judgment interest), or any other expenses to 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 services provided under this agreement except if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will disclose and PCL will receive samples materials for asbestos such as asbestos, polychlorinated biphenyl, 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 materials 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 shall 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 accordance with PCL's applicable price schedule in effect at the time of application of the date the request is made in writing or with prior quotation and later confirmed in writing, the price schedule is subject to change at any time without notice. Payment is due in full upon completion of the services or receipt of an invoice, whichever occurs first. If payment arrangements have not been established with PCL for those accounts with an established credit account, the terms of payment of charges are NET 30 days from invoice date. Client agrees to pay all costs, to the fullest extent permitted by law, including reasonable attorneys' fees and court costs, incurred by PCL in its attempts to collect any amount owed to PCL hereunder. Client agrees to pay interest at the lesser of five percent (5%) per month or the highest amount of unpaid amounts to be collected through legal proceedings by an attorney. The client agrees to pay all costs and expenses of PCL's agents, including attorneys, engaged in collection efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by Client. Authorized representatives, except that subsequent orders for additional services may be given orally.

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, including, without limitation, its agents, employees, and not as agent or employee, or in any other representative capacity 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 or relied upon, in connection with or as part of the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting or requirement of any security, the issuing, guarantee, renewal, or extension of any loan from any financial institution or other lender, or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that were delivered or received or after 5pm 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 analytes 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 allow time for testing. Any analytes with short holding times of 24 hours or less (0.5 to 1 hours) must be delivered immediately to receive by qualified holding times are met. Circumstances like 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 subject as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are returned for all waste fully disposed. After analysis, samples are retained for a period of 30 days for storage periods is by request only. Prices beyond long term storage is subject to an additional charge. Samples will be disposed at the end of the period unless otherwise.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling services must be requested on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, may 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

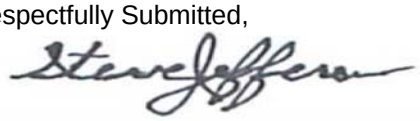
Attention: Ric Vardel
Report Date: 04-Oct-19 17:13
Subject: (MCC) Daily Effluent

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 19I0644-01) Collected: 30-Sep-19 By Carlos Alvarez						
pH	SM4500-H-B	AJ90120	0.1	30-Sep-19 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ90119	0.05	01-Oct-19 (JC)	0.96 mg/l	
Fecal Coliforms	SM 9221E	AI93028	1.8	02-Oct-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AI93028	1.8	02-Oct-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/4/2019
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.#: 19I0644

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
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	09/30/19	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	09/30/19	
Received by	EB	Carlos PCL	9.30.19	1300
Relinquished by	EB	Carlos PCL	9.30.19	1415
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	9/30/19	1915

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 - $CuSO_4$

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

Pat-Chem Laboratories

11990 Discovery Court

Moorpark, CA 93021

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.: **1531**

Expiration Date: **5/31/2019**

Effective Date: **6/1/2017**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Pat-Chem Laboratories

11990 Discovery Court
Moorpark, CA 93021
Phone: (805) 532-0012

Certificate No. 1531
Expiration Date 5/31/2019

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM9215B
101.010	001	Heterotrophic Bacteria	SM9215B
101.010	002	Heterotrophic Bacteria	SimPlate
101.011	001	Heterotrophic Bacteria	SimPlate
101.020	001	Total Coliform P/A	SM9221B
101.020	002	Fecal Coliform P/A	SM 9221 B,E
101.020	003	E. coli P/A	SM 9221 B,F
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
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	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0

As of 5/31/2017 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.030	009	Sulfate	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.045	001	Perchlorate	EPA 314.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.095	001	Turbidity	SM2130B-2001
102.095	001	Turbidity	SM2130B-2001
102.100	001	Alkalinity	SM2320B
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.121	001	Hardness	SM2340C-1997
102.130	001	Conductivity	SM2510B-1997
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.147	001	Calcium	SM3120B-1999
102.147	002	Magnesium	SM3120B-1999
102.147	003	Potassium	SM3120B-1999
102.147	004	Silica	SM3120B-1999
102.147	006	Hardness (calculation)	SM3120B-1999
102.150	001	Chloride	SM4110B
102.150	002	Fluoride	SM4110B
102.150	003	Nitrate	SM4110B
102.150	004	Nitrite	SM4110B
102.150	005	Phosphate, Ortho	SM4110B
102.150	006	Sulfate	SM4110B
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.190	001	Cyanide, Total	SM4500-CN E
102.190	001	Cyanide, Total	SM4500-CN E
102.191	001	Cyanide, Total	SM4500-CN F
102.192	001	Cyanide, amenable	SM4500-CN G
102.200	001	Fluoride	SM4500-F C-1997
102.200	001	Fluoride	SM4500-F C
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.234	001	Nitrite (as N)	SM4500-NO3- F-2000
102.234	001	Nitrite	SM4500-NO3 F
102.234	002	Nitrate (as N)	SM4500-NO3- F-2000

102.234	002	Nitrate	SM4500-NO3 F
102.241	001	Phosphate, Ortho	SM4500-P F
102.260	001	Total Organic Carbon TOC	SM5310B-2000
102.260	001	Total Organic Carbon TOC	SM5310B
102.261	001	Dissolved Organic Carbon (DOC)	SM5310B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM5310B
102.270	001	Surfactants	SM5540C-2000
102.270	001	Surfactants	SM5540C
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calculation)	EPA 200.7

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.030	001	Mercury	SM3112B
103.060	001	Aluminum	SM3120B
103.060	003	Barium	SM3120B
103.060	004	Beryllium	SM3120B
103.060	007	Chromium	SM3120B
103.060	008	Copper	SM3120B
103.060	009	Iron	SM3120B
103.060	011	Manganese	SM3120B
103.060	012	Nickel	SM3120B
103.060	015	Silver	SM3120B
103.060	017	Zinc	SM3120B
103.130	001	Aluminum	EPA 200.7
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7

103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	003	1,2,3-Trichloropropane	EPA 504.1

104.030	003	1,2,3-Trichloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	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	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	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	034	trans-1,3-Dichloropropene	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	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	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	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	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	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	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	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	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	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	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	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	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	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Adipates	EPA 506
105.020	000	Phthalates	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.020	010	Phthalates	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides	EPA 508
105.035	001	Aldrin	EPA 508
105.035	001	Aldrin	EPA 508
105.035	002	Dieldrin	EPA 508
105.035	003	Endosulfan I	EPA 508
105.035	003	Endosulfan I	EPA 508
105.035	004	Endosulfan II	EPA 508

105.035	004	Endosulfan II	EPA 508
105.035	005	Endosulfan Sulfate	EPA 508
105.035	005	Endosulfan Sulfate	EPA 508
105.035	006	Endrin	EPA 508
105.035	007	Endrin Aldehyde	EPA 508
105.035	007	Endrin Aldehyde	EPA 508
105.035	008	Heptachlor	EPA 508
105.035	009	Heptachlor Epoxide	EPA 508
105.035	010	Hexachlorobenzene	EPA 508
105.035	011	Lindane	EPA 508
105.035	012	Methoxychlor	EPA 508
105.035	013	Propachlor	EPA 508
105.035	013	Propachlor	EPA 508
105.035	014	Chlordane	EPA 508
105.035	015	Toxaphene	EPA 508
105.035	018	Aroclor 1221	EPA 508
105.035	019	Aroclor 1232	EPA 508
105.035	020	Arochlor 1242	EPA 508
105.035	020	Arochlor 1242	EPA 508
105.035	021	Aroclor 1248	EPA 508
105.035	022	Aroclor 1254	EPA 508
105.035	022	Aroclor 1254	EPA 508
105.035	023	Aroclor 1260	EPA 508
105.040	000	Chlorinated Pesticides	EPA 508
105.040	003	Chlordane (total)	EPA 508
105.040	007	Endrin	EPA 508
105.040	008	Heptachlor	EPA 508
105.040	009	Heptachlor Epoxide	EPA 508
105.040	010	Hexachlorobenzene	EPA 508
105.040	012	Lindane	EPA 508
105.040	013	Methoxychlor	EPA 508
105.040	015	Toxaphene	EPA 508
105.040	016	PCBs as Aroclors (screen)	EPA 508
105.070	001	Bentazon	EPA 515.1
105.070	001	Bentazon	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	003	Dalapon	EPA 515.1
105.070	004	Dicamba	EPA 515.1
105.070	004	Dicamba	EPA 515.1
105.070	005	Dinoseb	EPA 515.1
105.070	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP	EPA 515.1

105.070	008	2,4,5-TP	EPA 515.1
105.070	009	Chlorinated Acids	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	004	Dalapon	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM9215B
107.020	002	Total Coliform (Enumeration)	SM9221B,E-2006
107.020	002	Total Coliform (Enumeration)	SM9221B-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B,C-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B,C-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.242	001	Enterococci	Enterolert
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM9223B (Colilert)
107.245	002	E. coli (Enumeration)	SM9223B (Colilert)
107.247	001	E. coli (Enumeration)	SM9221B,F-2006
107.247	001	E. coli (Enumeration)	SM9221B,F-2006

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.020	001	Conductivity	EPA 120.1
108.020	001	Conductivity	EPA 120.1
108.030	001	Hardness	EPA 130.1
108.051	001	Hydrogen Ion (pH)	EPA 150.1
108.090	001	Residue, Volatile	EPA 160.4
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	001	Boron	EPA 200.7

108.112	002	Calcium	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.113	001	Boron	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	005	Silica, Dissolved	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (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	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.209	001	Ammonia (as N)	EPA 350.1
108.210	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.1
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2

108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus, Total	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
108.266	001	Phosphorus, Total	EPA 365.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B-2001
108.390	001	Turbidity	SM2130B-2001
108.400	001	Acidity	SM2310B-1997
108.410	001	Alkalinity	SM2320B-1997
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.421	001	Hardness	SM2340C-1997
108.421	001	Hardness	SM2340C-1997
108.430	001	Conductivity	SM2510B-1997
108.430	001	Conductivity	SM2510B-1997
108.438	001	Boron	SM3125B-2009
108.438	002	Calcium	SM3125B-2009
108.438	003	Magnesium	SM3125B-2009
108.438	004	Potassium	SM3125B-2009
108.438	006	Sodium	SM3125B-2009
108.438	007	Hardness (calculation)	SM3125B-2009
108.439	001	Residue, Volatile	SM2540E-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.444	001	Temperature	SM2550B-2000
108.444	001	Temperature	SM2550B-2000
108.447	001	Boron	SM3120B-1999
108.447	002	Calcium	SM3120B-1999
108.447	003	Hardness (calculation)	SM3120B-1999
108.447	004	Magnesium	SM3120B-1999

108.447	005	Potassium	SM3120B-1999
108.447	006	Silica	SM3120B-1999
108.447	007	Sodium	SM3120B-1999
108.448	001	Bromide	SM4110B-2000
108.448	002	Chloride	SM4110B-2000
108.448	003	Fluoride	SM4110B-2000
108.448	004	Nitrate (as N)	SM4110B-2000
108.448	005	Nitrite (as N)	SM4110B-2000
108.448	006	Nitrate-nitrite	SM4110B-2000
108.448	007	Phosphate, Ortho	SM4110B-2000
108.448	008	Sulfate	SM4110B-2000
108.465	001	Chlorine, Total Residual	SM4500-Cl G-2000
108.465	001	Chlorine, Total	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.472	001	Cyanide, Total	SM4500-CN E-1999
108.472	001	Cyanide, Total	SM4500-CN C,E-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.474	001	Cyanide, Total	SM4500-CN F-1999
108.480	001	Fluoride	SM4500-F B,C-1997
108.480	001	Fluoride	SM4500-F B,C-1997
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.506	002	Ammonia (as N)	SM4500-NH3 G-1997
108.508	002	Ammonia (as N)	SM4500-NH3 G-1997
108.513	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg D-1997
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000
108.529	002	Nitrite (as N)	SM4500-NO3- F-2000
108.529	002	Nitrite (as N)	SM4500-NO3- F-2000
108.529	003	Nitrate (as N)	SM4500-NO3- F-2000
108.529	003	Nitrate (as N)	SM4500-NO3- F-2000
108.536	001	Oxygen, dissolved	SM4500-O G-2001
108.542	001	Phosphate, Ortho	SM4500-P F
108.544	001	Phosphate, Ortho (as P)	SM4500-P G-1999
108.545	001	Phosphorus, Total	SM4500-P H-1999
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000
108.603	001	Oil & Grease Total	SM5520B-2001

108.605	001	Surfactants	SM5540C-2000
108.605	001	Surfactants	SM5540C-2000
108.625	001	Phenols, Total	SM5530 B-2005
108.626	001	Phenols, Total	SM5530 D-2005
108.626	001	Phenols, Total	SM5530 D-2005

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	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	026	Vanadium	EPA 200.7

109.010	027	Zinc	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

109.190	001	Mercury	EPA 245.1
109.430	001	Aluminum	SM3120B-1999
109.430	002	Antimony	SM3120B-1999
109.430	003	Arsenic	SM3120B-1999
109.430	004	Barium	SM3120B-1999
109.430	005	Beryllium	SM3120B-1999
109.430	007	Cadmium	SM3120B-1999
109.430	009	Chromium	SM3120B-1999
109.430	010	Cobalt	SM3120B-1999
109.430	012	Iron	SM3120B-1999
109.430	015	Manganese	SM3120B-1999
109.430	016	Molybdenum	SM3120B-1999
109.430	017	Nickel	SM3120B-1999
109.430	019	Selenium	SM3120B-1999
109.430	021	Silver	SM3120B-1999
109.430	023	Thallium	SM3120B-1999
109.430	024	Vanadium	SM3120B-1999
109.430	025	Zinc	SM3120B-1999
109.445	002	Chromium (VI)	SM3500-Cr B-2009
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
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.010	000	Phenols	EPA 604
111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.103	000	Nitrosamines	EPA 625
111.103	000	Nitrosamines	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B

114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	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
114.103	001	Chromium (VI)	EPA 7196A
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.141	001	Mercury	EPA 7471A
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C

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
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.080	120	Oxygenates	EPA 8260B

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.110	000	Extractable Organics	EPA 8270C
117.110	000	Extractable Organics	EPA 8270C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.210	000	Organochlorine Pesticides	EPA 8081A
117.210	000	Pesticides & PCBs	EPA 8081A
117.220	000	PCBs	EPA 8082
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.280	000	Carbamates	EPA 8321A

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
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C
120.080	001	Corrosivity - pH Determination	EPA 9045C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM9221B,C-2006
126.010	001	Total Coliform (Enumeration)	SM9221B,C
126.030	001	Fecal Coliform (Enumeration)	SM9221E-2006
126.030	001	Fecal Coliform (Enumeration)	SM9221B,E-2006
126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)

126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.080	001	Enterococci	Enterolert
126.080	001	Enterococci	Enterolert