INTEGRATED
PERFORMANCE
CONSULTANTS

March 1st, 2021

Renee Purdy
Executive Officer
California Regional Water Quality Control Board
Los Angeles Region

Attention: Information Technology Unit

Malibu Civic Center WTP
2020 Annual Monitoring Report

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

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant (MCCWTP) ran well all year, with no major equipment or process issues. Distribution of Reclaimed Water began in March when the first end user, Bluffs Park, was put into service.

A. Tabular and Graphical Summaries of Data

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

B. Compliance Record

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

C. Results of Effluent, Groundwater, and Surface Monitoring

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

D. Description of Changes and Anticipated Changes

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

Impact of COVID-19

Stay at home orders and business shutdowns due to the COVID-19 pandemic reduced flow and load substantially from Q2 through Q4. Flow and waste strength both decreased to 50% of normal values, yielding 25% of normal organic mass load. This made the biological process more difficult to operate. Continuous MicroC addition was required for BOD replacement and NOx control. By the beginning of Q4, flow and load had returned to nearly 75% of pre-COVID levels, only to drop again as a second set of stay at home orders and business shutdowns was implemented to address the second wave of COVID-19. MicroC dose was decreased in concert with flow and load increases where possible. Flow and load trends are provided later in the report.

Screened Solids Handling Difficulties

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

Inadequate Flow Equalization Pump Delivery Rate

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

Cement Mortar Lined Steel (CML) Pipe Issues

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

Excessively Hot Control Panels

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

UV Unit Flow Control Issues

The UV System was originally piped in a way that made flow measurement impossible because the outlet piping drained by gravity to the reclaimed water Clearwell, and the individual UV Unit flow meters on the outlet piping could not be kept full, which is a

requirement for this type of flow meter. In concert with the CML pipe replacement job mentioned previously, the outlet piping was elevated to ensure the UV Unit flow meters remained full at all times. Once this was completed, it became apparent that it was not possible to control flow adequately to each UV Unit by relying on the natural hydraulic split expected by the designer. In order to resolve this, IPC replaced the original OPEN / CLOSED motor operated inlet valves with motor operated analog flow control valves. It is now possible to specifically control flow to each UV Unit, so that flow is distributed evenly and not allowed to exceed the 0.1 MGD design threshold per UV Unit.

Ultrasonic Level Transmitter Failures

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

Off Spec Bypass

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

Consistently Low UVT

The Trojan UV Fit system was certified to achieve adequate disinfection when operated as designed on feed water with UVT of 65% or higher. It has proven very impossible to reliably achieve 65% UVT in the UV feed water. UVT was initially controlled by adding

alum, but this was subsequently abandoned in favor of filtrate chlorination at 5 to 10 mg/L.

Injection Well Piping

On initial attempts to start up the injection wells, they were found to have a similar problem as the one described earlier on the UV Units, in terms of discharge piping that could not be kept full so that the flow meter could function properly. Injection Well 1 was repiped for a test, adding an inverted U downstream of the flow meter to keep the meter flooded when the backflush pump was running. The piping modification was a success and was subsequently applied to Injection Well 2. Injection Well 3 piping modifications will be completed as part of Phase II construction.

E. List of Analytical Methods and QA/QC

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

F. Operator Certification

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

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

G. Summarize Changes to OMM Plan

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

H. Groundwater Flow and Transport

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

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

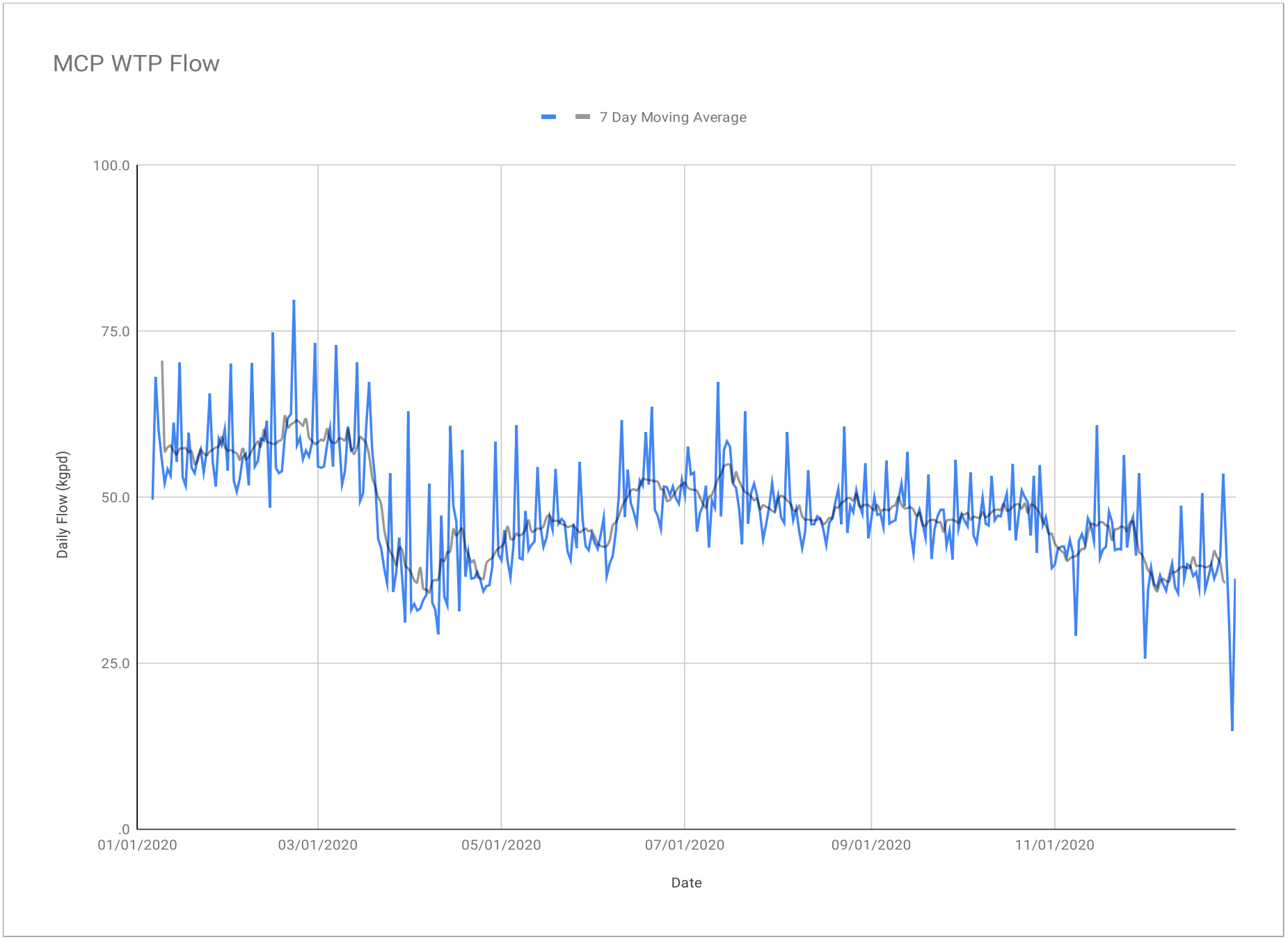
Executed on the 1st day of March, 2021, at Irvine, CA.

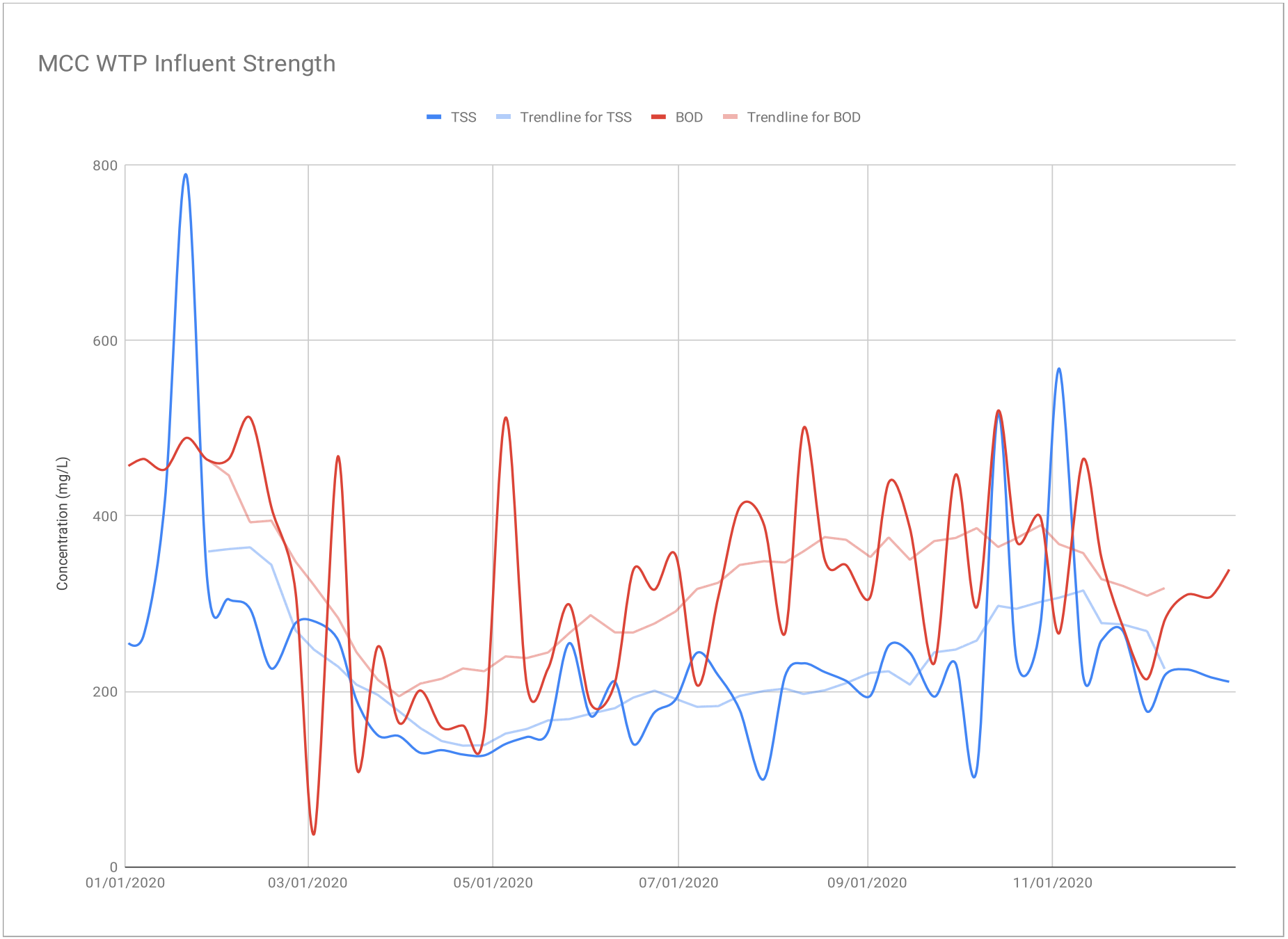
Sincerely,

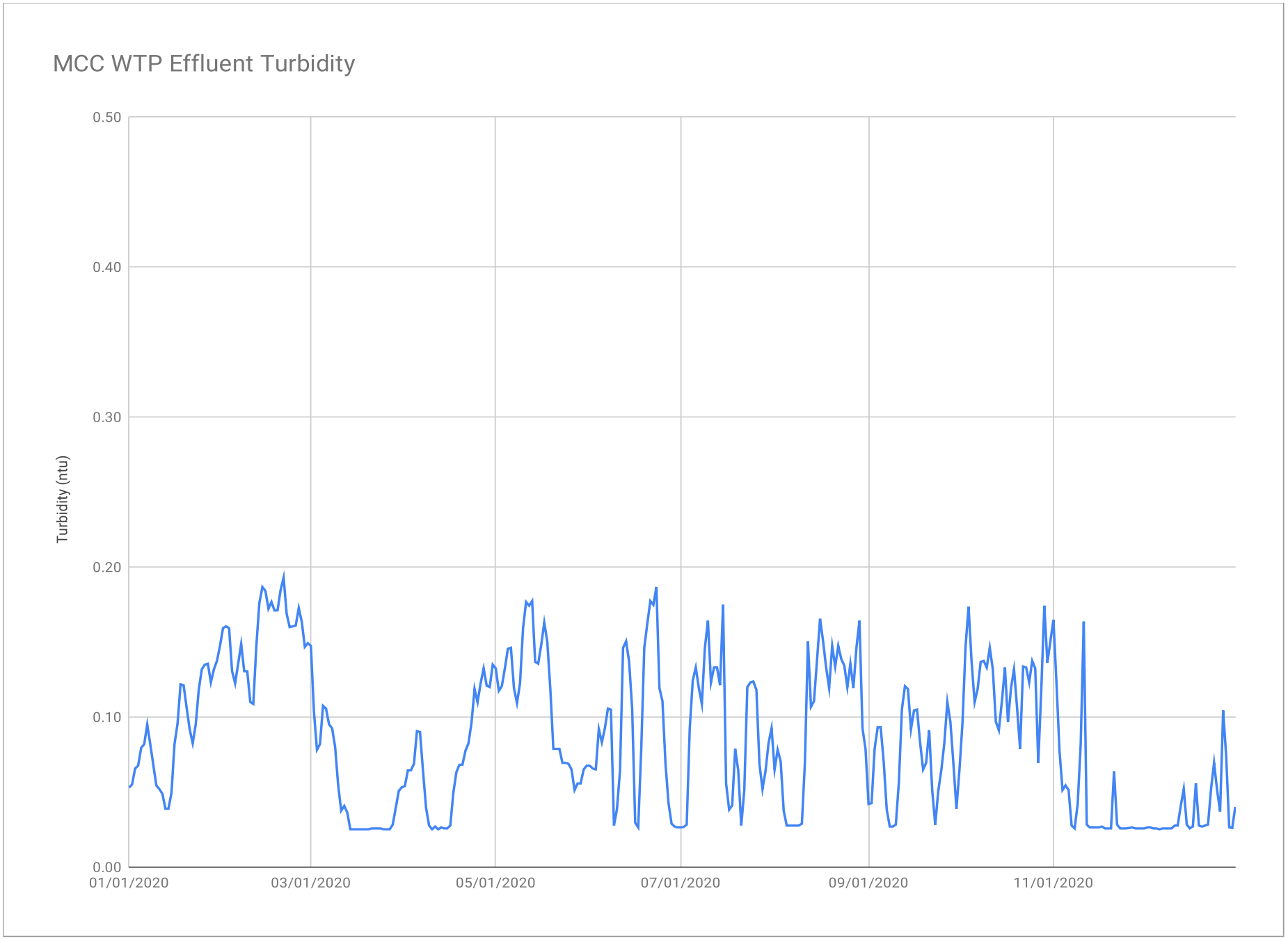


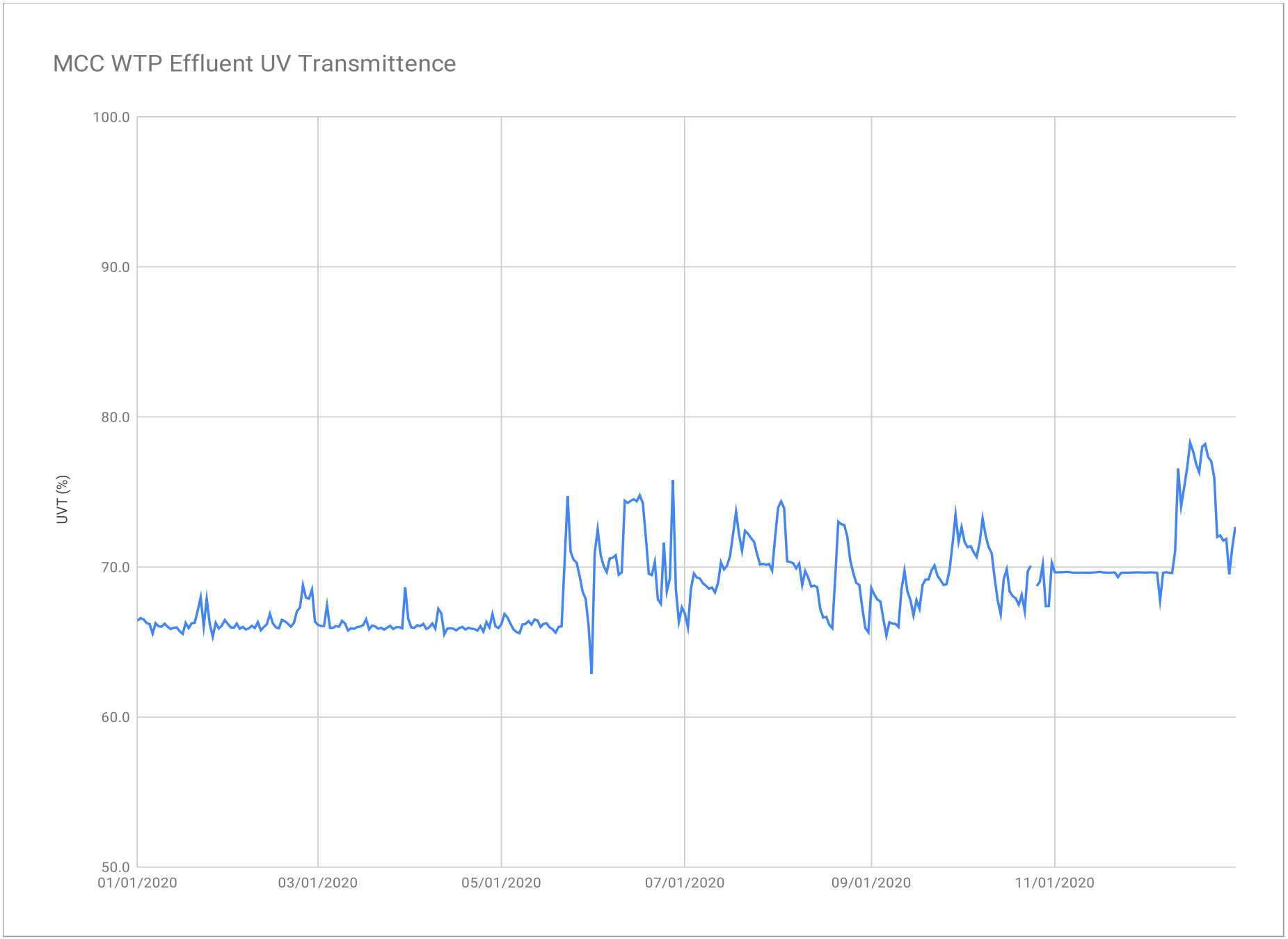
Ric Vardel, IPC Inc.
Chief Plant Operator, License V-4457

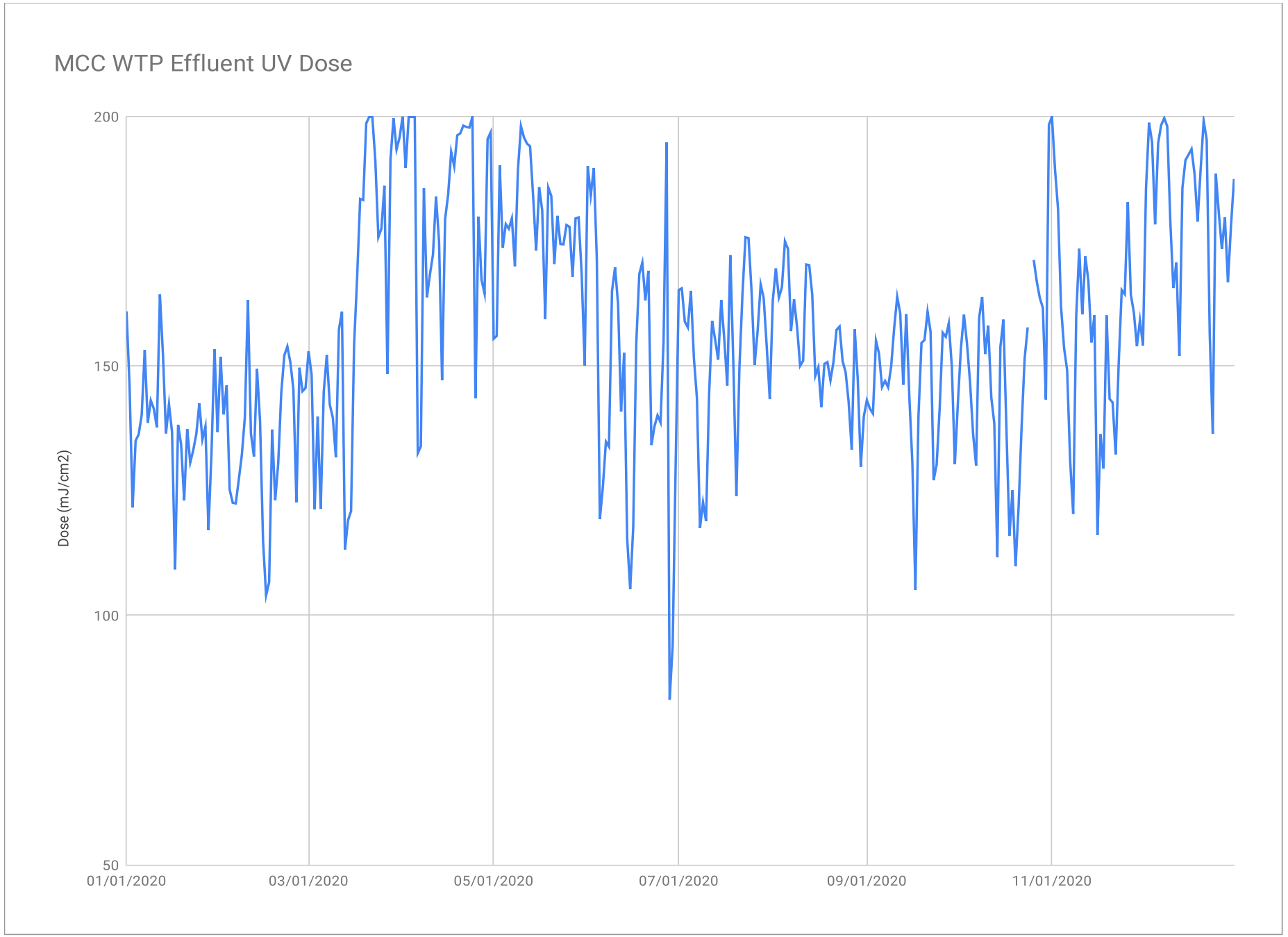
Integrated Performance Consultants, Inc.
Contract Operator, LIcense CO-0083

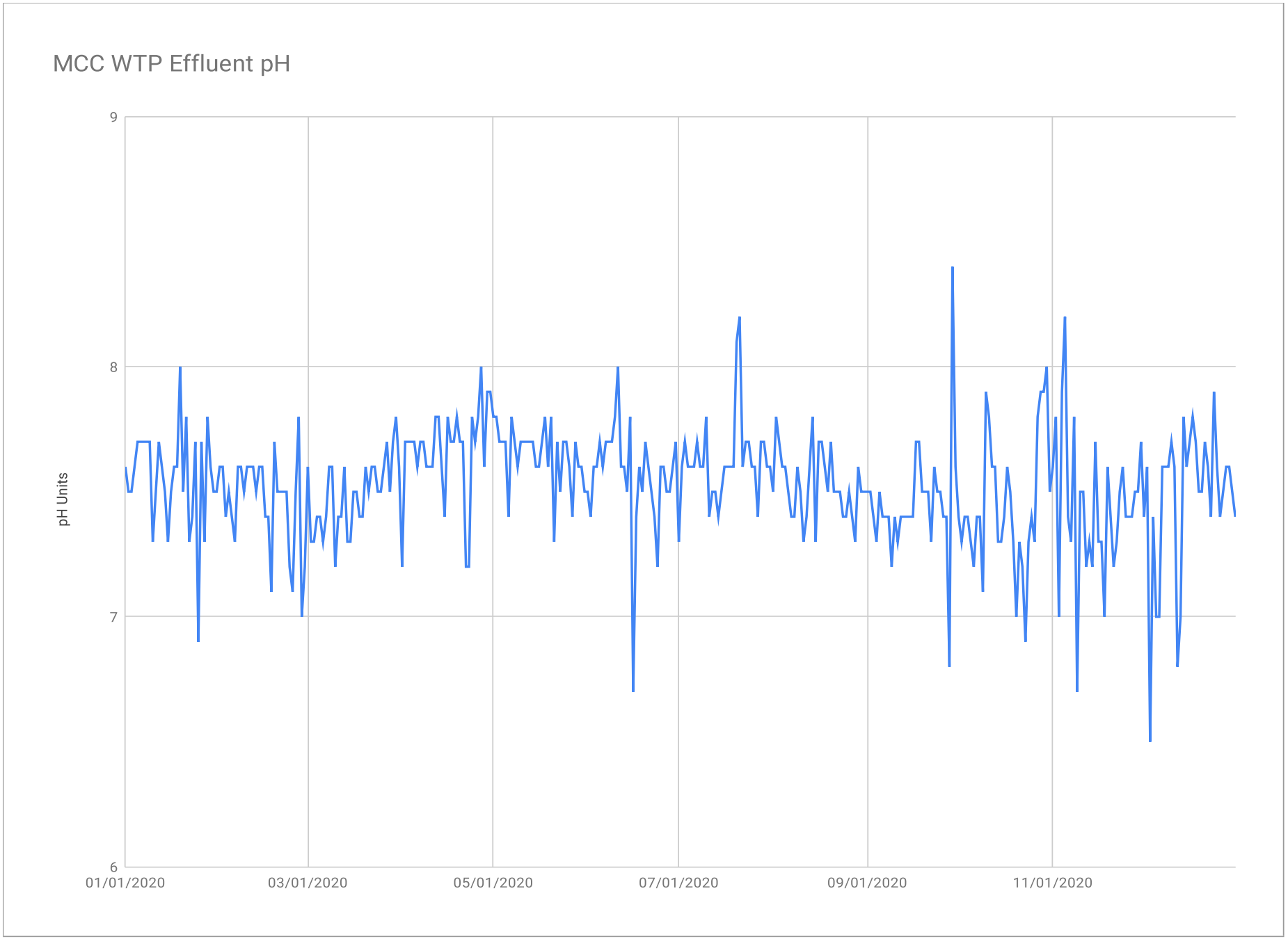

MCP WTP Flow
7 Day Moving Average
100.0
75.0
50.0
25.0
.0
Daily Flow (kgpd)
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020
Date

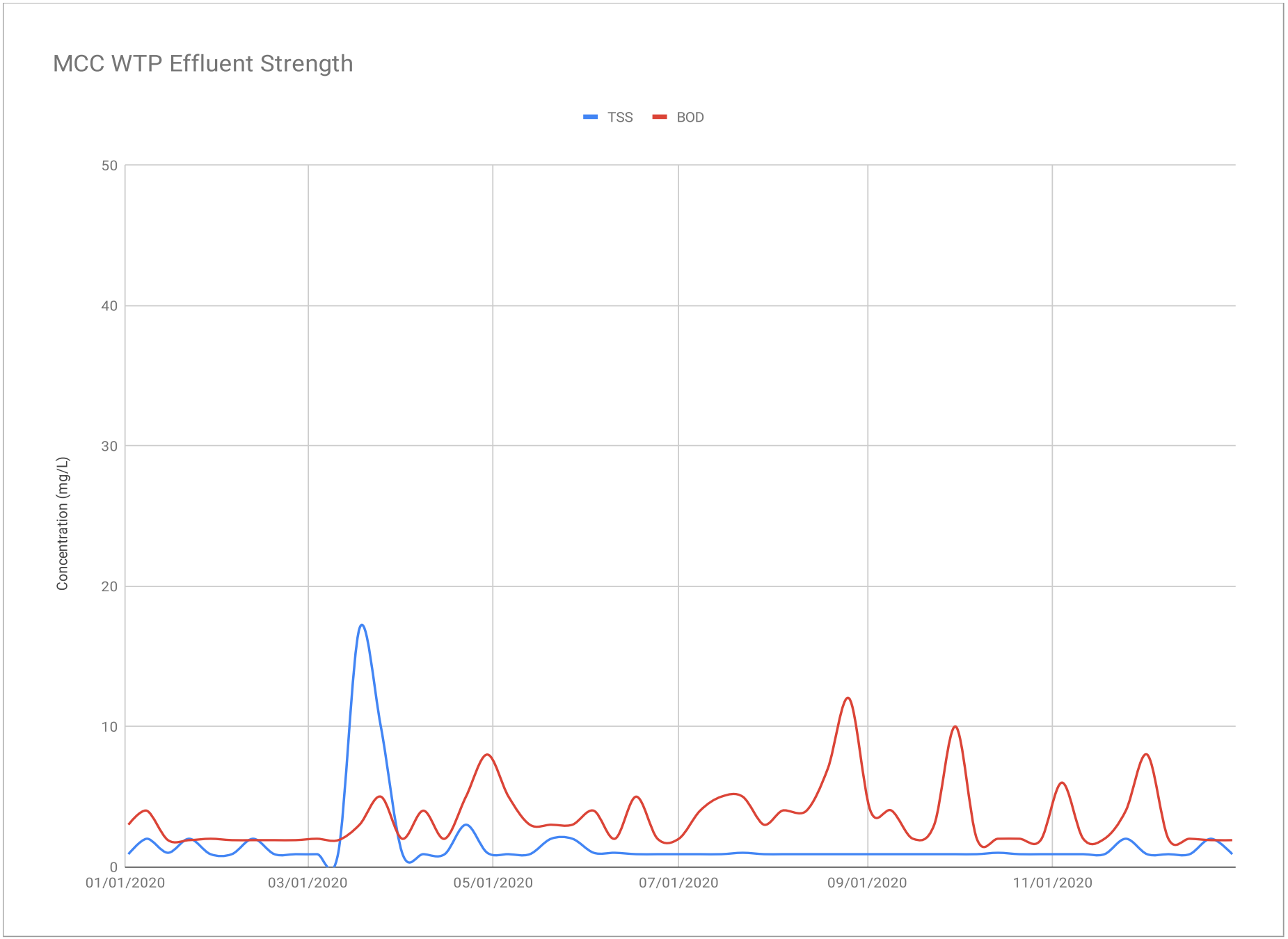

MCC WTP Influent Strength
TSS
Trendline for TSS
BOD
Trendline for BOD
800
600
400
200
0
Concentration (mg/L)
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020

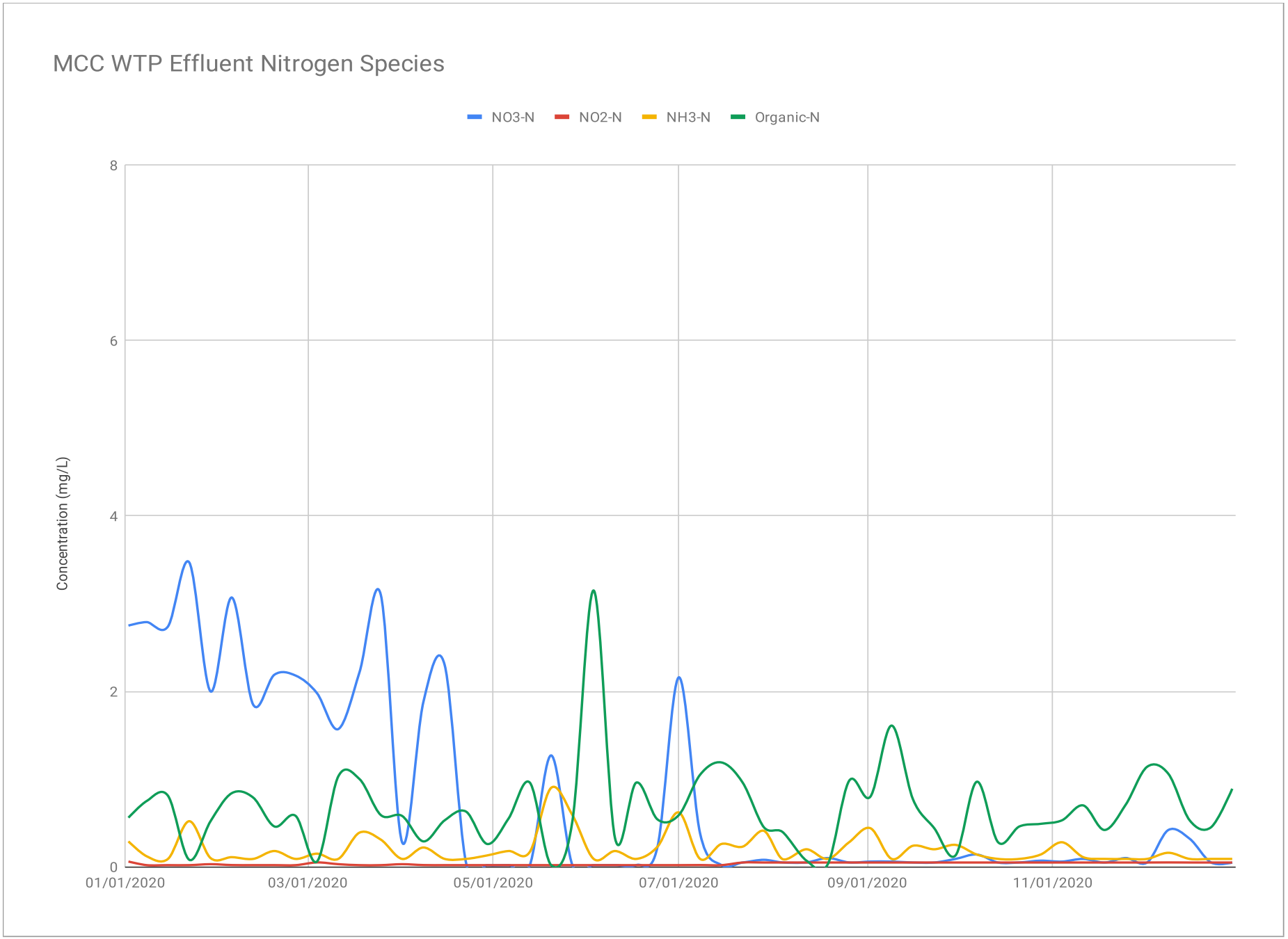

MCC WTP Effluent Turbidity
Turbidity (ntu)
0.50
0.40
0.30
0.20
0.10
0.00
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020

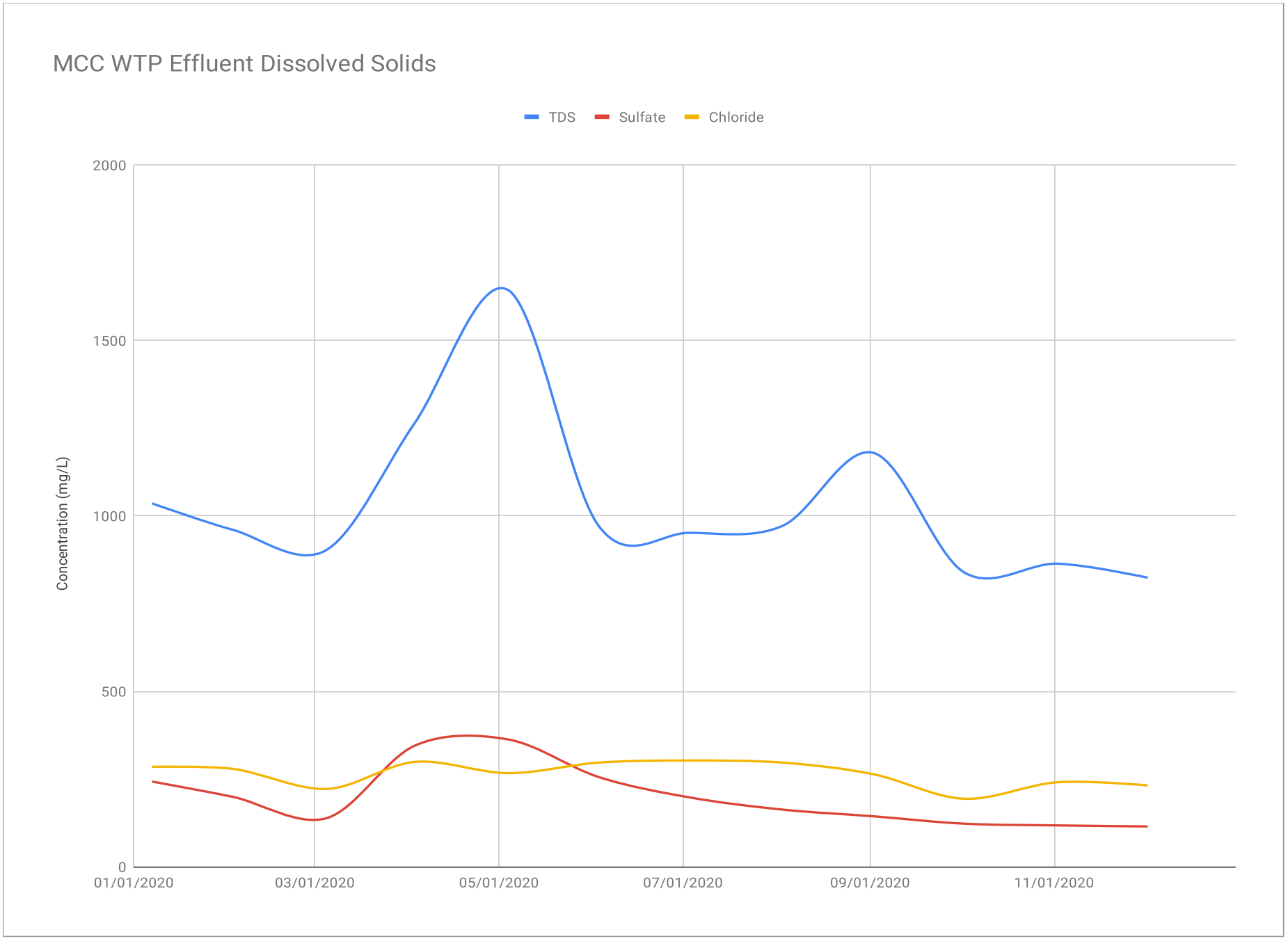

MCC WTP Effluent UV Transmittence
UVT (%)
100.0
90.0
80.0
70.0
60.0
50.0
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020


MCC WTP Effluent UV Dose
Dose (mJ/cm2)
200
150
100
50
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020


MCC WTP Effluent pH
pH Units
9
8
7
6
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020


MCC WTP Effluent Strength
TSS
BOD
Concentration (mg/L)
50
40
30
20
10
0
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020


MCC WTP Effluent Nitrogen Species
NO3-N
NO2-N
NH3-N
Organic-N
Concentration (mg/L)
8
6
4
2
0
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020


MCC WTP Effluent Dissolved Solids
TDS
Sulfate
Chloride
Concentration (mg/L)
2000
1500
1000
500
0
01/01/2020
03/01/2020
05/01/2020
07/01/2020
09/01/2020
11/01/2020

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

	INFLUENT			EFFLUENT																																		
	DAILY	WEEKLY		DAILY																WEEKLY												MONTHLY						
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*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																
JAN	MAX	70.3	789	489	68.1	0.0	0.0	68.1	0.0	0.15	0.41	0.41	68.0	164.3	8.0	1.8	1.8	1.8	0.870	4.0	99.6	2.0	99.8	3.5	3.5	0.06	0.52	0.90	0.81	4.09	4.9	1.9	1,036	243	285	0.33	0.12
	AVG	56.8	410	466	54.2	0.0	0.0	54.2	0.0	0.09	0.20	0.05	66.2	138.2	7.6	1.8	1.8	1.8	0.085	2.6	99.4	1.4	99.6	2.8	2.8	0.03	0.22	0.77	0.54	3.55	4.9	1.9	1,036	243	285	0.33	0.12
	MIN	49.6	255	453	34.9	0.0	0.0	34.9	0.0	0.04	0.08	0.00	65.3	109.2	6.9	1.8	1.8	1.8	0.049	1.9	99.1	0.9	99.2	2.0	2.0	0.02	0.09	0.60	0.08	2.65	4.9	1.9	1,036	243	285	0.33	0.12
FEB	MAX	79.7	305	512	65.1	0.0	0.0	65.1	0.0	0.19	0.49	4.53	68.8	163.2	7.8	1.8	1.8	1.8	0.049	1.9	99.6	2.0	99.7	3.1	3.1	0.02	0.18	0.95	0.84	4.04	4.9	1.6	960	199	279	0.37	0.08
	AVG	59.1	276	425	51.5	0.0	0.0	51.5	0.0	0.16	0.30	0.66	66.5	136.3	7.5	1.8	1.8	1.8	0.049	1.9	99.5	1.2	99.6	2.3	2.3	0.02	0.12	0.79	0.67	3.13	4.9	1.6	960	199	279	0.37	0.08
	MIN	48.4	226	312	19.5	0.0	0.0	19.5	0.0	0.11	0.14	0.00	65.8	104.0	7.0	1.8	1.8	1.8	0.049	1.9	99.4	0.9	99.3	1.9	1.9	0.02	0.09	0.64	0.46	2.75	4.9	1.6	960	199	279	0.37	0.08
MAR	MAX	72.9	280	468	103.3	0.0	41.6	103.3	0.0	0.15	0.45	0.51	68.6	200.0	7.8	1.8	1.8	1.8	0.049	5.0	99.6	17.0	99.7	3.1	3.1	0.05	0.39	1.39	1.03	4.02	4.9	0.1	904	139	222	0.32	0.05
	AVG	48.7	205	207	51.2	0.0	3.0	48.2	0.0	0.05	0.15	0.05	66.2	161.7	7.5	1.8	1.8	1.8	0.049	3.0	97.4	7.2	95.9	2.2	2.2	0.03	0.24	0.91	0.67	3.15	4.9	0.1	904	139	222	0.32	0.05
	MIN	31.1	149	37	16.5	0.0	0.0	10.4	0.0	0.02	0.03	0.00	65.8	113.2	7.2	1.8	1.8	1.8	0.049	1.9	94.6	0.9	91.1	1.6	1.6	0.02	0.09	0.21	0.06	2.24	4.9	0.1	904	139	222	0.32	0.05
APR	MAX	69.5	133	201	72.3	0.0	55.4	70.0	0.0	0.13	0.49	2.19	67.2	200.0	8.0	1.8	1.8	1.8	2.200	8.0	98.8	3.0	99.3	2.3	2.3	0.03	0.22	0.72	0.63	2.94	4.9	5.7	1,264	345	299	0.47	0.19
	AVG	47.4	130	169	41.9	0.0	9.1	32.7	0.0	0.07	0.20	0.14	66.0	181.1	7.7	1.8	1.8	1.8	0.121	4.2	97.4	1.4	99.0	0.9	0.9	0.02	0.12	0.58	0.46	1.51	4.9	5.7	1,264	345	299	0.47	0.19
	MIN	29.3	127	153	24.1	0.0	2.2	0.0	0.0	0.02	0.03	0.00	65.5	132.5	7.2	1.8	1.8	1.8	0.049	2.0	94.8	0.9	97.7	0.0	0.0	0.02	0.09	0.39	0.26	0.43	4.9	5.7	1,264	345	299	0.47	0.19
MAY	MAX	60.8	255	512	59.5	0.0	36.9	54.9	0.0	0.18	0.49	1.48	74.7	198.0	7.8	1.8	1.8	1.8	0.130	5.0	99.0	2.0	99.4	1.3	1.3	0.02	0.90	1.13	0.96	2.21	4.9	2.0	1,644	363	267	0.61	0.05
	AVG	45.3	174	311	44.1	0.0	19.3	24.8	0.0	0.11	0.31	0.30	67.1	177.7	7.6	1.8	1.8	1.8	0.052	3.5	98.8	1.5	99.2	0.4	0.3	0.02	0.46	0.97	0.51	1.32	4.9	2.0	1,644	363	267	0.61	0.05
	MIN	38.1	140	208	0.3	0.0	0.0	0.0	0.0	0.05	0.08	0.00	62.9	150.1	7.3	1.8	1.8	1.8	0.049	3.0	98.6	0.9	98.7	0.0	0.0	0.02	0.17	0.73	0.02	0.77	4.9	2.0	1,644	363	267	0.61	0.05
JUN	MAX	63.6	211	355	51.4	0.0	9.1	50.7	0.0	0.19	0.49	1.27	75.8	194.8	8.0	1.8	1.8	1.8	1.200	5.0	99.4	1.0	99.5	0.2	0.2	0.02	0.23	3.24	3.15	3.28	4.9	0.4	972	256	297	0.49	0.19
	AVG	50.6	178	281	32.5	0.0	2.2	30.2	0.0	0.09	0.31	0.30	71.0	147.1	7.6	1.8	1.8	1.8	0.095	3.3	98.7	1.0	99.4	0.1	0.1	0.02	0.15	1.39	1.25	1.48	4.9	0.4	972	256	297	0.49	0.19
	MIN	40.0	140	186	1.6	0.0	0.0	1.6	0.0	0.03	0.04	0.00	66.3	83.1	6.7	1.8	1.8	1.8	0.049	2.0	97.8	0.9	99.4	0.0	0.0	0.02	0.09	0.51	0.33	0.55	4.9	0.4	972	256	297	0.49	0.19
JUL	MAX	67.3	244	410	82.8	0.0	38.3	44.5	0.0	0.17	0.49	0.87	73.7	175.8	8.2	1.8	1.8	1.8	0.220	5.0	99.4	1.0	99.6	2.2	2.2	0.05	0.62	1.45	1.19	3.39	4.9	1.8	952	198	303	0.25	0.07
	AVG	50.7	185	329	50.5	0.0	23.4	27.2	0.0	0.09	0.29	0.17	70.1	153.3	7.6	1.8	1.8	1.8	0.066	3.8	98.8	0.9	99.5	0.6	0.5	0.03	0.32	1.17	0.85	1.74	4.9	1.8	952	198	303	0.25	0.07
	MIN	42.4	100	207	3.2	0.0	1.5	1.7	0.0	0.03	0.03	0.00	66.0	117.6	7.3	1.8	1.8	1.8	0.049	2.0	98.1	0.9	99.1	0.0	0.0	0.02	0.09	0.86	0.45	0.99	4.9	1.8	952	198	303	0.25	0.07
AUG	MAX	60.6	232	500	92.3	0.0	37.6	66.3	0.0	0.17	0.49	0.87	74.4	175.0	7.8	1.8	1.8	1.8	0.100	12.0	99.2	0.9	99.6	0.1	0.1	0.05	0.28	1.26	0.98	1.36	4.9	1.2	972	163	297	0.39	0.19
	AVG	47.7	221	365	47.6	0.0	24.3	23.3	0.0	0.10	0.35	0.27	69.6	154.8	7.5	1.8	1.8	1.8	0.067	6.8	98.1	0.9	99.6	0.1	0.1	0.05	0.17	0.54	0.37	0.65	4.9	1.2	972	163	297	0.39	0.19
	MIN	42.3	212	267	29.7	0.0	2.5	6.4	0.0	0.03	0.14	0.00	65.6	129.8	7.3	1.8	1.8	1.8	0.049	4.0	96.5	0.9	99.6	0.1	0.1	0.05	0.09	0.12	0.03	0.27	4.9	1.2	972	163	297	0.39	0.19
SEP	MAX	56.8	252	447	65.1	0.0	56.0	41.4	0.0	0.12	0.50	0.76	73.5	163.9	8.4	1.8	1.8	1.8	0.210	10.0	99.5	0.9	99.6	0.1	0.1	0.05	0.44	1.70	1.61	1.81	4.9	0.4	1,180	144	264	0.45	0.09
	AVG	47.4	223	362	49.1	0.0	22.7	26.5	0.0	0.07	0.36	0.27	68.5	146.9	7.5	1.8	1.8	1.8	0.070	4.6	98.7	0.9	99.6	0.1	0.1	0.05	0.24	0.99	0.75	1.10	4.9	0.4	1,180	144	264	0.45	0.09
	MIN	40.6	194	232	22.1	0.0	2.4	5.6	0.0	0.03	0.12	0.00	65.4	105.1	6.8	1.8	1.8	1.8	0.015	2.0	97.8	0.9	99.5	0.1	0.0	0.05	0.09	0.38	0.13	0.52	4.9	0.4	1,180	144	264	0.45	0.09
OCT	MAX	55.0	516	520	65.9	0.0	36.4	54.3	0.0	0.17	0.49	1.43	73.2	198.4	8.0	1.8	1.8	1.8	0.150	2.0	100.0	1.0	100.0	0.2	0.1	0.05	0.14	1.11	0.97	1.30	4.9	0.1	840	123	194	0.39	0.09
	AVG	46.6	286	397	48.1	0.0	14.9	33.2	0.0	0.12	0.34	0.41	69.7	147.6	7.4	1.8	1.8	1.8	0.070	2.0	99.9	0.9	99.9	0.1	0.1	0.05	0.12	0.67	0.55	0.79	4.9	0.1	840	123	194	0.39	0.09
	MIN	39.3	111	296	23.9	0.0	2.6	13.5	0.0	0.06	0.12	0.00	66.8	109.9	6.9	1.8	1.8	1.8	0.049	1.9	99.5	0.9	99.6	0.1	0.0	0.05	0.09	0.37	0.28	0.47	4.9	0.1	840	123	194	0.39	0.09
NOV	MAX	60.8	568	465	61.8	0.0	23.2	50.5	0.0	0.16	0.48	1.83	69.7	200.0	8.2	1.8	1.8	1.8	0.130	6.0	100.0	2.0	100.0	0.1	0.1	0.05	0.28	0.81	0.71	0.95	4.9	2.9	864	118	241	0.26	0.08
	AVG	43.0	328	339	45.0	0.0	10.2	34.8	0.0	0.05	0.22	0.25	69.6	156.5	7.4	1.8	1.8	1.8	0.054	3.5	98.9	1.2	99.7	0.1	0.1	0.05	0.14	0.73	0.59	0.86	4.9	2.9	864	118	241	0.26	0.08
	MIN	25.7	217	266	27.4	0.0	2.5	17.8	0.0	0.03	0.03	0.00	69.3	116.1	6.7	1.8	1.8	1.8	0.049	2.0	97.7	0.9	99.3	0.1	0.0	0.05	0.09	0.51	0.42	0.61	4.9	2.9	864	118	241	0.26	0.08
DEC	MAX	53.5	225	339	65.0	0.0	51.2	35.2	0.0	0.10	0.48	1.73	78.3	199.7	7.9	1.8	1.8	1.8	0.560	8.0	100.0	2.0	100.0	0.1	0.4	0.05	0.16	1.23	1.14	1.69	4.9	8.4	824	115	232	0.30	0.23
	AVG	38.6	210	291	45.0	0.0	24.6	20.4	0.0	0.04	0.19	0.16	73.0	181.7	7.5	1.8	1.8	1.8	0.083	3.2	99.6	1.1	99.8	0.1	0.2	0.05	0.10	0.92	0.81	1.14	4.9	8.4	824	115	232	0.30	0.23
	MIN	14.8	177	214	31.6	0.0	2.9	1.8	0.0	0.02	0.03	0.00	67.8	136.4	6.5	1.8	1.8	1.8	0.049	1.9	99.3	0.9	99.6	0.1	0.0	0.05	0.09	0.54	0.45	0.64	4.9	8.4	824	115	232	0.30	0.23
ANNUAL	MAX	79.7	789	520	103.3	0.0	56.0	103.3	0.0	0.19	0.50	4.53	78.3	200.0	8.4	1.8	1.8	1.8	2.200	12.0	100.0	17.0	100.0	3.5	3.5	0.06	0.90	3.24	3.15	4.09	4.9	8.4	1,644	363	303	0.61	0.23
	AVG	48.5	235	328	46.7	0.0	12.8	33.9	0.0	0.09	0.27	0.25	68.6	156.9	7.5	1.8	1.8	1.8	0.072	3.5	98.8	1.6	99.2	0.8	0.8	0.03	0.20	0.87	0.67	1.70	4.9	2.2	1,034	201	265	0.39	0.12
	MIN	14.8	100	37	0.3	0.0	0.0	0.0	0.0	0.02	0.03	0.00	62.9	83.1	6.5	1.8	1.8	1.8	0.015	1.9	94.6	0.9	91.1	0.0	0.0	0.02	0.09	0.12	0.02	0.27	4.9	0.1	824	115	194	0.25	0.05

		Mgal
ANNUAL	TOTAL	17.7

Mgal	*Mgal*	*Mgal*	*Mgal*	*Mgal*
17.1	0.0	4.7	12.4	0.0

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

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
01/01/2020	Wed	49.6			42.3	0.0	0.0	42.3	0.0	0.05	0.13	0.00	66.4	161.0	7.6	1.79	1.79	1.79	0.049																			
01/02/2020	Thu	68.1	255	457	61.9	0.0	0.0	61.9	0.0	0.05	0.15	0.00	66.6	146.1	7.5	1.79	1.79	1.79	0.049	3.0	99.3	0.9	99.6	2.8	2.8	0.06	0.29	0.85	0.56	3.66							
01/03/2020	Fri	60.1			67.3	0.0	0.0	67.3	0.0	0.07	0.28	0.10	66.5	121.6	7.5	1.79	1.79	1.79	0.049																			
01/04/2020	Sat	55.9			62.0	0.0	0.0	62.0	0.0	0.07	0.16	0.00	66.2	135.0	7.6	1.79	1.79	1.79	0.049																			
01/05/2020	Sun	52.1			65.8	0.0	0.0	65.8	0.0	0.08	0.11	0.00	66.2	136.3	7.7	1.79	1.79	1.79	0.049																			
01/06/2020	Mon	54.2			41.8	0.0	0.0	41.8	0.0	0.08	0.11	0.00	65.5	140.2	7.7	1.79	1.79	1.79	0.049																			
01/07/2020	Tue	53.2	264	465	35.2	0.0	0.0	35.2	0.0	0.09	0.40	0.10	66.2	153.2	7.7	1.79	1.79	1.79	0.049																4.9	1.9	1,036	243	285	0.33	0.12
01/08/2020	Wed	61.2			34.9	0.0	0.0	34.9	0.0	0.08	0.19	0.00	66.0	138.6	7.7	1.79	1.79	1.79	0.049	4.0	99.1	2.0	99.2	2.8	2.8	0.02	0.12	0.87	0.75	3.68							
01/09/2020	Thu	55.3			56.8	0.0	0.0	56.8	0.0	0.07	0.27	0.10	66.0	143.1	7.7	1.79	1.79	1.79	0.049																			
01/10/2020	Fri	70.3			60.5	0.0	0.0	60.5	0.0	0.05	0.11	0.00	66.2	141.4	7.3	1.79	1.79	1.79	0.049																			
01/11/2020	Sat	53.0			60.4	0.0	0.0	60.4	0.0	0.05	0.13	0.00	66.0	137.7	7.5	1.79	1.79	1.79	0.049																			
01/12/2020	Sun	51.7			62.5	0.0	0.0	62.5	0.0	0.05	0.08	0.00	65.8	164.3	7.7	1.79	1.79	1.79	0.049																			
01/13/2020	Mon	59.7			56.7	0.0	0.0	56.7	0.0	0.04	0.11	0.00	65.9	152.4	7.6	1.79	1.79	1.79	0.049																			
01/14/2020	Tue	54.4	418	453	50.3	0.0	0.0	50.3	0.0	0.04	0.20	0.00	66.0	136.5	7.5	1.79	1.79	1.79	0.049																			
01/15/2020	Wed	53.6			49.7	0.0	0.0	49.7	0.0	0.05	0.08	0.00	65.7	142.3	7.3	1.79	1.79	1.79	0.049	1.9	99.6	1.0	99.8	2.8	2.7	0.02	0.09	0.90	0.81	3.66							
01/16/2020	Thu	56.0			50.0	0.0	0.0	50.0	0.0	0.08	0.15	0.00	65.5	136.7	7.5	1.79	1.79	1.79	0.049																			
01/17/2020	Fri	57.2			50.2	0.0	0.0	50.2	0.0	0.10	0.12	0.00	66.3	109.2	7.6	1.79	1.79	1.79	0.049																			
01/18/2020	Sat	53.7			49.8	0.0	0.0	49.8	0.0	0.12	0.17	0.00	65.9	138.2	7.6	1.79	1.79	1.79	0.049																			
01/19/2020	Sun	56.9			50.3	0.0	0.0	50.3	0.0	0.12	0.16	0.00	66.2	134.2	8.0	1.79	1.79	1.79	0.049																			
01/20/2020	Mon	65.6			68.1	0.0	0.0	68.1	0.0	0.11	0.15	0.00	66.3	123.0	7.5	1.79	1.79	1.79	0.049																			
01/21/2020	Tue	55.3	789	489	57.4	0.0	0.0	57.4	0.0	0.09	0.31	0.10	67.1	137.4	7.8	1.79	1.79	1.79	0.049																			
01/22/2020	Wed	51.6			47.9	0.0	0.0	47.9	0.0	0.08	0.38	0.31	68.0	130.7	7.3	1.79	1.79	1.79	0.870	1.9	99.6	2.0	99.7	3.5	3.5	0.02	0.52	0.60	0.08	4.09							
01/23/2020	Thu	58.8			56.6	0.0	0.0	56.6	0.0	0.09	0.14	0.00	66.0	133.2	7.4	1.79	1.79	1.79	0.290																			
01/24/2020	Fri	57.8			47.5	0.0	0.0	47.5	0.0	0.12	0.39	0.10	67.9	136.4	7.7	1.79	1.79	1.79	0.090																			
01/25/2020	Sat	60.2			49.8	0.0	0.0	49.8	0.0	0.13	0.15	0.00	66.2	142.5	6.9	1.79	1.79	1.79	0.049																			
01/26/2020	Sun	54.0			50.6	0.0	0.0	50.6	0.0	0.13	0.41	0.25	65.3	135.3	7.7	1.79	1.79	1.79	0.049																			
01/27/2020	Mon	70.1			58.0	0.0	0.0	58.0	0.0	0.14	0.19	0.00	66.3	137.9	7.3	1.79	1.79	1.79	0.049																			
01/28/2020	Tue	52.5	324	464	66.1	0.0	0.0	66.1	0.0	0.12	0.34	0.10	65.9	117.1	7.8	1.79	1.79	1.79	0.049																			
01/29/2020	Wed	50.8			57.1	0.0	0.0	57.1	0.0	0.13	0.15	0.00	66.1	132.5	7.6	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.7	2.0	2.0	0.03	0.10	0.62	0.52	2.65							
01/30/2020	Thu	52.8			56.4	0.0	0.0	56.4	0.0	0.14	0.28	0.41	66.5	153.4	7.5	1.79	1.79	1.79	0.049																			
01/31/2020	Fri	56.0			54.9	0.0	0.0	54.9	0.0	0.15	0.16	0.00	66.2	136.8	7.5	1.79	1.79	1.79	0.049																			
TOTAL		1,762			1,678.7	0.0	0.0	1,678.7	0.0																													
MAX		70.3	789	489	68.1	0.0	0.0	68.1	0.0	0.15	0.41	0.41	68.0	164.3	8.0	1.79	1.79	1.79	0.870	4.0	99.6	2.0	99.8	3.5	3.5	0.06	0.52	0.90	0.81	4.09	4.9	1.9	1,036	243	285	0.33	0.12
AVG		56.8	410	466	54.2	0.0	0.0	54.2	0.0	0.09	0.20	0.05	66.2	138.2	7.6	1.79	1.79	1.79	0.085	2.6	99.4	1.4	99.6	2.8	2.8	0.03	0.22	0.77	0.54	3.55	4.9	1.9	1,036	243	285	0.33	0.12
MIN		49.6	255	453	34.9	0.0	0.0	34.9	0.0	0.04	0.08	0.00	65.3	109.2	6.9	1.8	1.79	1.79	0.049	1.9	99.1	0.9	99.2	2.0	2.0	0.02	0.09	0.60	0.08	2.65	4.9	1.9	1,036	243	285	0.33	0.12

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

	INFLUENT			EFFLUENT																																
	DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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															
02/01/2020	Sat	56.5			49.9	0.0	0.0	49.9	0.0	0.16	0.31	0.31	66.0	151.9	7.6	1.79	1.79	1.79	0.049																		
02/02/2020	Sun	51.8			48.5	0.0	0.0	48.5	0.0	0.16	0.31	0.20	65.9	140.3	7.6	1.79	1.79	1.79	0.049																		
02/03/2020	Mon	70.2			49.5	0.0	0.0	49.5	0.0	0.16	0.24	0.20	66.2	146.1	7.4	1.79	1.79	1.79	0.049															4.9	1.6	960	199	279	0.37	0.08
02/04/2020	Tue	54.6	305	465	52.7	0.0	0.0	52.7	0.0	0.13	0.22	0.10	65.9	125.2	7.5	1.79	1.79	1.79	0.049																		
02/05/2020	Wed	55.4			64.5	0.0	0.0	64.5	0.0	0.12	0.14	0.00	66.0	122.6	7.4	1.79	1.79	1.79	0.049	1.9	99.6	0.9	99.7	3.1	3.1	0.02	0.11	0.95	0.84	4.04								
02/06/2020	Thu	58.8			49.5	0.0	0.0	49.5	0.0	0.14	0.20	0.05	65.8	122.4	7.3	1.79	1.79	1.79	0.049																		
02/07/2020	Fri	58.5			45.0	0.0	0.0	45.0	0.0	0.15	0.31	0.31	65.9	127.2	7.6	1.79	1.79	1.79	0.049																		
02/08/2020	Sat	61.5			45.4	0.0	0.0	45.4	0.0	0.13	0.16	0.00	66.1	132.1	7.6	1.79	1.79	1.79	0.049																		
02/09/2020	Sun	48.4			48.1	0.0	0.0	48.1	0.0	0.13	0.23	0.20	65.9	139.7	7.5	1.79	1.79	1.79	0.049																		
02/10/2020	Mon	74.8			55.1	0.0	0.0	55.1	0.0	0.11	0.15	0.00	66.3	163.2	7.6	1.79	1.79	1.79	0.049																		
02/11/2020	Tue	54.4	294	512	58.0	0.0	0.0	58.0	0.0	0.11	0.34	0.10	65.8	136.4	7.6	1.79	1.79	1.79	0.049																		
02/12/2020	Wed	53.6			65.1	0.0	0.0	65.1	0.0	0.15	0.24	0.10	66.0	131.9	7.6	1.79	1.79	1.79	0.049	1.9	99.6	2.0	99.3	1.9	1.9	0.02	0.09	0.88	0.79	2.75								
02/13/2020	Thu	53.9			62.9	0.0	0.0	62.9	0.0	0.18	0.27	0.31	66.2	149.4	7.5	1.79	1.79	1.79	0.049																		
02/14/2020	Fri	59.3			60.0	0.0	0.0	60.0	0.0	0.19	0.31	0.76	66.9	139.0	7.6	1.79	1.79	1.79	0.049																		
02/15/2020	Sat	61.9			58.0	0.0	0.0	58.0	0.0	0.18	0.22	4.53	66.2	114.9	7.6	1.79	1.79	1.79	0.049																		
02/16/2020	Sun	62.5			58.1	0.0	0.0	58.1	0.0	0.17	0.27	0.20	66.0	104.0	7.4	1.79	1.79	1.79	0.049																		
02/17/2020	Mon	79.7			50.4	0.0	0.0	50.4	0.0	0.18	0.41	0.41	65.9	106.7	7.4	1.79	1.79	1.79	0.049																		
02/18/2020	Tue	57.8	226	410	59.3	0.0	0.0	59.3	0.0	0.17	0.44	4.13	66.5	137.3	7.1	1.79	1.79	1.79	0.049																		
02/19/2020	Wed	58.9			60.6	0.0	0.0	60.6	0.0	0.17	0.30	0.20	66.4	123.1	7.7	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.6	2.2	2.2	0.02	0.18	0.64	0.46	2.85								
02/20/2020	Thu	55.7			61.4	0.0	0.0	61.4	0.0	0.18	0.49	1.63	66.2	130.5	7.5	1.79	1.79	1.79	0.049																		
02/21/2020	Fri	57.0			60.2	0.0	0.0	60.2	0.0	0.19	0.33	2.65	66.0	144.6	7.5	1.79	1.79	1.79	0.049																		
02/22/2020	Sat	56.1			50.4	0.0	0.0	50.4	0.0	0.17	0.29	0.31	66.3	152.1	7.5	1.79	1.79	1.79	0.049																		
02/23/2020	Sun	58.1			40.9	0.0	0.0	40.9	0.0	0.16	0.23	0.31	67.0	153.9	7.5	1.79	1.79	1.79	0.049																		
02/24/2020	Mon	73.2			45.9	0.0	0.0	45.9	0.0	0.16	0.21	0.20	67.3	150.7	7.2	1.79	1.79	1.79	0.049																		
02/25/2020	Tue	54.6			64.2	0.0	0.0	64.2	0.0	0.16	0.24	0.15	68.8	145.3	7.1	1.79	1.79	1.79	0.049																		
02/26/2020	Wed	54.4	278	312	19.5	0.0	0.0	19.5	0.0	0.17	0.37	0.66	67.9	122.7	7.5	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.7	2.2	2.2	0.02	0.09	0.67	0.58	2.87							
02/27/2020	Thu	54.6			19.6	0.0	0.0	19.6	0.0	0.16	0.42	0.41	67.9	149.7	7.8	1.79	1.79	1.79	0.049																		
02/28/2020	Fri	57.8			50.1	0.0	0.0	50.1	0.0	0.15	0.49	0.46	68.5	144.9	7.0	1.79	1.79	1.79	0.049																		
02/29/2020	Sat	60.4			39.6	0.0	0.0	39.6	0.0	0.15	0.42	0.31	66.3	145.6	7.2	1.79	1.79	1.79	0.049																		
TOTAL	1,714			1,492.4	0.0	0.0	1,492.4	0.0																													
MAX	79.7	305	512	65.1	0.0	0.0	65.1	0.0	0.19	0.49	4.53	68.8	163.2	7.8	1.79	1.79	1.79	0.049	1.9	99.6	2.0	99.7	3.1	3.1	0.02	0.18	0.95	0.84	4.04	4.9	1.6	960	199	279	0.37	0.08
AVG	59.1	276	425	51.5	0.0	0.0	51.5	0.0	0.16	0.30	0.66	66.5	136.3	7.5	1.79	1.79	1.79	0.049	1.9	99.5	1.2	99.6	2.3	2.3	0.02	0.12	0.79	0.67	3.13	4.9	1.6	960	199	279	0.37	0.08
MIN	48.4	226	312	19.5	0.0	0.0	19.5	0.0	0.11	0.14	0.00	65.8	104.0	7.0	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.3	1.9	1.9	0.02	0.09	0.64	0.46	2.75	4.9	1.6	960	199	279	0.37	0.08

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

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
03/01/2020	Sun	54.6			41.7	0.0	0.0	41.7	0.0	0.15	0.38	0.25	66.1	152.9	7.6	1.79	1.79	1.79	0.049																			
03/02/2020	Mon	72.9			57.7	0.0	0.0	57.7	0.0	0.10	0.16	0.00	66.1	148.3	7.3	1.79	1.79	1.79	0.049																			
03/03/2020	Tue	58.9	280	37	64.3	0.0	6.9	57.4	0.0	0.08	0.20	0.05	66.0	121.3	7.3	1.79	1.79	1.79	0.049																			
03/04/2020	Wed	51.9			64.1	0.0	0.0	64.1	0.0	0.08	0.39	0.20	67.4	139.9	7.4	1.79	1.79	1.79	0.049	2.0	94.6	0.9	99.7	2.0	2.0	0.05	0.15	0.21	0.06	2.24							
03/05/2020	Thu	54.0			63.9	0.0	14.2	49.7	0.0	0.11	0.13	0.00	65.9	121.4	7.4	1.79	1.79	1.79	0.049													4.9	0.1	904	139	222	0.32	0.05
03/06/2020	Fri	60.6			52.0	0.0	41.6	10.4	0.0	0.11	0.16	0.00	65.9	144.9	7.3	1.79	1.79	1.79	0.049																			
03/07/2020	Sat	57.0			48.4	0.0	0.0	48.4	0.0	0.09	0.27	0.10	66.0	152.2	7.4	1.79	1.79	1.79	0.049																			
03/08/2020	Sun	57.4			33.1	0.0	17.9	15.2	0.0	0.09	0.13	0.00	66.0	142.2	7.6	1.79	1.79	1.79	0.049																			
03/09/2020	Mon	70.3			47.1	0.0	12.6	34.5	0.0	0.08	0.10	0.00	66.4	139.6	7.6	1.79	1.79	1.79	0.049																			
03/10/2020	Tue	49.4			64.1	0.0	0.0	64.1	0.0	0.05	0.14	0.00	66.2	131.7	7.2	1.79	1.79	1.79	0.049																			
03/11/2020	Wed	50.6	258	468	56.7	0.0	0.0	56.7	0.0	0.04	0.08	0.00	65.8	157.3	7.4	1.79	1.79	1.79	0.049	1.9	99.6	1.0	99.6	1.6	1.6	0.03	0.09	1.12	1.03	2.72							
03/12/2020	Thu	60.4			43.5	0.0	0.0	43.5	0.0	0.04	0.11	0.00	65.9	160.9	7.4	1.79	1.79	1.79	0.049																			
03/13/2020	Fri	67.3			74.4	0.0	0.0	74.4	0.0	0.04	0.08	0.00	65.9	113.2	7.6	1.79	1.79	1.79	0.049																			
03/14/2020	Sat	57.2			71.8	0.0	0.0	71.8	0.0	0.02	0.12	0.00	66.0	119.1	7.3	1.79	1.79	1.79	0.049																			
03/15/2020	Sun	52.5			66.1	0.0	0.0	66.1	0.0	0.02	0.05	0.00	66.0	120.9	7.3	1.79	1.79	1.79	0.049																			
03/16/2020	Mon	43.7			48.1	0.0	0.0	48.1	0.0	0.02	0.03	0.00	66.1	154.2	7.5	1.79	1.79	1.79	0.049																			
03/17/2020	Tue	42.3	190	114	45.0	0.0	0.0	45.0	0.0	0.02	0.20	0.05	66.5	167.8	7.5	1.79	1.79	1.79	0.049																			
03/18/2020	Wed	39.3			46.2	0.0	0.0	46.2	0.0	0.02	0.05	0.00	65.8	183.5	7.4	1.79	1.79	1.79	0.049	3.0	97.4	17.0	91.1	2.2	2.2	0.02	0.39	1.39	1.00	3.63							
03/19/2020	Thu	37.0			42.6	0.0	0.0	42.6	0.0	0.02	0.11	0.00	66.1	183.3	7.4	1.79	1.79	1.79	0.049																			
03/20/2020	Fri	53.6			42.0	0.0	0.0	42.0	0.0	0.02	0.08	0.00	66.0	198.6	7.6	1.79	1.79	1.79	0.049																			
03/21/2020	Sat	35.7			16.5	0.0	0.0	16.5	0.0	0.03	0.08	0.00	65.9	199.9	7.5	1.79	1.79	1.79	0.049																			
03/22/2020	Sun	38.6			34.3	0.0	0.0	34.3	0.0	0.03	0.05	0.00	65.9	200.0	7.6	1.79	1.79	1.79	0.049																			
03/23/2020	Mon	43.9			79.6	0.0	0.0	79.6	0.0	0.03	0.03	0.00	65.8	191.2	7.6	1.79	1.79	1.79	0.049																			
03/24/2020	Tue	37.7	150	251	103.3	0.0	0.0	103.3	0.0	0.03	0.32	0.31	65.9	175.8	7.5	1.79	1.79	1.79	0.049																			
03/25/2020	Wed	31.1			76.5	0.0	0.0	76.5	0.0	0.02	0.07	0.00	66.1	177.5	7.5	1.79	1.79	1.79	0.049	5.0	98.0	10.0	93.3	3.1	3.1	0.02	0.31	0.90	0.59	4.02							
03/26/2020	Thu	62.9			37.1	0.0	0.0	37.1	0.0	0.02	0.13	0.00	65.9	186.1	7.6	1.79	1.79	1.79	0.049																			
03/27/2020	Fri	33.0			43.9	0.0	0.0	43.9	0.0	0.02	0.13	0.00	66.0	148.4	7.7	1.79	1.79	1.79	0.049																			
03/28/2020	Sat	33.9			37.2	0.0	0.0	37.2	0.0	0.03	0.09	0.00	66.0	191.5	7.5	1.79	1.79	1.79	0.049																			
03/29/2020	Sun	32.9			29.8	0.0	0.0	29.8	0.0	0.04	0.07	0.00	65.9	199.6	7.7	1.79	1.79	1.79	0.049																			
03/30/2020	Mon	33.2			24.6	0.0	0.0	24.6	0.0	0.05	0.15	0.00	68.6	193.4	7.8	1.79	1.79	1.79	0.049																			
03/31/2020	Tue	34.5	149	164	32.4	0.0	0.0	32.4	0.0	0.05	0.45	0.51	66.5	195.8	7.6	1.79	1.79	1.79	0.049																			
TOTAL		1,508			1,588.2	0.0	93.2	1,495.0	0.0																													
MAX		72.9	280	468	103.3	0.0	41.6	103.3	0.0	0.15	0.45	0.51	68.6	200.0	7.8	1.79	1.79	1.79	0.049	5.0	99.6	17.0	99.7	3.1	3.1	0.05	0.39	1.39	1.03	4.02	4.9	0.1	904	139	222	0.32	0.05
AVG		48.7	205	207	51.2	0.0	3.0	48.2	0.0	0.05	0.15	0.05	66.2	161.7	7.5	1.79	1.79	1.79	0.049	3.0	97.4	7.2	95.9	2.2	2.2	0.03	0.24	0.91	0.67	3.15	4.9	0.1	904	139	222	0.32	0.05
MIN		31.1	149	37	16.5	0.0	0.0	10.4	0.0	0.02	0.03	0.00	65.8	113.2	7.2	1.79	1.79	1.79	0.049	1.9	94.6	0.9	91.1	1.6	1.6	0.02	0.09	0.21	0.06	2.24	4.9	0.1	904	139	222	0.32	0.05

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

	INFLUENT			EFFLUENT																																
	DAILY	WEEKLY		DAILY																	WEEKLY										MONTHLY						
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
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															
04/01/2020	Wed	35.2			27.8	0.0	2.4	25.4	0.0	0.05	0.47	0.41	66.0	200.0	7.2	1.79	1.79	1.79	0.049	2.0	98.8	1.0	99.3	0.3	0.3	0.03	0.09	0.67	0.58	0.98							
04/02/2020	Thu	52.0			37.2	0.0	12.6	24.6	0.0	0.06	0.12	0.00	65.9	189.7	7.7	1.79	1.79	1.79	0.049																		
04/03/2020	Fri	34.1			24.2	0.0	2.3	21.9	0.0	0.06	0.19	0.00	66.1	199.9	7.7	1.79	1.79	1.79	0.049												4.9	5.7	1,264	345	299	0.47	0.19
04/04/2020	Sat	33.0			34.7	0.0	2.4	32.3	0.0	0.07	0.11	0.00	66.0	199.9	7.7	1.79	1.79	1.79	0.049																		
04/05/2020	Sun	29.3			51.9	0.0	23.9	28.0	0.0	0.09	0.18	0.00	66.2	199.9	7.7	1.79	1.79	1.79	0.049																		
04/06/2020	Mon	47.2			32.4	0.0	3.3	29.2	0.0	0.09	0.17	0.00	65.9	132.5	7.6	1.79	1.79	1.79	0.049																		
04/07/2020	Tue	35.0	130	201	48.8	0.0	2.3	46.5	0.0	0.06	0.13	0.00	66.0	133.9	7.7	1.79	1.79	1.79	0.049																		
04/08/2020	Wed	33.7			37.9	0.0	2.3	35.5	0.0	0.04	0.12	0.00	66.2	185.6	7.7	1.79	1.79	1.79	0.049	4.0	98.0	0.9	99.3	1.9	1.9	0.02	0.22	0.51	0.29	2.41							
04/09/2020	Thu	60.7			72.3	0.0	2.3	70.0	0.0	0.03	0.04	0.00	65.9	163.8	7.6	1.79	1.79	1.79	0.049																		
04/10/2020	Fri	48.7			66.3	0.0	2.4	63.9	0.0	0.02	0.03	0.00	67.2	168.4	7.6	1.79	1.79	1.79	0.049																		
04/11/2020	Sat	46.3			39.0	0.0	2.3	36.8	0.0	0.03	0.49	2.19	66.9	172.3	7.6	1.79	1.79	1.79	0.049																		
04/12/2020	Sun	32.8			43.1	0.0	2.4	40.7	0.0	0.02	0.08	0.00	65.5	183.9	7.8	1.79	1.79	1.79	0.049																		
04/13/2020	Mon	57.1			39.8	0.0	2.3	37.5	0.0	0.03	0.49	0.66	65.9	175.0	7.8	1.79	1.79	1.79	0.049																		
04/14/2020	Tue	38.0	133	159	46.7	0.0	2.2	44.6	0.0	0.03	0.45	0.25	65.9	147.2	7.6	1.79	1.79	1.79	0.049																		
04/15/2020	Wed	41.6			42.7	0.0	2.3	40.4	0.0	0.03	0.05	0.00	65.9	179.5	7.4	1.79	1.79	1.79	0.049	2.0	98.7	0.9	99.3	2.3	2.3	0.02	0.09	0.62	0.53	2.94							
04/16/2020	Thu	37.7			37.3	0.0	2.4	34.9	0.0	0.03	0.17	0.00	65.8	184.3	7.8	1.79	1.79	1.79	0.049																		
04/17/2020	Fri	55.8			33.4	0.0	2.3	31.1	0.0	0.05	0.07	0.00	65.9	192.9	7.7	1.79	1.79	1.79	0.049																		
04/18/2020	Sat	57.5			37.0	0.0	2.2	34.7	0.0	0.06	0.11	0.00	66.0	190.0	7.7	1.79	1.79	1.79	0.049																		
04/19/2020	Sun	60.0			33.7	0.0	2.4	31.4	0.0	0.07	0.15	0.00	65.8	196.2	7.8	1.79	1.79	1.79	0.049																		
04/20/2020	Mon	58.5			33.4	0.0	2.4	31.0	0.0	0.07	0.12	0.00	65.9	196.6	7.7	1.79	1.79	1.79	0.049																		
04/21/2020	Tue	48.9	128	161	39.0	0.0	11.1	27.8	0.0	0.08	0.35	0.15	65.9	198.2	7.7	1.79	1.79	1.79	2.200																		
04/22/2020	Wed	69.5			34.7	0.0	2.4	32.3	0.0	0.08	0.12	0.00	65.8	197.9	7.2	1.79	1.79	1.79	0.049	5.0	96.9	3.0	97.7	0.1	0.1	0.02	0.09	0.72	0.63	0.79							
04/23/2020	Thu	58.7			47.4	0.0	20.6	26.8	0.0	0.10	0.14	0.00	65.7	197.8	7.2	1.79	1.79	1.79	0.049																		
04/24/2020	Fri	55.3			24.1	0.0	2.3	21.8	0.0	0.12	0.22	0.05	66.0	199.9	7.8	1.79	1.79	1.79	0.049																		
04/25/2020	Sat	58.0			43.9	0.0	3.0	40.9	0.0	0.11	0.18	0.00	65.7	143.5	7.7	1.79	1.79	1.79	0.049																		
04/26/2020	Sun	54.3			54.7	0.0	22.2	32.5	0.0	0.12	0.27	0.15	66.3	179.9	7.8	1.79	1.79	1.79	0.049																		
04/27/2020	Mon	51.9			39.9	0.0	26.2	13.7	0.0	0.13	0.23	0.10	66.0	167.3	8.0	1.79	1.79	1.79	0.049																		
04/28/2020	Tue	49.1	127	153	52.7	0.0	21.2	31.5	0.0	0.12	0.30	0.10	66.8	164.5	7.6	1.79	1.79	1.79	0.049																		
04/29/2020	Wed	37.9			55.4	0.0	55.4	0.0	0.0	0.12	0.16	0.00	66.0	195.5	7.9	1.79	1.79	1.79	0.049	8.0	94.8	1.0	99.2	0.0	0.0	0.02	0.13	0.39	0.26	0.43							
04/30/2020	Thu	42.7			44.6	0.0	30.5	14.1	0.0	0.13	0.39	0.20	65.9	196.8	7.9	1.79	1.79	1.79	0.049																		
TOTAL	1,421			1,256.0	0.0	274.3	981.7	0.0																												
MAX	69.5	133	201	72.3	0.0	55.4	70.0	0.0	0.13	0.49	2.19	67.2	200.0	8.0	1.79	1.79	1.79	2.200	8.0	98.8	3.0	99.3	2.3	2.3	0.03	0.22	0.72	0.63	2.94	4.9	5.7	1,264	345	299	0.47	0.19
AVG	47.4	130	169	41.9	0.0	9.1	32.7	0.0	0.07	0.20	0.14	66.0	181.1	7.7	1.79	1.79	1.79	0.121	4.2	97.4	1.4	99.0	0.9	0.9	0.02	0.12	0.58	0.46	1.51	4.9	5.7	1,264	345	299	0.47	0.19
MIN	29.3	127	153	24.1	0.0	2.2	0.0	0.0	0.02	0.03	0.00	65.5	132.5	7.2	1.79	1.79	1.79	0.049	2.0	94.8	0.9	97.7	0.0	0.0	0.02	0.09	0.39	0.26	0.43	4.9	5.7	1,264	345	299	0.47	0.19

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

	INFLUENT			EFFLUENT																																
	DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15						
Limit 3															240	med			45		45															
05/01/2020	Fri	60.8			54.9	0.0	0.0	54.9	0.0	0.13	0.20	0.10	66.2	155.5	7.8	1.79	1.79	1.79	0.049																		
05/02/2020	Sat	40.8			0.3	0.0	0.3	0.0	0.0	0.12	0.26	0.15	66.9	156.0	7.8	1.79	1.79	1.79	0.049																		
05/03/2020	Sun	40.6			38.0	0.0	20.8	17.2	0.0	0.12	0.19	0.00	66.6	190.2	7.7	1.79	1.79	1.79	0.049																		
05/04/2020	Mon	47.9			32.1	0.0	16.9	15.1	0.0	0.13	0.15	0.00	66.2	173.7	7.7	1.79	1.79	1.79	0.049																4.9	2.0	1,644	363	267	0.61	0.05
05/05/2020	Tue	42.0	140	512	42.2	0.0	19.3	22.9	0.0	0.15	0.49	0.41	65.8	178.4	7.7	1.79	1.79	1.79	0.049																		
05/06/2020	Wed	42.8			48.9	0.0	22.5	26.4	0.0	0.15	0.18	0.00	65.7	177.5	7.4	1.79	1.79	1.79	0.049	5.0	99.0	0.9	99.4	0.0	0.0	0.02	0.18	0.73	0.55	0.77							
05/07/2020	Thu	43.3			25.5	0.0	19.3	6.2	0.0	0.12	0.16	0.00	65.6	179.6	7.8	1.79	1.79	1.79	0.049																		
05/08/2020	Fri	54.5			35.3	0.0	35.0	0.3	0.0	0.11	0.37	0.25	66.2	170.0	7.7	1.79	1.79	1.79	0.049																		
05/09/2020	Sat	45.5			34.0	0.0	0.6	33.4	0.0	0.12	0.18	0.00	66.2	189.3	7.6	1.79	1.79	1.79	0.049																		
05/10/2020	Sun	42.5			49.1	0.0	19.2	30.0	0.0	0.16	0.31	0.20	66.4	198.0	7.7	1.79	1.79	1.79	0.049																		
05/11/2020	Mon	43.9			43.7	0.0	36.9	6.8	0.0	0.18	0.22	0.15	66.1	195.8	7.7	1.79	1.79	1.79	0.049																		
05/12/2020	Tue	47.0	148	208	58.1	0.0	23.2	34.9	0.0	0.17	0.27	0.15	66.5	194.6	7.7	1.79	1.79	1.79	0.049																		
05/13/2020	Wed	45.1			49.9	0.0	28.3	21.6	0.0	0.18	0.26	0.31	66.4	194.0	7.7	1.79	1.79	1.79	0.049	3.0	98.6	0.9	99.4	0.0	0.0	0.02	0.17	1.13	0.96	1.17							
05/14/2020	Thu	54.2			48.4	0.0	21.7	26.7	0.0	0.14	0.34	1.22	66.0	184.1	7.7	1.79	1.79	1.79	0.049																		
05/15/2020	Fri	46.0			48.4	0.0	24.6	23.8	0.0	0.14	0.25	0.31	66.2	173.1	7.6	1.79	1.79	1.79	0.049																		
05/16/2020	Sat	46.7			45.7	0.0	2.4	43.3	0.0	0.15	0.31	0.97	66.2	185.8	7.6	1.79	1.79	1.79	0.049																		
05/17/2020	Sun	46.2			53.2	0.0	21.5	31.7	0.0	0.16	0.37	0.61	66.0	181.2	7.7	1.79	1.79	1.79	0.049																		
05/18/2020	Mon	41.8			46.0	0.0	30.6	15.4	0.0	0.15	0.41	1.48	65.8	159.4	7.8	1.79	1.79	1.79	0.049																		
05/19/2020	Tue	40.5	154	226	58.6	0.0	20.7	37.9	0.0	0.12	0.15	0.00	65.6	185.8	7.6	1.79	1.79	1.79	0.049																		
05/20/2020	Wed	46.0			36.7	0.0	12.2	24.4	0.0	0.08	0.42	0.36	66.0	184.1	7.8	1.79	1.79	1.79	0.049	3.0	98.7	2.0	98.7	1.3	1.3	0.02	0.90	0.92	0.02	2.21							
05/21/2020	Thu	42.3			54.2	0.0	20.8	33.4	0.0	0.08	0.30	0.20	66.0	170.4	7.3	1.79	1.79	1.79	0.049																		
05/22/2020	Fri	55.3			41.9	0.0	31.3	10.6	0.0	0.08	0.45	0.31	70.3	180.1	7.7	1.79	1.79	1.79	0.049																		
05/23/2020	Sat	46.5			42.3	0.0	3.0	39.3	0.0	0.07	0.38	0.25	74.7	174.4	7.5	1.79	1.79	1.79	0.049																		
05/24/2020	Sun	42.6			59.5	0.0	20.9	38.6	0.0	0.07	0.37	0.31	71.0	174.4	7.7	1.79	1.79	1.79	0.049																		
05/25/2020	Mon	42.0			38.4	0.0	29.5	8.8	0.0	0.07	0.45	0.36	70.5	178.3	7.7	1.79	1.79	1.79	0.049																		
05/26/2020	Tue	44.4	255	299	53.0	0.0	21.3	31.8	0.0	0.06	0.39	0.20	70.3	177.9	7.6	1.79	1.79	1.79	0.130																		
05/27/2020	Wed	43.1			39.1	0.0	28.3	10.7	0.0	0.05	0.48	0.31	69.4	167.9	7.4	1.79	1.79	1.79	0.049	3.0	99.0	2.0	99.2	0.0	0.0	0.02	0.59	1.11	0.52	1.15							
05/28/2020	Thu	42.2			57.3	0.0	21.3	36.0	0.0	0.06	0.39	0.15	68.3	179.6	7.7	1.79	1.79	1.79	0.049																		
05/29/2020	Fri	44.3			38.8	0.0	22.5	16.4	0.0	0.06	0.46	0.25	67.9	179.8	7.6	1.79	1.79	1.79	0.049																		
05/30/2020	Sat	46.9			39.8	0.0	2.6	37.2	0.0	0.06	0.37	0.36	66.0	168.5	7.6	1.79	1.79	1.79	0.049																		
05/31/2020	Sun	38.1			55.0	0.0	21.9	33.1	0.0	0.07	0.08	0.00	62.9	150.1	7.5	1.79	1.79	1.79	0.049																		
TOTAL	1,406			1,368.0	0.0	599.2	768.8	0.0																												
MAX	60.8	255	512	59.5	0.0	36.9	54.9	0.0	0.18	0.49	1.48	74.7	198.0	7.8	1.79	1.79	1.79	0.130	5.0	99.0	2.0	99.4	1.3	1.3	0.02	0.90	1.13	0.96	2.21	4.9	2.0	1,644	363	267	0.61	0.05
AVG	45.3	174	311	44.1	0.0	19.3	24.8	0.0	0.11	0.31	0.30	67.1	177.7	7.6	1.79	1.79	1.79	0.052	3.5	98.8	1.5	99.2	0.4	0.3	0.02	0.46	0.97	0.51	1.32	4.9	2.0	1,644	363	267	0.61	0.05
MIN	38.1	140	208	0.3	0.0	0.0	0.0	0.0	0.05	0.08	0.00	62.9	150.1	7.3	1.79	1.79	1.79	0.049	3.0	98.6	0.9	98.7	0.0	0.0	0.02	0.17	0.73	0.02	0.77	4.9	2.0	1,644	363	267	0.61	0.05

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

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
06/01/2020	Mon	40.0			22.6	0.0	1.4	21.1	0.0	0.07	0.08	0.00	70.9	190.1	7.5	1.79	1.79	1.79	1.200																			
06/02/2020	Tue	41.1	172	186	35.9	0.0	3.7	32.2	0.0	0.07	0.39	0.15	72.5	184.2	7.4	1.79	1.79	1.79	0.290																			
06/03/2020	Wed	44.7			12.7	0.0	0.0	12.7	0.0	0.06	0.21	0.05	70.8	189.7	7.6	1.79	1.79	1.79	0.049	4.0	97.8	1.0	99.4	0.0	0.0	0.02	0.09	3.24	3.15	3.28	4.9	0.4	972	256	297	0.49	0.19
06/04/2020	Thu	50.0			44.6	0.0	8.0	36.6	0.0	0.09	0.39	0.41	70.1	171.5	7.6	1.79	1.79	1.79	0.049																			
06/05/2020	Fri	61.6			42.0	0.0	9.1	32.9	0.0	0.08	0.16	0.00	69.6	119.3	7.7	1.79	1.79	1.79	0.049																			
06/06/2020	Sat	47.0			50.7	0.0	0.0	50.7	0.0	0.09	0.41	0.20	70.6	125.9	7.6	1.79	1.79	1.79	0.049																			
06/07/2020	Sun	54.1			44.2	0.0	0.0	44.2	0.0	0.11	0.25	0.20	70.6	134.8	7.7	1.79	1.79	1.79	0.049																			
06/08/2020	Mon	49.1			18.0	0.0	7.3	10.7	0.0	0.10	0.44	0.31	70.8	133.8	7.7	1.79	1.79	1.79	0.049																			
06/09/2020	Tue	47.7			43.2	0.0	0.8	42.4	0.0	0.03	0.04	0.00	69.5	165.0	7.7	1.79	1.79	1.79	0.049																			
06/10/2020	Wed	45.9	211	210	11.5	0.0	1.0	10.5	0.0	0.04	0.12	0.00	69.6	169.8	7.8	1.79	1.79	1.79	0.049	2.0	99.0	1.0	99.5	0.0	0.0	0.02	0.18	0.51	0.33	0.55						
06/11/2020	Thu	52.5			34.3	0.0	0.2	34.1	0.0	0.06	0.38	1.27	74.4	162.4	8.0	1.79	1.79	1.79	0.049																			
06/12/2020	Fri	51.7			8.5	0.0	1.4	7.1	0.0	0.15	0.45	0.56	74.3	140.9	7.6	1.79	1.79	1.79	0.049																			
06/13/2020	Sat	59.8			51.1	0.0	1.8	49.3	0.0	0.15	0.35	0.41	74.4	152.7	7.6	1.79	1.79	1.79	0.049																			
06/14/2020	Sun	51.9			43.4	0.0	1.5	41.8	0.0	0.14	0.41	0.36	74.5	115.5	7.5	1.79	1.79	1.79	0.049																			
06/15/2020	Mon	63.6			15.1	0.0	0.6	14.5	0.0	0.11	0.14	0.00	74.4	105.3	7.8	1.79	1.79	1.79	0.049																			
06/16/2020	Tue	48.1	140	338	28.3	0.0	1.4	26.8	0.0	0.03	0.48	0.10	74.8	117.7	6.7	1.79	1.79	1.79	0.049																			
06/17/2020	Wed	47.1			1.7	0.0	0.1	1.7	0.0	0.03	0.35	0.15	74.3	154.6	7.4	1.79	1.79	1.79	0.049	5.0	98.5	0.9	99.4	0.0	0.0	0.02	0.09	1.05	0.96	1.09							
06/18/2020	Thu	45.2			26.2	0.0	0.0	26.2	0.0	0.08	0.45	0.51	72.0	168.4	7.6	1.79	1.79	1.79	0.049																			
06/19/2020	Fri	51.6			1.6	0.0	0.0	1.6	0.0	0.15	0.45	0.66	69.5	170.7	7.5	1.79	1.79	1.79	0.049																			
06/20/2020	Sat	51.5			43.1	0.0	1.5	41.6	0.0	0.16	0.40	0.71	69.4	163.2	7.7	1.79	1.79	1.79	0.049																			
06/21/2020	Sun	50.3			40.4	0.0	1.6	38.8	0.0	0.18	0.21	0.20	70.3	169.1	7.6	1.79	1.79	1.79	0.049																			
06/22/2020	Mon	51.6			27.5	0.0	6.2	21.3	0.0	0.17	0.21	0.76	67.8	134.2	7.5	1.79	1.79	1.79	0.049																			
06/23/2020	Tue	49.8	176	316	48.5	0.0	0.0	48.5	0.0	0.19	0.21	0.76	67.5	137.9	7.4	1.79	1.79	1.79	0.049																			
06/24/2020	Wed	49.0			23.9	0.0	0.0	23.9	0.0	0.12	0.34	0.20	71.6	140.1	7.2	1.79	1.79	1.79	0.049	2.0	99.4	0.9	99.5	0.2	0.2	0.02	0.23	0.77	0.54	1.02							
06/25/2020	Thu	52.6			48.4	0.0	0.8	47.5	0.0	0.11	0.43	0.25	68.4	138.7	7.6	1.79	1.79	1.79	0.049																			
06/26/2020	Fri	50.3			33.0	0.0	0.0	33.0	0.0	0.07	0.23	0.15	69.2	155.0	7.6	1.79	1.79	1.79	0.049																			
06/27/2020	Sat	57.6			24.0	0.0	5.7	18.3	0.0	0.04	0.49	0.36	75.8	194.8	7.5	1.79	1.79	1.79	0.049																			
06/28/2020	Sun	53.4			47.6	0.0	2.1	45.5	0.0	0.03	0.14	0.00	68.5	83.1	7.5	1.79	1.79	1.79	0.049																			
06/29/2020	Mon	53.7			51.4	0.0	2.3	49.1	0.0	0.03	0.41	0.15	66.3	94.1	7.6	1.79	1.79	1.79	0.049																			
06/30/2020	Tue	44.8	191	355	51.2	0.0	8.6	42.6	0.0	0.03	0.32	0.10	67.3	130.8	7.7	1.79	1.79	1.79	0.049																			
TOTAL		1,517.3			974.5	0.0	67.2	907.3	0.0																													
MAX		63.6	211	355	51.4	0.0	9.1	50.7	0.0	0.19	0.49	1.27	75.8	194.8	8.0	1.79	1.79	1.79	1.200	5.0	99.4	1.0	99.5	0.2	0.2	0.02	0.23	3.24	3.15	3.28	4.9	0.4	972	256	297	0.49	0.19
AVG		50.6	178	281	32.5	0.0	2.2	30.2	0.0	0.09	0.31	0.30	71.0	147.1	7.6	1.79	1.79	1.79	0.095	3.3	98.7	1.0	99.4	0.1	0.1	0.02	0.15	1.39	1.25	1.48	4.9	0.4	972	256	297	0.49	0.19
MIN		40.0	140	186	1.6	0.0	0.0	1.6	0.0	0.03	0.04	0.00	66.3	83.1	6.7	1.79	1.79	1.79	0.049	2.0	97.8	0.9	99.4	0.0	0.0	0.02	0.09	0.51	0.33	0.55	4.9	0.4	972	256	297	0.49	0.19

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																	WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS	
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1				10		2,000	500	500	2	0.5	
Limit 2														8.5	23	7 day			30		40								15							
Limit 3															240	med			45		45															
07/01/2020	Wed	47.6			42.2	0.0	19.5	22.7	0.0	0.03	0.03	0.00	66.9	165.2	7.3	1.79	1.79	1.79	0.049	2.0	99.4	0.9	99.5	2.2	2.2	0.02	0.62	1.21	0.59	3.39								
07/02/2020	Thu	48.7			70.1	0.0	32.4	37.7	0.0	0.03	0.03	0.00	66.0	165.6	7.6	1.79	1.79	1.79	0.049																			
07/03/2020	Fri	51.7			30.4	0.0	14.1	16.4	0.0	0.03	0.31	0.20	68.5	158.9	7.7	1.79	1.79	1.79	0.049												4.9	1.8	952	198	303	0.25	0.07	
07/04/2020	Sat	42.4			82.8	0.0	38.3	44.5	0.0	0.09	0.47	0.20	69.6	157.7	7.6	1.79	1.79	1.79	0.049																			
07/05/2020	Sun	49.5			58.1	0.0	26.9	31.3	0.0	0.12	0.48	0.36	69.3	165.1	7.6	1.79	1.79	1.79	0.049																			
07/06/2020	Mon	48.4			25.5	0.0	11.8	13.7	0.0	0.13	0.16	0.00	69.2	151.5	7.6	1.79	1.79	1.79	0.049																			
07/07/2020	Tue	67.3	244	207	69.8	0.0	32.3	37.5	0.0	0.12	0.31	0.25	68.9	143.5	7.7	1.79	1.79	1.79	0.049																			
07/08/2020	Wed	47.1			28.5	0.0	13.2	15.3	0.0	0.11	0.38	0.15	68.7	117.6	7.6	1.79	1.79	1.79	0.049	4.0	98.1	0.9	99.6	0.4	0.4	0.02	0.09	1.14	1.05	1.54								
07/09/2020	Thu	57.1			79.0	0.0	36.5	42.4	0.0	0.15	0.27	0.46	68.5	122.7	7.6	1.79	1.79	1.79	0.049																			
07/10/2020	Fri	58.4			3.2	0.0	1.5	1.7	0.0	0.16	0.19	0.00	68.6	118.9	7.8	1.79	1.79	1.79	0.049																			
07/11/2020	Sat	57.6			75.7	0.0	35.0	40.7	0.0	0.12	0.15	0.00	68.3	144.2	7.4	1.79	1.79	1.79	0.049																			
07/12/2020	Sun	52.0			27.2	0.0	12.6	14.6	0.0	0.13	0.15	0.00	68.9	159.1	7.5	1.79	1.79	1.79	0.049																			
07/13/2020	Mon	51.4			18.6	0.0	8.6	10.0	0.0	0.13	0.19	0.00	70.3	155.3	7.5	1.79	1.79	1.79	0.049																			
07/14/2020	Tue	48.3	218	308	68.4	0.0	31.6	36.8	0.0	0.12	0.19	0.00	69.8	151.3	7.4	1.79	1.79	1.79	0.049																			
07/15/2020	Wed	42.9			7.1	0.0	3.3	3.8	0.0	0.17	0.19	0.00	70.1	163.2	7.5	1.79	1.79	1.79	0.049	5.0	98.4	0.9	99.6	0.0	0.0	0.02	0.26	1.45	1.19	1.49								
07/16/2020	Thu	62.9			71.4	0.0	33.0	38.4	0.0	0.06	0.19	0.00	70.7	155.4	7.6	1.79	1.79	1.79	0.060																			
07/17/2020	Fri	46.0			48.1	0.0	22.2	25.9	0.0	0.04	0.31	0.20	72.2	146.1	7.6	1.79	1.79	1.79	0.080																			
07/18/2020	Sat	50.6			72.9	0.0	33.7	39.2	0.0	0.04	0.47	0.36	73.7	172.2	7.6	1.79	1.79	1.79	0.120																			
07/19/2020	Sun	52.0			66.2	0.0	30.6	35.6	0.0	0.08	0.42	0.15	72.2	150.4	7.6	1.79	1.79	1.79	0.049																			
07/20/2020	Mon	50.2			34.3	0.0	15.8	18.4	0.0	0.06	0.10	0.00	71.1	123.9	8.1	1.79	1.79	1.79	0.049																			
07/21/2020	Tue	47.6	179	410	64.6	0.0	29.9	34.8	0.0	0.03	0.28	0.10	72.4	149.7	8.2	1.79	1.79	1.79	0.120																			
07/22/2020	Wed	43.6			23.0	0.0	10.6	12.3	0.0	0.05	0.48	0.15	72.2	164.4	7.6	1.79	1.79	1.79	0.220	5.0	98.8	1.0	99.4	0.1	0.0	0.05	0.23	1.19	0.96	1.29								
07/23/2020	Thu	45.9			60.9	0.0	28.2	32.7	0.0	0.12	0.31	0.31	71.9	175.8	7.7	1.79	1.79	1.79	0.049																			
07/24/2020	Fri	48.5			20.2	0.0	9.4	10.9	0.0	0.12	0.47	0.36	71.7	175.6	7.7	1.79	1.79	1.79	0.049																			
07/25/2020	Sat	52.1			81.9	0.0	37.9	44.0	0.0	0.12	0.41	0.87	70.8	164.9	7.6	1.79	1.79	1.79	0.049																			
07/26/2020	Sun	48.4			78.5	0.0	36.3	42.2	0.0	0.12	0.39	0.41	70.1	150.2	7.6	1.79	1.79	1.79	0.049																			
07/27/2020	Mon	50.3			38.2	0.0	17.7	20.5	0.0	0.07	0.11	0.00	70.2	157.0	7.4	1.79	1.79	1.79	0.049																			
07/28/2020	Tue	46.9			65.6	0.0	30.3	35.3	0.0	0.05	0.22	0.10	70.1	166.3	7.7	1.79	1.79	1.79	0.049																			
07/29/2020	Wed	46.1	100	390	36.7	0.0	17.0	19.7	0.0	0.06	0.45	0.31	70.2	163.6	7.7	1.79	1.79	1.79	0.049	3.0	99.2	0.9	99.1	0.1	0.1	0.05	0.41	0.86	0.45	0.99								
07/30/2020	Thu	59.8			66.2	0.0	30.6	35.6	0.0	0.08	0.40	0.15	69.7	153.9	7.6	1.79	1.79	1.79	0.180																			
07/31/2020	Fri	49.8			50.7	0.0	23.4	27.3	0.0	0.09	0.49	0.15	72.0	143.4	7.6	1.79	1.79	1.79	0.100																			
TOTAL	1,571			1,565.9	0.0	724.0	841.9	0.0																													
MAX	67.3	244	410	82.8	0.0	38.3	44.5	0.0	0.17	0.49	0.87	73.7	175.8	8.2	1.79	1.79	1.79	0.220	5.0	99.4	1.0	99.6	2.2	2.2	0.05	0.62	1.45	1.19	3.39	4.9	1.8	952	198	303	0.25	0.07	
AVG	50.7	185	329	50.5	0.0	23.4	27.2	0.0	0.09	0.29	0.17	70.1	153.3	7.6	1.79	1.79	1.79	0.066	3.8	98.8	0.9	99.5	0.6	0.5	0.03	0.32	1.17	0.85	1.74	4.9	1.8	952	198	303	0.25	0.07	
MIN	42.4	100	207	3.2	0.0	1.5	1.7	0.0	0.03	0.03	0.00	66.0	117.6	7.3	1.79	1.79	1.79	0.049	2.0	98.1	0.9	99.1	0.0	0.0	0.02	0.09	0.86	0.45	0.99	4.9	1.8	952	198	303	0.25	0.07	

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15							
Limit 3															240	med			45		45																
08/01/2020	Sat	46.5			37.1	0.0	2.5	34.6	0.0	0.06	0.43	0.36	73.9	163.2	7.5	1.79	1.79	1.79	0.050																			
08/02/2020	Sun	48.2			50.4	0.0	25.3	25.1	0.0	0.08	0.49	0.20	74.4	169.6	7.8	1.79	1.79	1.79	0.050																			
08/03/2020	Mon	44.9			42.9	0.0	28.5	14.4	0.0	0.07	0.14	0.00	73.9	163.7	7.7	1.79	1.79	1.79	0.060																4.9	1.2	972	163	297	0.39	0.19
08/04/2020	Tue	42.3			45.8	0.0	25.0	20.8	0.0	0.04	0.46	0.31	70.4	165.8	7.6	1.79	1.79	1.79	0.049	4.0	98.5	0.9	99.6	0.1	0.1	0.05	0.09	0.49	0.40	0.59							
08/05/2020	Wed	44.8	218	267	40.4	0.0	26.6	13.9	0.0	0.03	0.46	0.10	70.3	175.0	7.6	1.79	1.79	1.79	0.070																			
08/06/2020	Thu	54.0			51.8	0.0	27.6	24.2	0.0	0.03	0.40	0.10	70.2	173.5	7.5	1.79	1.79	1.79	0.080																			
08/07/2020	Fri	45.9			92.3	0.0	26.1	66.3	0.0	0.03	0.45	0.15	69.9	157.0	7.4	1.79	1.79	1.79	0.060																			
08/08/2020	Sat	45.9			29.7	0.0	2.6	27.2	0.0	0.03	0.35	0.31	70.2	163.3	7.4	1.79	1.79	1.79	0.060																			
08/09/2020	Sun	47.1			52.0	0.0	25.5	26.5	0.0	0.03	0.44	0.20	68.8	157.8	7.6	1.79	1.79	1.79	0.049																			
08/10/2020	Mon	46.8			43.6	0.0	25.7	17.9	0.0	0.03	0.18	0.00	69.7	150.0	7.5	1.79	1.79	1.79	0.050																			
08/11/2020	Tue	45.2	232	500	55.7	0.0	25.3	30.4	0.0	0.07	0.27	0.20	69.3	151.0	7.3	1.79	1.79	1.79	0.070																			
08/12/2020	Wed	42.8			41.8	0.0	29.8	12.0	0.0	0.15	0.41	0.61	68.7	170.4	7.4	1.79	1.79	1.79	0.070	4.0	99.2	0.9	99.6	0.1	0.1	0.05	0.20	0.27	0.07	0.37							
08/13/2020	Thu	46.1			47.7	0.0	25.6	22.2	0.0	0.11	0.40	0.10	68.7	170.2	7.6	1.79	1.79	1.79	0.090																			
08/14/2020	Fri	46.8			39.7	0.0	32.2	7.5	0.0	0.11	0.41	0.36	68.6	164.3	7.8	1.79	1.79	1.79	0.060																			
08/15/2020	Sat	49.2			34.1	0.0	2.8	31.3	0.0	0.14	0.49	0.66	67.2	148.0	7.3	1.79	1.79	1.79	0.100																			
08/16/2020	Sun	51.2			54.1	0.0	25.0	29.0	0.0	0.17	0.19	0.00	66.6	149.7	7.7	1.79	1.79	1.79	0.049																			
08/17/2020	Mon	45.9			48.4	0.0	33.3	15.2	0.0	0.15	0.19	0.00	66.7	141.8	7.7	1.79	1.79	1.79	0.049																			
08/18/2020	Tue	60.6	222	350	48.4	0.0	24.8	23.6	0.0	0.13	0.48	0.76	66.1	150.4	7.6	1.79	1.79	1.79	0.049																			
08/19/2020	Wed	44.6			49.8	0.0	34.8	15.0	0.0	0.12	0.19	0.00	65.9	150.8	7.5	1.79	1.79	1.79	0.070	7.0	98.0	0.9	99.6	0.1	0.1	0.05	0.09	0.12	0.03	0.27							
08/20/2020	Thu	48.7			59.4	0.0	29.7	29.8	0.0	0.15	0.42	0.46	69.3	147.2	7.7	1.79	1.79	1.79	0.100																			
08/21/2020	Fri	47.7			44.0	0.0	37.6	6.4	0.0	0.13	0.19	0.00	73.0	150.8	7.5	1.79	1.79	1.79	0.080																			
08/22/2020	Sat	51.0			41.7	0.0	2.7	39.0	0.0	0.15	0.42	0.56	72.8	157.3	7.5	1.79	1.79	1.79	0.080																			
08/23/2020	Sun	48.9			49.2	0.0	25.4	23.8	0.0	0.14	0.49	0.41	72.8	157.9	7.5	1.79	1.79	1.79	0.060																			
08/24/2020	Mon	47.5			48.8	0.0	35.0	13.8	0.0	0.13	0.19	0.00	72.0	151.0	7.4	1.79	1.79	1.79	0.049																			
08/25/2020	Tue	55.1	212	344	54.1	0.0	25.4	28.7	0.0	0.12	0.24	0.20	70.4	148.8	7.4	1.79	1.79	1.79	0.100																			
08/26/2020	Wed	43.8			50.0	0.0	33.1	16.9	0.0	0.14	0.26	0.36	69.6	142.8	7.5	1.79	1.79	1.79	0.080	12.0	96.5	0.9	99.6	0.1	0.1	0.05	0.28	1.26	0.98	1.36							
08/27/2020	Thu	46.8			45.9	0.0	25.3	20.6	0.0	0.12	0.19	0.00	68.9	133.2	7.4	1.79	1.79	1.79	0.080																			
08/28/2020	Fri	50.0			38.8	0.0	31.4	7.4	0.0	0.15	0.39	0.36	68.8	157.4	7.3	1.79	1.79	1.79	0.080																			
08/29/2020	Sat	47.3			33.8	0.0	2.7	31.2	0.0	0.16	0.19	0.00	67.2	147.3	7.6	1.79	1.79	1.79	0.080																			
08/30/2020	Sun	47.5			54.9	0.0	25.6	29.2	0.0	0.09	0.46	0.87	65.9	129.8	7.5	1.79	1.79	1.79	0.049																			
08/31/2020	Mon	45.5			48.2	0.0	29.6	18.7	0.0	0.08	0.47	0.76	65.6	139.9	7.5	1.79	1.79	1.79	0.049																			
TOTAL	1,479			1,474.7	0.0	752.4	722.2	0.0																													
MAX	60.6	232	500	92.3	0.0	37.6	66.3	0.0	0.17	0.49	0.87	74.4	175.0	7.8	1.79	1.79	1.79	0.100	12.0	99.2	0.9	99.6	0.1	0.1	0.05	0.28	1.26	0.98	1.36	4.9	1.2	972	163	297	0.39	0.19
AVG	47.7	221	365	47.6	0.0	24.3	23.3	0.0	0.10	0.35	0.27	69.6	154.8	7.5	1.79	1.79	1.79	0.067	6.8	98.1	0.9	99.6	0.1	0.1	0.05	0.17	0.54	0.37	0.65	4.9	1.2	972	163	297	0.39	0.19
MIN	42.3	212	267	29.7	0.0	2.5	6.4	0.0	0.03	0.14	0.00	65.6	129.8	7.3	1.79	1.79	1.79	0.049	4.0	96.5	0.9	99.6	0.1	0.1	0.05	0.09	0.12	0.03	0.27	4.9	1.2	972	163	297	0.39	0.19

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																	WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS	
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5	
Limit 2														8.5	23	7 day			30		40									15							
Limit 3															240	med			45		45																
09/01/2020	Tue	55.5			53.7	0.0	25.4	28.3	0.0	0.04	0.44	0.15	68.6	143.1	7.5	1.79	1.79	1.79	0.070																			
09/02/2020	Wed	46.0	195	308	48.7	0.0	24.3	24.4	0.0	0.04	0.48	0.46	68.1	141.5	7.5	1.79	1.79	1.79	0.100	4.0	98.7	0.9	99.5	0.1	0.1	0.05	0.44	1.24	0.80	1.35	4.9	0.4	1,180	144	264	0.45	0.09
09/03/2020	Thu	46.3			55.3	0.0	25.6	29.7	0.0	0.08	0.35	0.25	67.8	140.5	7.4	1.79	1.79	1.79	0.060																			
09/04/2020	Fri	46.5			40.0	0.0	23.5	16.5	0.0	0.09	0.37	0.36	67.7	155.0	7.3	1.79	1.79	1.79	0.060																			
09/05/2020	Sat	49.6			37.9	0.0	2.7	35.2	0.0	0.09	0.49	0.76	66.5	152.5	7.5	1.79	1.79	1.79	0.060																			
09/06/2020	Sun	52.0			54.7	0.0	25.3	29.5	0.0	0.07	0.49	0.41	65.4	145.8	7.4	1.79	1.79	1.79	0.060																			
09/07/2020	Mon	48.6			47.2	0.0	30.5	16.7	0.0	0.04	0.18	0.00	66.3	147.0	7.4	1.79	1.79	1.79	0.210																			
09/08/2020	Tue	56.8	252	438	59.0	0.0	25.5	33.5	0.0	0.03	0.43	0.10	66.2	145.7	7.4	1.79	1.79	1.79	0.160																			
09/09/2020	Wed	44.8			49.5	0.0	30.1	19.5	0.0	0.03	0.46	0.61	66.2	149.9	7.2	1.79	1.79	1.79	0.100	4.0	99.1	0.9	99.6	0.1	0.1	0.05	0.09	1.70	1.61	1.81								
09/10/2020	Thu	41.6			56.3	0.0	25.6	30.6	0.0	0.03	0.26	0.15	66.0	157.6	7.4	1.79	1.79	1.79	0.070																			
09/11/2020	Fri	46.7			41.6	0.0	26.6	14.9	0.0	0.06	0.39	0.10	68.5	163.9	7.3	1.79	1.79	1.79	0.060																			
09/12/2020	Sat	48.1			38.5	0.0	3.2	35.3	0.0	0.10	0.40	0.36	69.7	160.5	7.4	1.79	1.79	1.79	0.049																			
09/13/2020	Sun	46.1			59.0	0.0	25.5	33.5	0.0	0.12	0.33	0.25	68.4	146.2	7.4	1.79	1.79	1.79	0.050																			
09/14/2020	Mon	43.9			36.0	0.0	14.9	21.1	0.0	0.12	0.41	0.56	67.8	160.4	7.4	1.79	1.79	1.79	0.049																			
09/15/2020	Tue	53.4	244	386	57.8	0.0	25.3	32.5	0.0	0.09	0.26	0.20	66.8	143.8	7.4	1.79	1.79	1.79	0.050																			
09/16/2020	Wed	40.7			22.1	0.0	15.2	6.9	0.0	0.10	0.19	0.00	67.8	130.5	7.4	1.79	1.79	1.79	0.049	2.0	99.5	0.9	99.6	0.1	0.0	0.05	0.24	1.01	0.77	1.11								
09/17/2020	Thu	45.1			65.1	0.0	25.5	39.6	0.0	0.10	0.19	0.00	67.2	105.1	7.7	1.79	1.79	1.79	0.050																			
09/18/2020	Fri	47.1			48.4	0.0	20.9	27.4	0.0	0.08	0.42	0.31	68.8	139.8	7.7	1.79	1.79	1.79	0.060																			
09/19/2020	Sat	48.1			35.6	0.0	2.4	33.2	0.0	0.06	0.43	0.61	69.2	154.6	7.5	1.79	1.79	1.79	0.050																			
09/20/2020	Sun	48.1			58.3	0.0	25.5	32.8	0.0	0.07	0.41	0.31	69.2	155.2	7.5	1.79	1.79	1.79	0.050																			
09/21/2020	Mon	42.7			45.2	0.0	26.4	18.7	0.0	0.09	0.16	0.00	69.8	160.9	7.5	1.79	1.79	1.79	0.049																			
09/22/2020	Tue	44.9			61.3	0.0	35.0	26.3	0.0	0.05	0.34	0.31	70.1	156.8	7.3	1.79	1.79	1.79	0.049																			
09/23/2020	Wed	40.6	194	232	61.6	0.0	56.0	5.6	0.0	0.03	0.21	0.61	69.4	127.1	7.6	1.79	1.79	1.79	0.080	3.0	98.7	0.9	99.5	0.1	0.0	0.05	0.20	0.64	0.44	0.74							
09/24/2020	Thu	55.6			48.6	0.0	26.4	22.1	0.0	0.05	0.12	0.00	69.1	130.2	7.5	1.79	1.79	1.79	0.050																			
09/25/2020	Fri	45.3			45.7	0.0	21.5	24.2	0.0	0.06	0.45	0.15	68.8	141.5	7.5	1.79	1.79	1.79	0.090																			
09/26/2020	Sat	47.4			44.6	0.0	3.3	41.4	0.0	0.08	0.35	0.31	68.8	156.7	7.4	1.79	1.79	1.79	0.015																			
09/27/2020	Sun	46.4			54.9	0.0	26.1	28.8	0.0	0.11	0.43	0.25	69.8	155.9	7.4	1.79	1.79	1.79	0.110																			
09/28/2020	Mon	45.6			38.6	0.0	17.0	21.6	0.0	0.10	0.38	0.10	71.5	158.5	6.8	1.79	1.79	1.79	0.050																			
09/29/2020	Tue	53.7			58.7	0.0	27.4	31.3	0.0	0.07	0.43	0.25	73.5	149.9	8.4	1.79	1.79	1.79	0.060																			
09/30/2020	Wed	44.2	232	447	49.9	0.0	17.2	32.7	0.0	0.04	0.50	0.25	71.7	130.3	7.6	1.79	1.79	1.79	0.070	10.0	97.8	0.9	99.6	0.1	0.1	0.05	0.25	0.38	0.13	0.52							
TOTAL	1,421			1,473.8	0.0	679.9	793.9	0.0																													
MAX	56.8	252	447	65.1	0.0	56.0	41.4	0.0	0.12	0.50	0.76	73.5	163.9	8.4	1.79	1.79	1.79	0.210	10.0	99.5	0.9	99.6	0.1	0.1	0.05	0.44	1.70	1.61	1.81	4.9	0.4	1,180	144	264	0.45	0.09
AVG	47.4	223	362	49.1	0.0	22.7	26.5	0.0	0.07	0.36	0.27	68.5	146.9	7.5	1.79	1.79	1.79	0.070	4.6	98.7	0.9	99.6	0.1	0.1	0.05	0.24	0.99	0.75	1.10	4.9	0.4	1,180	144	264	0.45	0.09
MIN	40.6	194	232	22.1	0.0	2.4	5.6	0.0	0.03	0.12	0.00	65.4	105.1	6.8	1.79	1.79	1.79	0.015	2.0	97.8	0.9	99.5	0.1	0.0	0.05	0.09	0.38	0.13	0.52	4.9	0.4	1,180	144	264	0.45	0.09

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

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

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

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

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

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

ATTACHMENT B: QUARTERLY EFF

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

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

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

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

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

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

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

SECOND QUARTER	04/30/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/22/2020	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	06/18/2020	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		15,000					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

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

FOURTH QUARTER	10/07/2020	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	10/20/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/02/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/09/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/17/2020	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/28/2020	Mon	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		30,000					

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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

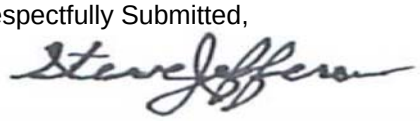
Attention: Ric Vardel
Report Date: 16-Jan-20 22:29
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0004-01) Collected: 01-Jan-20 By JC						
pH	SM 4500H-B	AA00112	0.1	01-Jan-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00209	0.05	02-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00106	1.8	03-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00106	1.8	03-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0004

Customer: ~~IPC, Inc.~~ (MCC) ~~Daily EFF~~ Project :

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

Sampled by: Joseph Clark

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	1/1/2020	0955	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)	1/1/20	0957
Received by: EC	Cuenca (GM)	1/1/20	1145
Relinquished by: EC	Cuenca	1/1/20	1300
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 16-Jan-20 22:39
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0020-01) Collected: 02-Jan-20 By CA						
pH	SM 4500H-B	AA00221	0.1	02-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00220	0.05	02-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00211	1.8	04-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00211	1.8	04-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0020

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	01/02/20	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		Carlos Alvarez (IPC)	01/02/20	1225
Received by	EB		1/2/20	1225
Relinquished by	EB		1-2-20	1400
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1-2-20	1431

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

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

Attention: Ric Vardel
Report Date: 16-Jan-20 23:22
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0021-01) Collected: 02-Jan-20 By CA						
Ammonia as N	EPA 350.1	AA00307	0.10	03-Jan-20 (SS)	0.29 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA00623	0.10	09-Jan-20 (LA)	0.85 mg/l	
Total Suspended Solids	SM2540D	AA00624	1	07-Jan-20 (RM)	<1 mg/l	
Nitrate as N	EPA 353.2	AA00310	0.02	03-Jan-20 (SS)	2.75 mg/l	
Nitrite as N	EPA 353.2	AA00310	0.02	03-Jan-20 (SS)	0.06 mg/l	
EFF (Sample I.D.# : 20A0021-02) Collected: 01-Jan-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AA00309	2	08-Jan-20 (RM)	3 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0021

Customer: IPC, Inc.		**Project :** (MCC) Weekly 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	01/02/20	1150	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	
	01/01/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	01/02/20	1225
Received by	EL	[illegible]	1/2/20	1225
Relinquished by	EL	[illegible]	1-2-20	1400
Received by				
Relinquished by				
Received at lab by		Alex Walker Jr	1-2-20	1437

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.

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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-Jan-20 16:00
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20A0019-01) Collected: 02-Jan-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AA00309	2	08-Jan-20 (RM)	457 mg/l	
Total Suspended Solids	SM2540D	AA00624	1	07-Jan-20 (RM)	255 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0019

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
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	01/01/20	0000	1	TSS	Composite	AQ	1L P	4°C	
"	"	"	1	BOD	Composite	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.D.	Carlos Arrieta (IPC)	01/2/20	1225
Received by	Ele	[illegible]	[illegible]	1225
Relinquished by	Ele	[illegible]	1/2/20	1400
Received by				
Relinquished by				
Received in lab by	[signature]	Alex Walker Jr	1-2-20	1428

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

Sample Received Checklist

Temperature upon receipt: 4 °c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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9297 Research Drive
Irvine CA, 92618

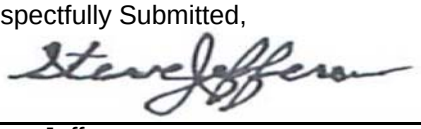
Attention: Ric Vardel
Report Date: 16-Jan-20 22:46
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0053-01) Collected: 03-Jan-20 By GK						
pH	SM 4500H-B	AA00415	0.1	03-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00416	0.05	04-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00308	1.8	05-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00308	1.8	05-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0053

Customer: IPC, Inc.
9297 Research Drive
Address: Irvine CA 92618

(MCC) Daily EFF

Project :

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	1/3/20	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.53 / 10.2°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/3/20	12:20
Received by:	Armando Ramos (PCL)	1/3/20	12:20
Relinquished by:	Armando Ramos (PCL)	1/3/20	14:25
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	1/3/20	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
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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(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 16-Jan-20 22:50
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0059-01) Collected: 04-Jan-20 By Mario Aquirre						
pH	SM 4500H-B	AA00522	0.1	04-Jan-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00521	0.05	05-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00414	1.8	06-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00414	1.8	06-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0059

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/4/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Gectracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 04 2020
By AW

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre IPC	1/4/20	9:50
Received by	RM PCL	1/4/2020	1515
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alexwalk Jr (PCL)	1/4/20	1651

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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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Jan-20 22:54
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0062-01) Collected: 05-Jan-20 By VA						
pH	SM 4500H-B	AA00526	0.1	05-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00525	0.05	05-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00520	1.8	07-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00520	1.8	07-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A00062

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** VICTOR AZIKIAN	**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	1/5/2020	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCH									
Global ID: WDR100000359									

RECEIVED
JAN 05 2020
By AW

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR AZIKIAN (IPC)	1/5/2020	10:10
Received by	Alex WALKER Jr (FPC)	1/5/20	10:24
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1-5-20	1402

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

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

Attention: Ric Vardel
Report Date: 16-Jan-20 22:57
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0080-01) Collected: 06-Jan-20 By GK						
pH	SM 4500H-B	AA00830	0.1	06-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00736	0.05	07-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00621	1.8	08-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00621	1.8	08-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0090

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH (Field) Lab
EFF	1/6/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.74/14.8 C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	—
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 06 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	1/6/20	12:10
Received by	Armando Olmos (PatChem)	1/6/20	12:10
Relinquished by	Armando Olmos (PatChem)	1/6/20	13:35
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1-6-20	1254

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

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

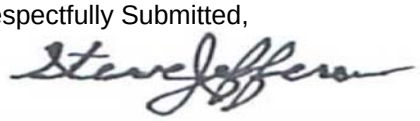
Attention: Ric Vardel
Report Date: 16-Jan-20 23:06
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0106-01) Collected: 07-Jan-20 By C. A.						
pH	SM 4500H-B	AA00830	0.1	07-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00831	0.05	08-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00723	1.8	09-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00723	1.8	09-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0106

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~		**Project :** (MCC) EFF - Daily	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:** C. Ch	**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	01/07/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~—~~ \	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	~~Coli~~	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 07 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ch	Carlos Alvarez (IPC)	01/07/20	
Received by	E		1/7/20	1375
Relinquished by	E			1430
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1-7-20	1437

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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.

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QUALITY ANALYTICAL SERVICES SINCE 1987

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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: 16-Jan-20 23:18
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0107-01) Collected: 07-Jan-20 By CA						
Boron	EPA 200.7	AA00825	0.10	09-Jan-20 (AF)	0.33 mg/l	
MBAS	SM 5540 C	AA00842	0.05	09-Jan-20 (JC)	0.12 mg/l	
Oil & Grease (HEM)	EPA 1664A	AA01005	5	13-Jan-20 (WP)	<5 mg/l	
Phosphorus, Total as P	EPA 365.3	AA01609	0.02	16-Jan-20 (LA)	1.94 mg/l	
Total Dissolved Solids	SM 2540C	AA01225	5	13-Jan-20 (RM)	1036 mg/l	
Chloride	EPA 300.0	AA00827	1.0	09-Jan-20 (JC)	285 mg/l	
Sulfate as SO4	EPA 300.0	AA00827	0.5	09-Jan-20 (JC)	243 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0107

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/07/20	1150	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 07 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (GPC)	01/07/20	
Received by	GPC	1/7/20	1325
Relinquished by	GPC	1/7/20	1930
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1-7-20	1443

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

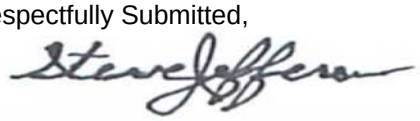
Attention: Ric Vardel
Report Date: 20-Jan-20 16:02
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20A0146-01) Collected: 07-Jan-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AA00913	2	14-Jan-20 (RM)	465 mg/l	
Total Suspended Solids	SM2540D	AA01224	1	13-Jan-20 (RM)	264 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A01446

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) INF - Weekly

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	01/07/20	0000	1	TSS	Composite	AQ	1L P	4°C	
"	"	"	1	BOD	Composite	AQ	1L P	4°C	

RECEIVED
JAN 08 2020
By AW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	01/08/20	1230
Received by	EC	Carlos	1/8/20	1230
Relinquished by	EC	Carlos	1/8/20	1430
Received by				
Relinquished by				
Received in Lab by		Alex Walker Jr	1-8-20	1546

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 - $CuSO_4$

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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

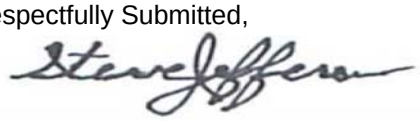
Attention: Ric Vardel
Report Date: 16-Jan-20 23:10
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0141-01) Collected: 08-Jan-20 By C. A.						
pH	SM 4500H-B	AA00840	0.1	08-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00841	0.05	08-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00829	1.8	10-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00829	1.8	10-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0141

Customer: ~~IPC, Inc.~~ **(MCC) Daily EFF**
Project :

Address: ~~9297 Research Drive~~ Irvine CA 92618
Sampled by:
Report Attention: Rie 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	01/08/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JAN 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/08/20	
Received by			1/8/20	1230
Relinquished by			1/8/20	1430
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1-8-20	1524

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 16-Jan-20 23:26
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0145-01) Collected: 08-Jan-20 By CA						
Ammonia as N	EPA 350.1	AA01006	0.10	10-Jan-20 (SS)	0.12 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA01333	0.10	14-Jan-20 (LA)	0.87 mg/l	
Total Suspended Solids	SM2540D	AA01224	1	13-Jan-20 (RM)	2 mg/l	
Nitrate as N	EPA 353.2	AA00908	0.02	09-Jan-20 (LA)	2.79 mg/l	
Nitrite as N	EPA 353.2	AA00908	0.02	09-Jan-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20A0145-02) Collected: 07-Jan-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AA00913	2	14-Jan-20 (RM)	4 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0145

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive		Sampled by: C. Carlos	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	01/08/20	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	01/07/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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JAN 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/08/20	1230
Received by	EC	Carlos - PAL	1/8/20	1230
Relinquished by	EC	Carlos PAL	1/8/20	1430
Received by				
Relinquished by				
Received in lab by		Stef Walker (PN)	1-8-20	1542

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

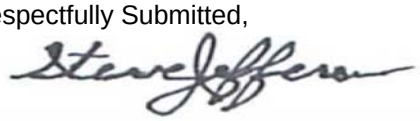
Attention: Ric Vardel
Report Date: 16-Jan-20 23:14
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0171-01) Collected: 09-Jan-20 By CA						
pH	SM 4500H-B	AA00917	0.1	09-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA00916	0.05	09-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA00910	1.8	11-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA00910	1.8	11-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2040171

IPC, Inc.
Customer: 9297 Research Drive
Address: Irvine CA 92618

(MCC) Daily EFF

Project :
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	01/09/20	1100	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)	01/09/20	
Received by	EC	Carlos	1/9/20	1100
Relinquished by	EC	Carlos	1/9/20	1315
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	1/9/2020	1315

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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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Jan-20 15:42
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0185-01) Collected: 10-Jan-20 By GK						
pH	SM 4500H-B	AA01013	0.1	10-Jan-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01016	0.05	10-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01008	1.8	12-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01008	1.8	12-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0185

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	1/10/20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 / 14.3°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 10 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/10/20	11:35
Received by:	Armando Ochoa (Pat-Chem)	1/10/20	11:35
Relinquished by:	Armando Ochoa (Pat-Chem)	1/10/20	14:20
Received by:			
Relinquished by:			
Received Lab by:	Alex Walker Jr	1-10-20	11:35

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	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	
ON - 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: 20-Jan-20 15:45
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0201-01) Collected: 11-Jan-20 By MA						
pH	SM 4500H-B	AA01227	0.1	11-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01222	0.05	12-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01119	1.8	13-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01119	1.8	13-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0201

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/11/20	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	1/11/20	10:35
Received by	Jordan Corkery	1/11/20	12:32
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	1/11/20	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
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
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(818) 639-5306 fx
pat-chem.com

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

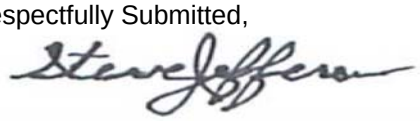
Attention: Ric Vardel
Report Date: 20-Jan-20 15:47
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0207-01) Collected: 12-Jan-20 By VA						
pH	SM 4500H-B	AA01227	0.1	12-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01228	0.05	12-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01220	1.8	14-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01220	1.8	14-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0207

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** VICTOR ARPKIAN **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	1/12/2020	09:36	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 12 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARPKIAN (FPL) 1/12/2020	1/12/2020	09:36
Received by	Alex Walker Jr (Pc)	1-12-20	11:39
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1-12-20	1435

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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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-Jan-20 15:49
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0216-01) Collected: 13-Jan-20 By GK						
pH	SM 4500H-B	AA01534	0.1	13-Jan-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01431	0.05	14-Jan-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01338	1.8	15-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01338	1.8	15-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0216

IPC, Inc.
(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/13/20	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									

RECEIVED
JAN 13 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/13/20	11:50
Received by: EB	[illegible] IPC	1/13/20	1100
Relinquished by: EB	[illegible] IPC	1/13/20	Dec
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	1-13-20	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
(Col) - 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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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

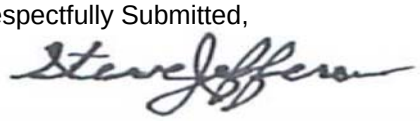
Attention: Ric Vardel
Report Date: 22-Jan-20 15:31
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20A0291-01) Collected: 14-Jan-20 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AA01613	2	21-Jan-20 (RM)	453 mg/l	
Total Suspended Solids	SM2540D	AA01614	1	17-Jan-20 (EA)	418 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0291

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** GO		**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	1/14/20	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									

RECEIVED
JAN 15 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IK	1/15/20	12:00
Received by: EG	Golan IK	1/15/20	1230
Relinquished by: EG	Golan IK	1/15/20	14:20
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	1-15-20	1508

Sample Received Checklist 4°C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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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

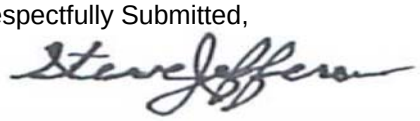
Attention: Ric Vardel
Report Date: 20-Jan-20 15:51
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0254-01) Collected: 14-Jan-20 By C. A.						
pH	SM 4500H-B	AA01534	0.1	14-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01537	0.05	15-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01429	1.8	16-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01429	1.8	16-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



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Environmental Sample

Sample I.D.#: 20A0254

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/14/20	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 14 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arroyo (IPC)	01/14/20	1230
Received by			1,14,20	1230
Relinquished by			1,14,20	1400
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1-14-20	1404

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: 09-Apr-20 16:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20A0265-01) Collected: 14-Jan-20 By CA							
Physical Properties							
Total Alkalinity	SM 2320B	AA01544	1	15-Jan-20	16-Jan-20	**192 mg/l**	
Carbonate Alkalinity	SM 2320B	AA01544	1	15-Jan-20	16-Jan-20	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AA01544	1	15-Jan-20	16-Jan-20	**192 mg/l**	
Hydroxide Alkalinity	SM 2320B	AA01544	1	15-Jan-20	16-Jan-20	**<1 mg/l**	
Color	SM 2120 C	AA01538	5.0	15-Jan-20	15-Jan-20	**31.0 Color Units**	
Specific Conductance (EC)	SM 2510B	AA01541	0.1	15-Jan-20	15-Jan-20	**1720 uS/cm**	
Odor	SM 2150B	AA01540	1	15-Jan-20	15-Jan-20	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**<0.2 ug/l**	
Aluminum	EPA 200.8	AA02032	5.0	20-Jan-20	24-Jan-20	**17 ug/l**	
Fluoride	EPA 300.0	AA01547	0.10	15-Jan-20	16-Jan-20	**0.60 mg/l**	
Arsenic	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**1.4 ug/l**	
Barium	EPA 200.8	AA02032	0.5	20-Jan-20	24-Jan-20	**16 ug/l**	
Beryllium	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**<0.2 ug/l**	
Calcium	EPA 200.7	AA01526	0.05	15-Jan-20	16-Jan-20	**51.7 mg/l**	
Cadmium	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**8.0 ug/l**	
Copper	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**1.4 ug/l**	
Cyanide (total)	SM 4500-CN-E	AA01607	0.0050	16-Jan-20	17-Jan-20	**<0.0050 mg/l**	
Iron	EPA 200.7	AA01526	0.02	15-Jan-20	16-Jan-20	**<0.02 mg/l**	
Mercury	EPA 245.1	AA02130	0.20	21-Jan-20	21-Jan-20	**<0.20 ug/l**	
Manganese	EPA 200.8	AA02032	0.5	20-Jan-20	24-Jan-20	**3.3 ug/l**	
Nickel	EPA 200.8	AA02032	0.5	20-Jan-20	24-Jan-20	**4.0 ug/l**	
Lead	EPA 200.8	AA02032	0.2	20-Jan-20	24-Jan-20	**<0.2 ug/l**	
pH	SM 4500H-B	AA01534	0.1	14-Jan-20	14-Jan-20	**7.5 pH Units**	A-01
Antimony	EPA 200.8	AA02032	1.0	20-Jan-20	24-Jan-20	**<1.0 ug/l**	

Respectfully Submitted,



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Attention: Ric Vardel
Report Date: 09-Apr-20 16:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20A0265-01) Collected: 14-Jan-20 By CA							
Inorganic Constituents							
Selenium	EPA 200.8	AA02032	2.0	20-Jan-20	24-Jan-20	**2.6 ug/l**	
Thallium	EPA 200.8	AA02032	1.0	20-Jan-20	24-Jan-20	**<1.0 ug/l**	
Uranium	EPA 200.8	AA02032	0.7	20-Jan-20	24-Jan-20	**0.8 pCi/L**	
Zinc	EPA 200.8	AA02032	1.0	20-Jan-20	24-Jan-20	**13 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AA01542	0.05	15-Jan-20	15-Jan-20	**0.08 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AA01826	12.5	18-Jan-20	19-Jan-20	**<12.5 ug/l**	
Chlorobenzene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Styrene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Tetrachloroethylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	

Respectfully Submitted,

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Attention: Ric Vardel
Report Date: 09-Apr-20 16:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20A0265-01) Collected: 14-Jan-20 By CA							
Volatile Organic Chemicals (VOCs)							
Toluene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**4.9 ug/l**	
Bromoform	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Chloroform	EPA 524.2	AA01826	12.5	18-Jan-20	19-Jan-20	**28.5 ug/l**	
Dibromochloromethane	EPA 524.2	AA01826	0.5	18-Jan-20	19-Jan-20	**<0.5 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AA01826		18-Jan-20	19-Jan-20	*92.3 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AA01826		18-Jan-20	19-Jan-20	*101 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AA01826		18-Jan-20	19-Jan-20	*102 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AA00912	20.0	15-Jan-20	06-Feb-20	**70.3 ug/l**	
Dichloroacetic Acid	EPA 552.2	AA00912	1.0	15-Jan-20	06-Feb-20	**18.6 ug/l**	
Trichloroacetic Acid	EPA 552.2	AA00912	1.0	15-Jan-20	06-Feb-20	**4.4 ug/l**	
Monobromoacetic Acid	EPA 552.2	AA00912	1.0	15-Jan-20	06-Feb-20	**<1.0 ug/l**	
Dibromoacetic Acid	EPA 552.2	AA00912	1.0	15-Jan-20	06-Feb-20	**<1.0 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AA00912		15-Jan-20	06-Feb-20	*87.1 % (60-140)*	
Bromate	EPA 300.0	AA02312	5.0	23-Jan-20	23-Jan-20	**<5.0 ug/l**	
Chlorite	EPA 300.0	AA02312	20.0	23-Jan-20	23-Jan-20	**<20.0 ug/l**	
Haloacetic Acids (HAA5)	[CALC]	[CALC]	24.0	18-Jan-20	06-Feb-20	**94.4 ug/l**	

Respectfully Submitted,



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Attention: Ric Vardel
Report Date: 09-Apr-20 16:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20A0265-01) Collected: 14-Jan-20 By CA							
Disinfection Byproducts							
Total Trihalomethanes	[CALC]	[CALC]	14.0	18-Jan-20	19-Jan-20	**33.8 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AA00911	0.01	15-Jan-20	21-Feb-20	**<0.01 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AA00911	0.02	15-Jan-20	21-Feb-20	**<0.02 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AA01425	2.0	14-Jan-20	24-Jan-20	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AA01425	2.0	14-Jan-20	24-Jan-20	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AA01425		14-Jan-20	24-Jan-20	*53.9 % (50-120)*	
Alachlor	EPA 507	AA01546	0.2	15-Jan-20	07-Feb-20	**<0.2 ug/l**	
Atrazine	EPA 507	AA01546	0.2	15-Jan-20	07-Feb-20	**<0.2 ug/l**	
Molinate	EPA 507	AA01546	0.2	15-Jan-20	07-Feb-20	**<0.2 ug/l**	
Simazine	EPA 507	AA01546	0.2	15-Jan-20	07-Feb-20	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AA01546	0.2	15-Jan-20	07-Feb-20	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AA01546		15-Jan-20	07-Feb-20	*49.0 % (40-120)*	
Chlordane	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Endrin	EPA 508	AA01426	0.01	15-Jan-20	06-Feb-20	**<0.01 ug/l**	
Heptachlor	EPA 508	AA01426	0.01	15-Jan-20	06-Feb-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AA01426	0.01	15-Jan-20	06-Feb-20	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AA01426	0.01	15-Jan-20	06-Feb-20	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AA01426	0.01	15-Jan-20	06-Feb-20	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AA01426	0.01	15-Jan-20	06-Feb-20	**<0.01 ug/l**	
Methoxychlor	EPA 508	AA01426	0.05	15-Jan-20	06-Feb-20	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	

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Attention: Ric Vardel
Report Date: 09-Apr-20 16:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20A0265-01) Collected: 14-Jan-20 By CA							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1254 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Toxaphene	EPA 508	AA01426	0.1	15-Jan-20	06-Feb-20	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AA01426		15-Jan-20	06-Feb-20	*57.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AA01426		15-Jan-20	06-Feb-20	*79.5 % (50-120)*	
Bentazon	EPA 515.1	AA01611	0.2	16-Jan-20	02-Feb-20	**<0.2 ug/l**	
2,4-D	EPA 515.1	AA01611	0.2	16-Jan-20	02-Feb-20	**<0.2 ug/l**	
Dalapon	EPA 515.1	AA01611	2.0	16-Jan-20	02-Feb-20	**<2.0 ug/l**	
Dinoseb	EPA 515.1	AA01611	0.2	16-Jan-20	02-Feb-20	**<0.2 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AA01611	0.2	16-Jan-20	02-Feb-20	**<0.2 ug/l**	
Picloram	EPA 515.1	AA01611	0.2	16-Jan-20	02-Feb-20	**<0.2 ug/l**	
2,4,5-TP	EPA 515.1	AA01611	0.2	16-Jan-20	02-Feb-20	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AA01611		16-Jan-20	02-Feb-20	*85.3 % (60-140)*	
Benzo (a) pyrene	EPA 550	AA01610	0.05	16-Jan-20	11-Feb-20	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AA01610		16-Jan-20	11-Feb-20	*50.7 % (45-120)*	
Carbofuran	EPA 632	AA00905	1.0	15-Jan-20	21-Feb-20	**<1.0 ug/l**	
Oxamyl	EPA 632	AA00905	2.0	15-Jan-20	21-Feb-20	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 632	AA00905		15-Jan-20	21-Feb-20	*89.1 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 4/9/2020
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 09-Apr-20 16:37
Subject: (MCC) Quarterly EFF

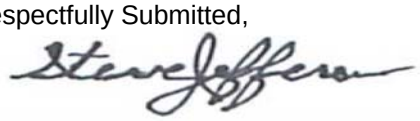
Project/P.O.#: (MCC) Quarterly EFF

Notes and Definitions

A-01 Langelier Index = -0.11 (Non-Corrosive)

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

Respectfully Submitted,



Steve Jefferson 4/9/2020
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

January 26, 2020 Ceres ID: 13292

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

The following report contains the results for the one aqueous sample received on January 17, 2020. 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 # 20A0265.

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
13292-001	IPC [MCC] EFF-Quarterly 20A0265-01	1/17/2020	1/14/2020	11:50

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 #:** 2124	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 1/23/2020
Project ID: 20A0265	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 1/24/2020

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.48	1.49	5.00		13C-2378-TCDD	89.8	31-137	
					CRS			
					37Cl4-2378-TCDD	81.3	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 #: 2124	**Date Extracted:** 1/23/2020
	Matrix: Aqueous	**ZB-5MS Analysis:** 1/24/2020
Project ID: 20A0265	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.82	7.3-14.6	13C-2378-TCDD	87.5	25-141
			CRS		
			37Cl4-2378-TCDD	84.1	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: IPC [MCC] EFF-Quarterly 20A0265-01		
Project ID: 20A0265	**Ceres Sample ID:** 13292-001	**Date Received:** 1/17/2020
	QC Batch #: 2124	**Date Extracted:** 1/23/2020
Date Collected: 1/14/2020	**Matrix:** Aqueous	**ZB-5MS Analysis:** 1/24/2020
Time Collected: 11:50	**Sample Size:** 0.953 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.48	1.49	5.25		13C-2378-TCDD	83.7	31-137	
					CRS			
					37Cl4-2378-TCDD	85.3	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**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

20A0265

SENDING LABORATORY:

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

RECEIVING LABORATORY:

Ceres Analytical Laboratoy, Inc
4919 Windplay Dr. Suite 1
El Dorado Hills, CA 95762
Phone :(916) 932-5011
Fax: (888) 932-5011

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20A0265-01 **Water**	**Sampled: 14-Jan-20 11:50**			**IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613	29-Jan-20 12:00	21-Jan-20 11:50		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	1-16-20 12:00pm	[signature]	1/17/20 10:50
Released By	Date	Received By	Date

□□□□□□□□□□

□□□□□□ □□□□□□□□□□□

OrderID: 322001047

SUBCONTRACT ORDER

Pat-Chem Laboratories #3220010 47

20A0265

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20A0265-01 Water	**Sampled: 14-Jan-20 11:50**			**IPC [MCC] EFF-Quarterly**
Asbestos Water	29-Jan-20 12:00	12-Jul-20 11:50		
Containers Supplied:				

waste water

8.1°c (WE)

Released By	Date	Received By	Date
[signature]	1-16-20 12:00pm	[signature]	01/16/2020 1340
Released By	Date	Received By	Date

Page 1 of 1

NORTH COAST LABORATORIES LTD.

January 30, 2020

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

Attn: Stephen Berensten

Order No.: 2001270
Invoice No.:
PO No.:
ELAP No.1247-Expires July 2020

RE: 20A0265

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	20A0265-01
01B	20A0265-01
01C	20A0265-01

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: 30-Jan-2020
WorkOrder: 2001270

CASE NARRATIVE

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 Jan

WorkOrder

ANALYTICAL REPORT

Client Sample ID A

Lab ID A

Received

Collected

Test Name EPA

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat dissolved	ND			µg/L			

Client Sample ID A

Lab ID B

Received

Collected

Test Name Endothall

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND			µg/L			
Surrogate D				Rec			

Client Sample ID A

Lab ID C

Received

Collected

Test Name Glyphosate

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND			µg/L			

North Coast Laboratories, Ltd.

Date: 1/30/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2001270
Project: 20A0265

QC SUMMARY REPORT

Method Blank

Sample ID: **MB-012720** Batch ID: **R102254** Test Code: **547W** Units: **µg/L** Analysis Date **1/28/2020 2:02:12 PM** Prep Date: **1/28/2020**
Client ID: Run ID: **ORLC9_200128A** SeqNo: **1456461**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID: **MB-38225** Batch ID: **38225** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 7:30:10 PM** Prep Date: **1/21/2020**
Client ID: Run ID: **ORGC14_200123A** SeqNo: **1455772**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	242	0.10	250	0	96.8%	78	117	0			

Sample ID: **MB-38223** Batch ID: **38223** Test Code: **549W** Units: **µg/L** Analysis Date **1/27/2020 4:21:05 PM** Prep Date: **1/21/2020**
Client ID: Run ID: **ORLC8_200127A** SeqNo: **1456479**

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: 1/30/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2001270
Project: 20A0265

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID: **LCS-012720** Batch ID: **R102254** Test Code: **547W** Units: **µg/L** Analysis Date **1/28/2020 2:23:58 PM** Prep Date: **1/28/2020**
Client ID: Run ID: **ORLC9_200128A** SeqNo: **1456462**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	48.31	5.0	50.0	0	96.6%	80	118	0			

Sample ID: **LCSD-012720** Batch ID: **R102254** Test Code: **547W** Units: **µg/L** Analysis Date **1/28/2020 2:45:43 PM** Prep Date: **1/28/2020**
Client ID: Run ID: **ORLC9_200128A** SeqNo: **1456463**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	49.88	5.0	50.0	0	99.8%	80	118	48.3	3.20%	30	

Sample ID: **LCS-38225** Batch ID: **38225** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 7:51:22 PM** Prep Date: **1/21/2020**
Client ID: Run ID: **ORGC14_200123A** SeqNo: **1455773**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	207.6	45	225	0	92.3%	61	114	0			
Surrogate: 2,3-D	242	0.10	250	0	96.6%	78	117	0			

Sample ID: **LCSD-38225** Batch ID: **38225** Test Code: **548W** Units: **µg/L** Analysis Date **1/23/2020 8:13:00 PM** Prep Date: **1/21/2020**
Client ID: Run ID: **ORGC14_200123A** SeqNo: **1455774**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	221.6	45	225	0	98.5%	61	114	208	6.49%	30	
Surrogate: 2,3-D	253	0.10	250	0	101%	78	117	242	4.73%	30	

Sample ID: **LCS-38223** Batch ID: **38223** Test Code: **549W** Units: **µg/L** Analysis Date **1/27/2020 4:31:48 PM** Prep Date: **1/21/2020**
Client ID: Run ID: **ORLC8_200127A** SeqNo: **1456480**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.812	0.40	2.00	0	90.6%	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: 2001270
Project: 20A0265

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID: **LCSD-38223** Batch ID: **38223** Test Code: **549W** Units: **µg/L** Analysis Date **1/27/2020 4:53:15 PM** Prep Date: **1/21/2020**
Client ID: Run ID: **ORLC8_200127A** SeqNo: **1456481**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.884	0.40	2.00	0	94.2%	70	130	1.81	3.90%	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

SUBCONTRACT ORDER

2081270. 2081270

Pat-Chem Laboratories

20A0265

SENDING LABORATORY:

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

RECEIVING LABORATORY:

North Coast Laboratories
5680 W End Road
Arcata, CA 95521
Phone :(707) 822-4649
Fax: (707) 822-6831

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20A0265-01 **Water**	**Sampled: 14-Jan-20 11:50**			**IPC [MCC] EFF-Quarterly**
549 Diquat	29-Jan-20 12:00	21-Jan-20 11:50		
548.1 Endothall	29-Jan-20 12:00	21-Jan-20 11:50		
547 Glyphosate	29-Jan-20 12:00	28-Jan-20 11:50		
Containers Supplied:				

✓ Res. Cl ok.

Released By	Date	Received By	Date
[signature]	1-16-20 12:00pm	[signature]	1/20/20 10:00
			<6°C as per Rx
Released By	Date	Received By	Date

March 10, 2020

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

Lab ID : SP 2000769
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
20A0265-01	01/14/2020	01/16/2020	SP 2000769-001	DW

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 - Metals QC

200.8	03/03/2020:203483 All analysis quality controls are within established criteria.
	03/03/2020:202446 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	02/04/2020:201834 All analysis quality controls are within established criteria.
	01/21/2020:200735 All preparation quality controls are within established criteria, except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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

March 10, 2020 Lab ID : SP 2000769
Pat-Chem Laboratories Customer : 2-12670

Radio QC

903.0	01/31/2020:201614 All analysis quality controls are within established criteria.
	01/21/2020:200762 All preparation quality controls are within established criteria.
905.0	02/09/2020:202281 All analysis quality controls are within established criteria.
	01/26/2020:200913 All preparation quality controls are within established criteria.
906.0	01/23/2020:201553 All analysis quality controls are within established criteria.
	01/22/2020:200776 All preparation quality controls are within established criteria.
Ra - 05	02/09/2020:202187 All analysis quality controls are within established criteria.
	02/05/2020:201187 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	01/23/2020:201234 All analysis quality controls are within established criteria.
	01/22/2020:200861 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: 2020-03-10

March 10, 2020

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

Description : 20A0265-01
Project : 20A0265

Lab ID : SP 2000769-001
Customer ID : 2-12670

Sampled On : January 14, 2020-11:50
Sampled By : Not Available
Received On : January 16, 2020-16:35
Matrix : Drinking Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	MCL/AL	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Wet Chemistry								
Perchlorate	ND	4	ug/L	6	314.0	01/22/20:200861	314.0	01/23/20:201234

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.
MCL = Maximum Contamination Level. 2 - Secondary Standard. 3 - CDPH Notification Level. AL = Regulatory Action Level.

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

March 10, 2020

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

Description : 20A0265-01
Project : 20A0265

Lab ID : SP 2000769-001
Customer ID : 2-12670

Sampled On : January 14, 2020-11:50
Sampled By : Not Available
Received On : January 16, 2020-16:35
Matrix : Drinking 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	10.0 ± 1.91	1.18	pCi/L	15/5	900.0	01/21/20-10:25 2P2000735	900.0	02/04/20-14:17 2A2001834
Gross Beta	12.1 ± 1.43	1.03	pCi/L	50	900.0	01/21/20-10:25 2P2000735	900.0	02/04/20-14:17 2A2001834
Strontium 90	0.000 ± 0.243	0.546	pCi/L	8	905.0	01/26/20-13:30 2P2000913	905.0	02/09/20-14:20 2A2002281
Total Alpha Radium (226)	0.036 ± 0.070	0.362	pCi/L	3	903.0	01/21/20-17:40 2P2000762	903.0	01/31/20-13:40 2A2001614
Tritium	61.4 ± 266	434	pCi/L	20000	906.0	01/22/20-09:45 2P2000776	906.0	01/23/20-08:55 2A2001553
Ra 228	0.276 ± 0.786	0.400	pCi/L	2	Ra - 05	02/05/20-18:30 2P2001187	Ra - 05	02/09/20-13:30 2A2002187

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

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2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
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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
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

March 10, 2020 Lab ID : SP 2000769
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	02/04/20:201834JCA	CCV	cpm	7724	41.3 %	35-47	
			CCB	cpm		0.1400	0.18	
Beta	900.0	02/04/20:201834JCA	CCV	cpm	7724	93.6 %	83-94	
			CCB	cpm		0.4400	0.48	
Gross Alpha	900.0	01/21/20:200735iwc	Blank	pCi/L		0.64	3	
			LCS	pCi/L	155.2	83.7 %	75-125	
			MS	pCi/L	620.9	40.5 %	60-140	435
		(SP 2000712-001)	MSD	pCi/L	620.9	40.8 %	60-140	435
			MSRPD	pCi/L	620.9	0.7%	≤30	
Gross Beta	900.0	01/21/20:200735iwc	Blank	pCi/L		0.11	4	
			LCS	pCi/L	26.22	149 %	84-160	
			MS	pCi/L	104.9	28.7 %	80-130	435
		(SP 2000712-001)	MSD	pCi/L	104.9	29.8 %	80-130	435
			MSRPD	pCi/L	620.9	3.3%	≤30	
Alpha	903.0	01/31/20:201614JCA	CCV	cpm	8074	40.3 %	37-46	
			CCB	cpm		0.0800	0.16	
Total Alpha Radium (226)	903.0	01/21/20:200762emv	RgBlk	pCi/L		-0.01	2	
			LCS	pCi/L	23.33	61.9 %	52-107	
			BS	pCi/L	23.32	60.7 %	43-111	
			BSD	pCi/L	23.32	61.4 %	43-111	
			BSRPD	pCi/L	23.32	1.1%	≤35.5	
Beta	905.0	02/09/20:202281emv	CCV	cpm	8066	89.6 %	85-93	
			CCB	cpm		0.4000	0.58	
Total Strontium	905.0	01/26/20:200913emv	RgBlk	pCi/L		0.33	2	
			LRS	pCi/L	15.37	105 %	53-133	
			BS	pCi/L	15.35	101 %	75-125	
			BSD	pCi/L	15.35	92.8 %	75-125	
			BSRPD	pCi/L	15.35	8.0%	≤20	
Tritium	906.0	01/22/20:200776jca	Blank	pCi/L		4	<300	
			LCS	pCi/L	1713	105 %	75-125	
			BS	pCi/L	1713	95.4 %	75-125	
			BSD	pCi/L	1713	103 %	75-125	
			BSRPD	pCi/L	1713	7.9%	≤25	
	906.0	01/23/20:201553jca	CCV	pCi/L	24960	99.6 %	90-110	
			CCB	pCi/L		114	500	
Beta	Ra - 05	02/09/20:202187emv	CCV	cpm	8068	89.3 %	84-94	
			CCB	cpm		0.4400	0.48	
Ra 228	Ra - 05	02/05/20:201187emv	RgBlk	pCi/L		0.03	3	
			LRS	pCi/L	13.76	73.1 %	65-108	
			BS	pCi/L	13.76	75.6 %	75-125	
			BSD	pCi/L	13.76	89.4 %	75-125	
			BSRPD	pCi/L	13.76	1.9	≤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.

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

March 10, 2020 Lab ID : SP 2000769

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.

March 10, 2020 Lab ID : SP 2000769

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Uranium	200.8		MS	ug/L	5.000	124 %	75-125	
		(SP 2002730-001)	MSD	ug/L	5.000	129 %	75-125	435
			MSRPD	ug/L	5.000	1.3%	≤20	
	200.8	03/03/20:203483AC	CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		-0.002	0.2	
			CCV	ppb	120.0	106 %	90-110	
			CCB	ppb		-0.001	0.2	
Wet Chem								
Perchlorate	314.0	01/22/20:200861MCA	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	100 %	85-115	
			MS	ug/L	25.00	88.1 %	80-120	
		(SP 2000706-001)	MSD	ug/L	25.00	90.0 %	80-120	
			MSRPD	ug/L	25.00	2.0%	≤15	
		(SP 2000706-001)	Dup	ug/L		0.40	4	
	314.0	01/23/20:201234MCA	CCB	ppb		0.48	2.0	
			CCV	ppb	10.00	97.8 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	97.4 %	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.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
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.

SUBCONTRACT ORDER

Pat-Chem Laboratories

20A0265

2007169

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20A0265-01 **Water**	**Sampled: 14-Jan-20 11:50**			**IPC [MCC] EFF-Quarterly**
Tritium (Sub out)	29-Jan-20 12:00	16-Jan-20 11:50		
Sr-90 (Strontium 90)	29-Jan-20 12:00	12-Jul-20 11:50		
Radium 226 228	29-Jan-20 12:00	12-Jul-20 11:50		
Perchlorate 314.0	29-Jan-20 12:00	11-Feb-20 11:50		
Gross beta SUB	29-Jan-20 12:00	12-Jul-20 11:50		
Gross alpha SUB	29-Jan-20 12:00	12-Jul-20 11:50		
Containers Supplied:				
Drinking water				

Released By	Date	Received By	Date
[signature]	1-16-20 12:00pm	[signature]	1/16/20 1035
Released By	Date	Received By	Date

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.#: 20A0265

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Quarterly	Page 1 of 2
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	01/14/20	1150	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JAN 14 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/14/19	1230
Received by			1/14/20	1230
Relinquished by			1/14/20	1400
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1-14-20	1604

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

Rev 2 Effective 5/1/17

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.#: 20A0265

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Quarterly	Page 2 of 2
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	01/14/20	1150	5	Radium-226 & 228 (Sub-Out) Gross Alpha, Gross Beta	Grab	AQ	1L P	4°C	
			1	Strontium-90 (Sub-Out)	Grab	AQ	1L P	4°C	
			1	Tritium (Sub-Out)	Grab	AQ	VOA	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	
			1	Asbestos (Sub-Out)	Grab	AQ	1L P	4°C	

RECEIVED
JAN 14 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/14/20	1230
Received by	EC	Carlos	1/14/20	1230
Relinquished by	EC	Carlos	1/14/20	1400
Received by				
Relinquished by				
Received in lab by		Alexander Tan	1-14-20	1604

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

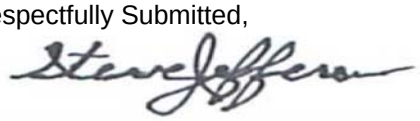
Attention: Ric Vardel
Report Date: 20-Jan-20 15:53
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0285-01) Collected: 15-Jan-20 By Golan Kfir						
pH	SM 4500H-B	AA01552	0.1	15-Jan-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01554	0.05	15-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01533	1.8	17-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01533	1.8	17-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0285

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/15/20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.26
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 15 2020
By GK

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	1/15/20	12:00
Received by	[illegible]	1/15/20	1230
Relinquished by	[illegible]	1/15/20	1420
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1-15-20	1452

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: 22-Jan-20 15:28
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0290-01) Collected: 15-Jan-20 By Golan Kfir						
Ammonia as N	EPA 350.1	AA01706	0.10	17-Jan-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA02034	0.10	21-Jan-20 (LA)	0.90 mg/l	
Total Suspended Solids	SM2540D	AA01614	1	17-Jan-20 (EA)	1 mg/l	
Nitrate as N	EPA 353.2	AA01535	0.02	15-Jan-20 (LA)	2.74 mg/l	
Nitrite as N	EPA 353.2	AA01535	0.02	15-Jan-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20A0290-02) Collected: 14-Jan-20 By Golan Kfir						
Biochemical Oxygen Demand	SM 5210B	AA01613	2	21-Jan-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0290

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
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	1/15/20	11:30	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	1/19/20	0:00	1	BOD	~~Grab~~ Comp.	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 15 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: ok	Golan IPC	1/15/20	12:00
Received by: Elo	Guard PM	1,15,20	1230
Relinquished by: Elo	Guard PM	1,15,20	1420
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	1-15-20	1505

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(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

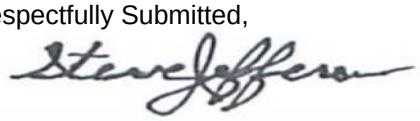
Attention: Ric Vardel
Report Date: 20-Jan-20 15:55
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0314-01) Collected: 16-Jan-20 By C.A.						
pH	SM 4500H-B	AA01617	0.1	16-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01618	0.05	16-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01606	1.8	18-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01606	1.8	18-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0314

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
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 °C
EFF	01/16/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 8.4
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCH									
Global ID: WDR100000359									

RECEIVED
JAN 16 2020
By Alex Walker Jr.

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CDE)	01/16/20	2:20 pm
Received by		Jairo Mendivar	1/16/20	2:20 Pm
Relinquished by		Jairo Mendivar	1/16/20	15:45
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	1/16/20	1432

Sample Received Checklist

Temperature upon receipt: 8.4 °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: 20-Jan-20 15:57
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0336-01) Collected: 17-Jan-20 By C.A.						
pH	SM 4500H-B	AA01714	0.1	18-Jan-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01715	0.05	17-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01705	1.8	19-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01705	1.8	19-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0336

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	01/17/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.57 / 20.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 17 2020
By ALEX WALKER JR

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alfaro (ERC)	01/17/20	12:05
Received by	Armando Ochoa (ERC)	1/17/20	12:05
Relinquished by	Armando Ochoa (ERC)	1/17/20	14:40
Received by			
Relinquished by			
Received in lab by	ALEX WALKER JR	1/17/20	13:13

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

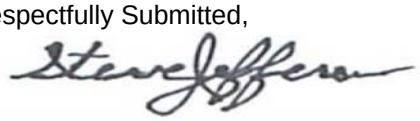
Attention: Ric Vardel
Report Date: 22-Jan-20 15:17
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0361-01) Collected: 18-Jan-20 By MA						
pH	SM 4500H-B	AA01827	0.1	18-Jan-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AA01828	0.05	18-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01822	1.8	21-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01822	1.8	21-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0361

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/18/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	1/18/20	9:50
Received by	Jose L Gomez	1/18/20	1017
Relinquished by	Jose L Gomez	1/18/20	1220
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	1/18/20	1220

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

Rev 2 Effective 5/1/17

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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: 22-Jan-20 15:22
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0366-01) Collected: 19-Jan-20 By VA						
pH	SM 4500H-B	AA02237	0.1	19-Jan-20 (JC)	8.0 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02035	0.05	20-Jan-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA01926	1.8	21-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA01926	1.8	21-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/22/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0366

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	1/19/2020	09:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.05 / 20.3 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 19 2020
By ALEX WALKER JR

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	1/19/2020	09:55
Received by	Alex Walker Jr	1-19-20	10:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by	ALEX WALKER JR	1-19-20	1323

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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: 02-Feb-20 12:12
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0380-01) Collected: 20-Jan-20 By GK						
pH	SM 4500H-B	AA02237	0.1	20-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02128	0.05	21-Jan-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02038	1.8	22-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02038	1.8	22-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0380

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	1/20/20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5 / 19.1 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPC! Global ID: WDR100000359									

RECEIVED
JAN 20 2020
By ALEX WALKER Jr

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/20/20	11:40
Received by:	[illegible]	1/20/20	11:40
Relinquished by:	Cindy Mayorga	1/20/20	12:45
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	1-20-20	1254

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: 02-Feb-20 12:15
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0402-01) Collected: 21-Jan-20 By CA						
pH	SM 4500H-B	AA02237	0.1	21-Jan-20 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02238	0.05	22-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02136	1.8	23-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02136	1.8	23-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20AC4102

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	01/21/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/17.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracke: EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 21 2020
By ALEX WALKER JR

Signature	Print Name (Company)	Date	Time
Relinquished by: C. D.	Carlos Alvarez (GRC)	01/21/20	1230
Received by: EC Enrique M		1/21/20	1230
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	ALEX WALKER JR	1-21-20	1349

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 02-Feb-20 12:03
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20A0452-01) Collected: 21-Jan-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AA02308	2	28-Jan-20 (RM)	489 mg/l	
Total Suspended Solids	SM2540D	AA02309	1	24-Jan-20 (EA)	789 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20170452

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	01/21/20	0000	1	TSS	~~Grab~~ Composite	AQ	1L P	4°C	7.1 / 16.1
1	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		Carlos Alvarez (IPC)	01/22/20	11:20
Received by		Cindy Martinez (PCL)	1/22/20	11:20
Relinquished by		Cindy Martinez (PCL)	1/22/2020	13:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	1/22/2020	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
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 released from time to time by PCL.

2. Independent Contractor

PCL at all times 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 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 Walterboard (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 test sample materials provided to client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is otherwise available to the public or 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 by legal process. PCL shall use the same standard of care it uses for protecting its own confidential data and shall not be responsible for unauthorized disclosure of information when such disclosure was done with PCL's written authorization or consent. PCL shall have the right to publish, print and otherwise disseminate knowledge gained from its services and the results of their analysis; provided, however, that such shall be in such a form that no third party beneficiary receives data or information pertaining exclusively to Client, Client's business or any 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 (at Client's sole cost and expense) 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), and assets 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, use of, or loss of value of property and/or 3. environmental impairment of any kind. 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 does specifically apply to actions, claims (whether actions of every kind and character arising out of or in connection with the negligent acts or omissions of individuals and unidentified persons, 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. If PCL and the client are both negligent, they will be liable in proportion to their relative degrees of negligence as determined by 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 as used herein (including, without limitation, attorney's fees, court costs, service, jury, expert interest), or any other expenses or costs incurred by client or any other party in 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 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 follows all 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 in particular matter 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

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the date of acceptance of the order, 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 services completed is required for all new clients or service orders 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 (net thirty (30) days from date of invoice). In the latest event each item or part of an invoice remaining unpaid in whole or in part after the expiration 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 and collection is given to an attorney, the client shall pay reasonable costs and attorney's fees incurred 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 client's authorized representative. Client shall acknowledge 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 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 of samples that are obtained 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 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 hours, samples must arrive at the lab within 23 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) is 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

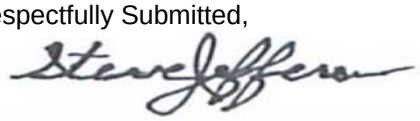
Attention: Ric Vardel
Report Date: 02-Feb-20 12:17
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0451-01) Collected: 22-Jan-20 By CA						
pH	SM 4500H-B	AA02251	0.1	22-Jan-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02248	0.05	22-Jan-20 (JC)	0.87 mg/l	
Fecal Coliforms	SM 9221E	AA02235	1.8	24-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02235	1.8	24-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0451

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/22/20	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 14.0
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (SRL)	01/22/20	11:20
Received by		Cindy Martinez	1/22/2020	11:20
Relinquished by		Cindy Martinez (PCL)	1/22/2020	13:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	1/22/2020	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
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
QT - 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" are collectively Terms and Conditions of sale, including the price schedule, and any addenda or amendments which have been agreed to in writing. "Client" means the individual or entity who has requested laboratory services, submitted or arranged samples and/or is its/their successors, assigns and representatives. "Pat-Chem Laboratories (PCL)" means Pat-Chem Laboratories (PCL) as defined above or such other document may be amended or re-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 constitute agency PCL and the Client and form a binding contract. No agreement is binding unless it is 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 constitutes Client's agreement to be bound by these Terms and Conditions. The Client's delivery of samples to PCL or its affiliates / consulting agents constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions appearing in a client's document shall be deemed accepted or a part of any contract created upon acceptance of the Terms and Conditions.

   For the 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 applicable standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are as industrial standards with the U.S. Environmental Protection Agency (USEPA), U.S. Waterworld (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 as 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 in a manner 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 invoiced amount for said services. Client's acceptance of a work order and /or disposal 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 collection which the samples are collected and for conditions in and about the sampling site and for assuring 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**

   [illegible]

10. **Hold Harmless**

    [illegible]

11. **Hazardous Substances**

    [illegible]

12. **Prices/Payments**

    [illegible]

13. **Agreement Modification**

    [illegible]

14. **No Third Party Beneficiaries: No Right of Reliance**

    [illegible]

15. **Rush Analysis**

    [illegible]

16. **Holding Times**

    [illegible]

17. **Sample Retention**

    [illegible]

18. **Sample Pick Up/Field Tech Sampling**

    [illegible]

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

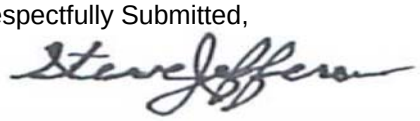
Attention: Ric Vardel
Report Date: 02-Feb-20 12:00
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0453-01) Collected: 22-Jan-20 By GK						
Ammonia as N	EPA 350.1	AA02311	0.10	23-Jan-20 (SS)	0.52 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA02735	0.10	28-Jan-20 (LA)	0.60 mg/l	
Total Suspended Solids	SM2540D	AA02309	1	24-Jan-20 (EA)	2 mg/l	
Nitrate as N	EPA 353.2	AA02240	0.02	22-Jan-20 (LA)	3.47 mg/l	
Nitrite as N	EPA 353.2	AA02240	0.02	22-Jan-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20A0453-02) Collected: 22-Jan-20 By GK						
Biochemical Oxygen Demand	SM 5210B	AA02308	2	28-Jan-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0453

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/22/20	1050	1	TSS	Grab	AQ	1L P	4°C	~~7.3~~
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	7.5 / 19.6
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	01/21/20	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		Carlos Alvarez (IPC)	01/22/20	11:20
Received by		Cindy (PCL)	1/22/20	11:20
Relinquished by		Cindy Martinez (PCL)	1/22/2020	13:30
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	1/22/2020	1330

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 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 Wallenpaupack (EEAP), 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.

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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 provided by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain) to client but Client 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 confidential information caused by employees or other parties. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall have no third party beneficiaries of its documents, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other know-how.

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 expenses (including, reasonable, 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 and/or transportation, handling or disposal of client's hazardous materials, 1. injury, sickness or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. Environmental 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 of or breach of contract by any unidentified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which 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 in Other Text (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 third party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement except if client is the prevailing party.

11. Hazardous Substances

You (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, policies or regulation (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 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 operation 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 is required when analysis is completed is required for all new clients or until a full credit 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 30DM using many EOM days from date of invoice. To the fullest extent permitted by or law 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 to reimburse costs and attorney's fees or taxes' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if executed 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 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 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 48 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 ensure that the holding times can be met. Short holding times of 48 hours or less (Escherichia 6 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. 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 noticed 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

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9297 Research Drive
Irvine CA, 92618

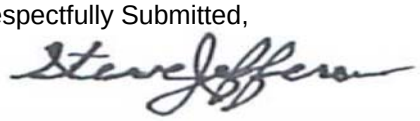
Attention: Ric Vardel
Report Date: 02-Feb-20 12:21
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0479-01) Collected: 23-Jan-20 By Golan Kfir						
pH	SM 4500H-B	AA02323	0.1	23-Jan-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02320	0.05	23-Jan-20 (JC)	0.29 mg/l	
Fecal Coliforms	SM 9221E	AA02314	1.8	25-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02314	1.8	25-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2040479

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	1/23/20	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44 / 19.7°C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
JAN 23 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	1/23/20	11:15
Received by:	Armando Cruz (PCL)	1/23/20	17:20
Relinquished by:	Armando Cruz (PCL)	1/23/20	19:00
Received by:			
Relinquished by:			
Received in lab by:	Alex Martinez Jr	1/23/20	1449

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

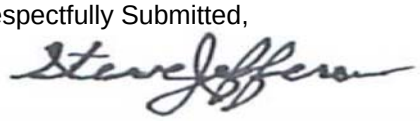
Attention: Ric Vardel
Report Date: 02-Feb-20 12:23
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0516-01) Collected: 24-Jan-20 By C. A.						
pH	SM 4500H-B	AA02526	0.1	24-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02525	0.05	25-Jan-20 (JC)	0.09 mg/l	
Fecal Coliforms	SM 9221E	AA02412	1.8	26-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02412	1.8	26-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0516

Customer: ~~IPC, Inc.~~ (MCC) Daily EFF
Project :

Address: ~~9297 Research Drive~~ Irvine CA 92618
Sampled by: C. [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	01/24/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.67/16.5°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JAN 24 2020
By [signature]

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (Carl)	01/24/20	17:20
Received by	[signature]	Armando Amos (Pat Chem)	1/24/20	17:20
Relinquished by	[signature]	Armando Amos (Pat Chem)	1/24/20	13:45
Received by				
Relinquished by				
Received in lab by	[signature]	Alex Waiwa Jr	1/24/20	1402

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: 02-Feb-20 12:27
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0527-01) Collected: 25-Jan-20 By Mario Aquirre						
pH	SM 4500H-B	AA03114	0.1	25-Jan-20 (JC)	6.9 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02529	0.05	25-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02524	1.8	27-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02524	1.8	27-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0527

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** Mario Aguirre	**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	1/25/20	9:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.92
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
JAN 25 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/25/20	9:57
Received by			1,25,20	1030
Relinquished by			1,25,20	1115
Received by				
Relinquished by				
Received in lab by		Alex Walton Jr	1-25-20	1125

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

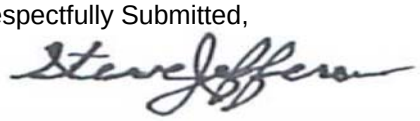
Attention: Ric Vardel
Report Date: 02-Feb-20 12:30
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0534-01) Collected: 26-Jan-20 By VA						
pH	SM 4500H-B	AA03114	0.1	26-Jan-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02825	0.05	27-Jan-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02621	1.8	28-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02621	1.8	28-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0534

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR AZIKIAN	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	1/26/2020	10:16	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	"	"							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 26 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR AZIKIAN (IPC)	1/26/2020	10:16
Received by	Alex Walker Jr	1-26-20	10:55
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1-26-20	1329

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

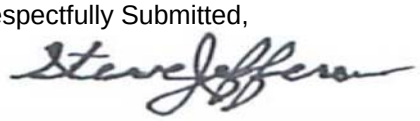
Attention: Ric Vardel
Report Date: 02-Feb-20 12:33
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0545-01) Collected: 27-Jan-20 By GK						
pH	SM 4500H-B	AA03114	0.1	27-Jan-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02825	0.05	28-Jan-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02738	1.8	29-Jan-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02738	1.8	29-Jan-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0545

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/27/20	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.34
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 27 2020
By Alex Wallace Jr

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	1/27/20	
Received by		1/27/20	1230
Relinquished by		1/27/20	1830
Received by			
Relinquished by			
Received in lab by	Alex Wallace Jr	1-27-20	1327

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

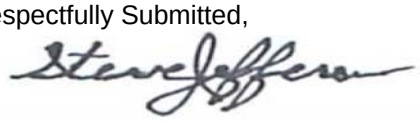
Attention: Ric Vardel
Report Date: 02-Feb-20 12:36
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0573-01) Collected: 28-Jan-20 By C.A.						
pH	SM 4500H-B	AA03114	0.1	28-Jan-20 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500Cl-G	AA02924	0.05	29-Jan-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02828	1.8	30-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02828	1.8	30-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0573

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/28/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 28 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (GSE)	01/28/20	1250
Received by	Jair & Menjivar	1-28-20	12:50p
Relinquished by	Jair & Menjivar	1-28-20	3:00pm
Received by			
Relinquished by			
Received in lab by	Alex Ubaldino Jr	1-28-20	1510

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

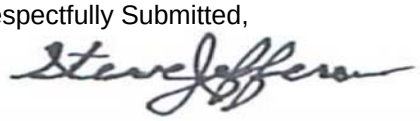
Attention: Ric Vardel
Report Date: 16-Feb-20 16:36
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20A0597-01) Collected: 28-Jan-20 By JL						
Biochemical Oxygen Demand	SM 5210B	AA03017	2	04-Feb-20 (RM)	464 mg/l	
Total Suspended Solids	SM2540D	AA03019	1	31-Jan-20 (EA)	324 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0597

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Julio Lea		**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	01-28-20	00:00	1	TSS	Comp	AQ	1L P	4°C	7.32/16.7°C
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 29 2020
By CW

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Lea	01-28-20	17:20
Received by	[illegible] (Pat-Chem)	1/29/20	17:20
Relinquished by	[illegible] (Pat-Chem)	1/29/20	15:35
Received by			
Relinquished by			
Received in Lab by	Alex Walker Jr	1/29/20	1441

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 02-Feb-20 12:39
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0592-01) Collected: 29-Jan-20 By JL						
pH	SM 4500H-B	AA03114	0.1	29-Jan-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AA03021	0.05	30-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA02928	1.8	31-Jan-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA02928	1.8	31-Jan-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0592

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	01-29-20	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.58/19.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 29 2020
By AV

Signature	Print Name (Company)	Date	Time
Relinquished by	JUCIO LEAL	1-29-20	12:20
Received by	[illegible]	1/29/20	12:20
Relinquished by	[illegible]	1/29/20	15:35
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	1/29/20	1339

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 - $CuSO_4$

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Feb-20 16:32
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0596-01) Collected: 29-Jan-20 By JL						
Ammonia as N	EPA 350.1	AA03109	0.10	31-Jan-20 (SS)	0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB00329	0.10	04-Feb-20 (LA)	0.63 mg/l	
Total Suspended Solids	SM2540D	AA03019	1	31-Jan-20 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AA03014	0.02	30-Jan-20 (LA)	2.00 mg/l	
Nitrite as N	EPA 353.2	AA03014	0.02	30-Jan-20 (LA)	0.03 mg/l	
EFF (Sample I.D.# : 20A0596-02) Collected: 28-Jan-20 By JL						
Biochemical Oxygen Demand	SM 5210B	AA03017	2	04-Feb-20 (RM)	2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0596

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	01-29-20	10:30	1	TSS	Grab	AQ	1L P	4°C	7.59/21.0°C
			1	Ammonia, TKN	Grab	AQ	500 P	HS	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	01-28-20	00:00	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JAN 29 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	1-29-20	12:20
Received by	Armando Ochoa (IPC)	1/29/20	12:20
Relinquished by	Armando Ochoa (IPC)	1/29/20	15:35
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	1/29/20	1437

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
(HS) - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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

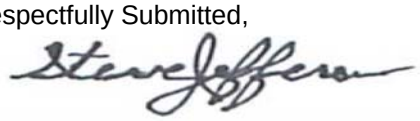
Attention: Ric Vardel
Report Date: 02-Feb-20 12:42
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0613-01) Collected: 30-Jan-20 By Carlos A. of IPC						
pH	SM 4500H-B	AA03114	0.1	30-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AA03116	0.05	31-Jan-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA03012	1.8	01-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA03012	1.8	01-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/2/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0613

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	01/30/20	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 21.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
JAN 30 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	01/30/20	12:15
Received by		Armando Olmos (Patchem)	1/30/20	12:15
Relinquished by		Armando Olmos (Patchem)	1/30/20	15:00
Received by				
Relinquished by				
Received in lab by		Alex Wamm Jr	1/30/20	1458

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab) Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 03-Feb-20 13:09
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20A0636-01) Collected: 31-Jan-20 By Golan Kfir						
pH	SM 4500H-B	AB00127	0.1	31-Jan-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00125	0.05	01-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AA03113	1.8	02-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AA03113	1.8	02-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/3/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20A0636

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	1/31/20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51/17.8°
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode. IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 31 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/31/20	11:40
Received by:	Armitage Cans (ARC)	1/31/20	12:00
Relinquished by:	Armitage Cans (ARC)	1/31/20	15:20
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	1/31/20	1423

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: 16-Feb-20 15:46
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0004-01) Collected: 01-Feb-20 By Mario Aquirre						
pH	SM 4500H-B	AB00226	0.1	01-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00225	0.05	02-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00124	1.8	03-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00124	1.8	03-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0004

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/1/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
FEB 01 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	2/1/20	1142
Received by	Alex Walker Jr	2/1/20	1142
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	2/1/20	1512

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" "Terms", "these Terms" and Conditions of sale" including the price proposal, and any additional or supplemental terms which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, controlling or selling the samples and his or its heirs, successors, assigns and representatives. "Pat-Chem Laboratories (PCL)" as referenced in such documents 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 Client's orders for services (as defined hereinafter) only under the following Terms and Conditions (the "Terms"). These Terms shall govern all of PCL and the Client's (as hereinafter defined) relationships unless a written agreement in writing which specifically negotiates the Terms, for 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 request or quote (COQ) 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 agreement to be bound to these terms and conditions.

The Client's delivery of samples to PCL or receipt of consulting services constitutes the client's express assent to be governed by these terms and conditions. No different 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), SW-846 and 40 CFR, ASTM, 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 responsibility of PCL, its officers, agents, employees or contractors 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 anticipates a of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services rendered including any extensions to the contract or any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the risks and all precautions 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 relationship and PCL shall not unless required by law or lawfully requested by U.S. court to [illegible] in addition to various applicable laws or generally available to the public, or to the extent disclosure is [illegible] PCL for any reason related to [illegible] or [illegible] the agreement between the parties, or [illegible] PCL hereby agrees to hold in confidence and not disclose to any third party any [illegible] PCL hereby agrees to hold in confidence and not disclose to any third party any [illegible] exclusive use and benefit of [illegible] Client shall not be liable to third parties for [illegible] or [illegible] Client will not disclose to any third party any [illegible] [illegible] [illegible]

10. Hold Harmless

Client releases, [illegible] and [illegible] [illegible] officers, agents, employees, [illegible] [illegible] [illegible]

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

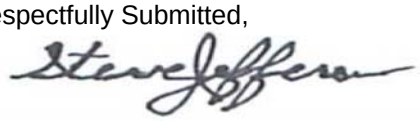
Attention: Ric Vardel
Report Date: 16-Feb-20 15:51
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0015-01) Collected: 02-Feb-20 By VA						
pH	SM 4500H-B	AB00540	0.1	02-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00330	0.05	03-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00224	1.8	05-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00224	1.8	05-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0015-01

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARSKIAN	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	2/2/2020	10:31	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
FEB 02 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARSKIAN (IPC)	2/2/2020	10:31
Received by	Alex Walk Jr	2/2/20	1031
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	2/2/20	14:12

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

2. **Independent Contractor**

3. **Orders and Acceptance**

4. **Limit of Liability**

5. **Clients Responsibility**

6. **Cancellation**

7. **Overriding Agreement**

8. **Force Majeure**

9. **Confidentiality**

10. **Hold Harmless**

11. **Hazardous Substances**

12. **Prices/Payments**

13. **Agreement Modification**

14. **No Third Party Beneficiaries: No Right of Reliance**

15. **Rush Analysis**

16. **Holding Times**

17. **Sample Retention**

18. **Sample Pick Up/Field Tech Sampling**

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

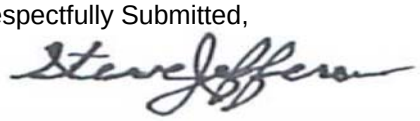
Attention: Ric Vardel
Report Date: 16-Feb-20 15:54
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0027-01) Collected: 03-Feb-20 By CA						
pH	SM 4500H-B	AB00540	0.1	03-Feb-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00330	0.05	03-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00326	1.8	05-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00326	1.8	05-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0027

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	02/03/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.42/14.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	02/03/20	1200
Received by		ARMANDO OLMOS (PCL)	2/3/20	1200
Relinquished by		ARMANDO OLMOS (PCL)	2/3/20	1320
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	2/3/2020	320

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Feb-20 16:27
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0034-01) Collected: 03-Feb-20 By CA						
Boron	EPA 200.7	AB00430	0.10	05-Feb-20 (AF)	0.37 mg/l	
MBAS	SM 5540 C	AB00427	0.05	04-Feb-20 (PL)	0.08 mg/l	
Oil & Grease (HEM)	EPA 1664A	AB00429	5	05-Feb-20 (PL)	<5 mg/l	
Phosphorus, Total as P	EPA 365.3	AB00619	0.02	07-Feb-20 (LA)	1.55 mg/l	
Total Dissolved Solids	SM 2540C	AB00434	5	05-Feb-20 (RM)	960 mg/l	
Chloride	EPA 300.0	AB00428	1.0	04-Feb-20 (RM)	279 mg/l	
Sulfate as SO4	EPA 300.0	AB00428	0.5	04-Feb-20 (RM)	199 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0034

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	02/03/20	1150	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.36 / 16.6°C
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by:		Carlos Alvarez (PCL)	02/03/20	17:00
Received by		Armando Ochoa (PCL)	7/7/21	12:00
Relinquished by		ARMANDO OCHOA (PCL)	2/3/20	1320
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	2/3/2020	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
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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

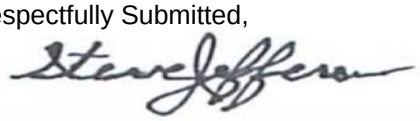
Attention: Ric Vardel
Report Date: 16-Feb-20 15:56
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0063-01) Collected: 04-Feb-20 By VA						
pH	SM 4500H-B	AB00540	0.1	04-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00541	0.05	05-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00438	1.8	06-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00438	1.8	06-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0063

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C.A.	**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	02/04/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.A.	Carlos Alvarez (IPC)	02/04/20	
Received by	Eb	Eneb (PCL)	2/4/20	1130
Relinquished by	Eb	Eneb (PCL)	2.4.20	1330
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	2/4/20	13:30

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 requests laboratory services, consulting or sampling services and his or its agents, 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 letter of request (LOR) 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), U.K. Wastewater (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 associates 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, where 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 to PCL, client's property and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is publicly disclosed by client) and PCL or any of its employees, officers, directors, affiliates, agents or subcontractors shall not disclose the same to any third party without client's prior written consent. PCL shall use the same standard of care it uses to protect its own confidential information. Disclosure of said data, when such disclosure is required by PCL reports and information pertaining thereto are for the sole use and benefit of, and shall not be relied upon by, any third party (including any third party to whom client may show or give a copy of PCL reports, data or information). Client will not disclose to any third party any information pertaining to PCL's methodologies, quality assurance and quality control.

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 liabilities, losses or damages, claims, demands, causes of action, suits and expenses (including, but not limited to, all costs, fees and litigation and investigation expenses) of every kind and nature arising in favor of Client or any third party, as a result of, or in any way connected with the performance of services by PCL pursuant to this agreement and/or client's possession, handling or disposal of client's hazardous materials. In the event that any or all of the foregoing losses, claims, damages or expenses are caused by the joint or concurrent negligence of PCL and client, it is the intent of the parties that where comparative principles of law are applicable, each party shall bear that portion of such loss or damage which is attributable to the negligence of its respective employees, officers, directors, agents or subcontractors. Further, this indemnity shall apply to any and all actions, claims, causes of action, suits, losses or damages of every kind and nature arising out of PCL's performance of services under this agreement, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnification will be in addition to any liability which client may have to PCL or any other indemnified party by statute or otherwise. Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be provided by client, which coverage shall name the indemnified parties as additional insured and apply on a primary basis. 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 connection with, without limitation, attorney's fees, court costs, and the fees and expenses of experts, shall be paid by the losing party in any litigation between client and PCL. In any other litigation against or involving PCL or any indemnified party in connection with this agreement or any services provided under this agreement, except as set forth in the preceding sentence, each of the litigating parties shall bear its own litigation expenses.

11. Hazardous Substances

Upon PCL its performing the services requested by client, client will provide and PCL will receive samples and results for analysis, such as asbestos, polychlorinated biphenyls (PCBs), or any other hazardous or toxic materials, wastes and substances which are defined, designated or classified as hazardous by federal, state or local laws. Unless PCL otherwise negotiates, no other work pursuant to agreements or proposals shall be performed by PCL or any of its employees, officers, directors, agents, affiliates, successors and assigns in connection with any Hazardous Material received by PCL from client or at client's request shall remain the property of Client and, upon completion of PCL's services, PCL will dispose of all received portions of samples as specified by client or by PCL's QA/QC policies. In the event that 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 policy and procedures.

12. Prices/Payments

Unless otherwise agreed to in writing by PCL, applicable prices, unless in effect at the time of acceptance or the date the services were rendered or work prices quoted and later confirmed in writing, are given in Price Schedule & subject to change at any time without notice. Payment is due within [illegible] calendar days from the date of invoice. In the event client has been established with PCL for credit terms with an established credit account, the terms for payment of charges are NET [illegible] days from date of invoice. To the fullest extent permitted by law as by applicable law, any amount owed to PCL by the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law at one and one-half percent (1.5%) per month on the unpaid balance. Unpaid amounts are collected through collection agency or by an attorney, the client shall pay reasonable costs and attorney's fees incurred by PCL associated with such collection, whether or not suit is filed.

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 an officer authorized to act on behalf of client. Except that subsequent orders for additional services may be placed orally 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 to consider 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 intended, or that client intend to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any package or offering of securities, the extension of any loan, any financial institution or other entity, or any solicitation of or dealing with, investors or investors, any private capital source or organization.

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 samples be responsible for holding times that are extended beyond 14 calendar days 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 sample 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 16 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 they can be analyzed. Please note that holding times can vary, for example, 3 days of 48 hours and 7 days of 14 days. Short turnaround time (e.g. 24 hours, 48 hours) must be delivered on 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. Per annum long term storage is subject to an additional charge. Samples will be discarded at the end of the prearranged 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

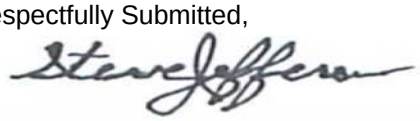
Attention: Ric Vardel
Report Date: 16-Feb-20 16:40
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0119-01) Collected: 04-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB00616	2	11-Feb-20 (RM)	465 mg/l	
Total Suspended Solids	SM2540D	AB00614	1	07-Feb-20 (SS)	305 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2080119

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
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	02/04/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.78/16.9°C
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 05 2020
By AW

Geotracker EDD:
Logcode: IPC
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ape)	02/05/20	12:30
Received by		Armando Jones (Rival)	215120	12:30
Relinquished by		Armando Jones (Rival)	215120	15:05
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/5/20	1421

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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 or such document may be amended or revised from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

PCL offers and will accept orders for services or offered services only on the following Terms. 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 (or Order), or acceptance by the Client of PCL's offer to do business with the Client under the terms and conditions of 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 counter or additional terms and conditions contained in a client's document shall be deemed 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), QA Manual of (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 representatives to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary 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 around the sampling site and for ensuring 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 analyzed 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 any invoices. Neither party shall be in breach of the agreement for disclosure of confidential information required by law or legal process. PCL shall use the same standard of care in protecting all such confidential data and information as PCL uses to protect its own confidential information. Except for the establishment of compliance of test data, which standard was adopted by PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that no other party, beneficiary, person or entity shall rely on any report, data or information. Client will not disclose any third party any other information concerning technical information, software programs or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, owners, affiliates, subsidiaries and parent companies from and against any and all liabilities, claims, demands, losses, damages, costs and expenses, including, but not limited to attorneys' fees (litigation, settlement and appeals arising in favor of third or any third party as a result of, and/or in any way relating, directly or indirectly to PCL pursuant to this agreement and PCL's performance of services hereunder, including, but not limited to, the handling or disposal of client's hazardous materials, injury, illness or death of persons 2. Use of, damage to, loss of, or loss of use of property and/or 3. From any act of negligence or willful misconduct of the client, its agents, employees, contractors, or invitees, arising out of or in connection with the performance of services by PCL pursuant to this agreement and PCL's participation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. Use of, damage to, loss of, or loss of use of property and/or 3. From any act of negligence or willful misconduct of the client, its agents, employees, contractors, or invitees, arising out of or in connection with the performance of services by PCL pursuant to this agreement and PCL's participation, handling or disposal of client's hazardous materials, whether such claims, damages, losses and expenses are caused in part by a party indemnified hereunder. This indemnity shall specifically apply to claims arising out of the strict liability of the indemnified party. Client shall, at its own expense, defend any and all such claims or suits which may be brought against PCL either alone or in combination with other persons and shall pay all costs, damages, attorneys' fees and other expenses that may be incurred by PCL and/or any indemnified person in settling and/or defending any such claims or suits and in enforcing this indemnity agreement. In addition to any and all other rights PCL may have at law or in equity, client agrees that it will reimburse PCL for any and all damages to, loss of or destruction of PCL's equipment or property caused by, arising out of or in any way connected with the performance of services by PCL hereunder, including, but not limited to, damages caused by fire or explosion. Client agrees that its obligations under this agreement will be supported by adequate liability insurance and to that extent client shall maintain such insurance and name PCL as an additional insured with respect thereto. Client's liability for PCL's negligence, errors or omissions, whether in contract, tort or otherwise, is limited to the lesser of the amount paid to PCL by client for PCL's services or $50,000. In no event shall PCL be liable for any consequential damages, including without limitation, loss of profits or business interruption, litigation expenses or other fees (including without limitation attorney's fees, expert or paralegal fees, judgment interest), or any other expenses incurred by client or any other party in any way related to or arising out of or resulting from any negligent act or omission of PCL or any independent persons in connection with the agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform any service requested by client, client will provide and PCL will receive samples that may be analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations including, 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 client's consultant 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 aerobic 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 application for the services hereunder or as otherwise agreed to in writing. The price schedule is subject to change at any time without notice. Payment in advance or cash on delivery may be required as a condition of acceptance of any order. Payment is due upon completion of services. Unless otherwise agreed to in writing, the payment terms are net 30 days from date of invoice. No cash discount is allowed. Payment is considered late if not received by PCL within thirty (30) days of invoice. Interest at the rate of one and one-half percent (1.5%) per month (or the highest lawful rate, if less) shall be charged on all past due amounts. In the event any payment is not made when due, client shall pay all costs of collection, including reasonable attorneys' fees, whether or not litigation is commenced. In the event litigation is commenced to collect any amount due, client shall pay all costs of collection, including reasonable attorneys' fees, whether or not litigation is commenced. In the event litigation is commenced to collect any amount due, client shall pay all costs of collection, including reasonable attorneys' fees, whether or not litigation is commenced.

13. Agreement Modification

Except as otherwise provided herein, the terms of this agreement may be amended only in writing executed by both parties hereto. Pat-Chem Laboratories (PCL) reserves the right to amend these terms and conditions at any time without prior notice. PCL may, however, require written acknowledgment of any amendments before accepting any new orders. PCL may also require written confirmation of any verbal orders. Any such amendments will not affect orders previously placed, unless specifically agreed to in writing by PCL.

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 by or from PCL. Client is solely responsible for its own actions, and shall not assert or permit, with any other person or entity, that 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 the data, information and reports are not represented or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any prospectus or other reliance by the owners of any securities, the granting, amendment, renewal, or reinstatement of any loan made by any financial institution or other lender, or the consideration of or contracting with, or by, or any public or governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for having sometimes are exceeded because of samples that are delivered or submitted after 5pm (Monday through Friday) and/or on the weekend. Standard holding times and all sample conditions should be reviewed prior to any samples being received by PCL. Any or holding times can be modified to the client's 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 (< 7 days, samples must arrive at the laboratory prior to 5pm on Friday in order to meet the holding times. For 48 hours or less holding time samples, they must be delivered on the same day as collection holding times expired. 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 specified as of the date above date of the fee schedule and are subject to change without notice.

17. Sample Retention

All samples remaining for at least thirty (30) days after service has been completed. Sample storage for longer periods is by request only. For 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 accounted for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Feb-20 16:00
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0115-01) Collected: 05-Feb-20 By CA						
pH	SM 4500H-B	AB00615	0.1	05-Feb-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00613	0.05	06-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00539	1.8	07-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00539	1.8	07-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0115

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02/05/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40/21°C
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/05/20	12:30
Received by		Armando Cruz (Patchem)	2/5/20	12:30
Relinquished by		Armando Cruz (Patchem)	2/5/20	15:05
Received by				
Relinquished by				
Received in lab by		Alex Wamuti	2/5/20	1328

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab 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 additions or amendments to the work as 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 the current Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts always 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 Standard 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 or verbally to PCL. Any such order shall be PCL's 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 utilization of consulting services constitutes the Client's express consent 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 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), Environmental Laboratory Accreditation Program (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 during 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 the 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 the eventual release 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.

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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.

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

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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 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 client, except as client has filed to pay PCL for all services rendered. It is understood and agreed to by the parties that PCL shall [illegible] unless required to do so by [illegible]. PCL shall [illegible] data and shall not [illegible] for any purpose [illegible] all such data and information [illegible] PCL shall [illegible] any property and information provided [illegible] exclusive use and benefit of [illegible] and PCL's employees shall not be [illegible] parties [illegible] reports, data or [illegible] client will not disclose to any third party [illegible] PCL's name [illegible] without [illegible].

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 liabilities, losses, damages, claims, demands, causes of action, costs and expenses, including, but not limited to, attorneys' fees, court costs and expenses, arising directly or indirectly out of or in connection with the performance of services hereunder, including any claims by employees of Client, persons injured or killed in connection with the samples or property damaged as a result of the samples, or any claims, demands or causes of action arising out of or in connection with any allegedly unauthorized use or misuse of the samples by Client, its employees or agents. Client shall also indemnify and hold harmless PCL from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses, including, but not limited to, attorneys' fees, court costs and expenses, arising directly or indirectly out of or in connection with any failure of Client to perform its obligations under this agreement, or any breach of this agreement by Client, or any negligent or willful misconduct of

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

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

Attention: Ric Vardel
Report Date: 17-Feb-20 14:30
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0116-01) Collected: 05-Feb-20 By C.A.						
Ammonia as N	EPA 350.1	AB01021	0.10	10-Feb-20 (SS)	0.11 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB01024	0.10	11-Feb-20 (LA)	0.95 mg/l	
Total Suspended Solids	SM2540D	AB00614	1	07-Feb-20 (SS)	<1 mg/l	
Nitrate as N	EPA 353.2	AB00537	0.02	05-Feb-20 (LA)	3.07 mg/l	
Nitrite as N	EPA 353.2	AB00537	0.02	05-Feb-20 (LA)	0.02 mg/l	
EFF (Sample I.D.# : 20B0116-02) Collected: 04-Feb-20 By C.A.						
Biochemical Oxygen Demand	SM 5210B	AB00616	2	11-Feb-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 208096

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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	02/05/20	1145	1	TSS	Grab	AQ	1L P	4°C	7.53/20.0°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	02/04/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 05 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/05/20	12:30
Received by		Armando Ochoa (Patchem)	2/5/20	12:30
Relinquished by		Armando Ochoa (Patchem)	2/5/20	15:05
Received by				
Relinquished by				
Received in lab by		Stephanie Hardwick	2/5/20	1333

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
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 additional or amendment terms, as it can be read in writing. "Client" means the individual or entity who has requested laboratory analysis, consultation, sampling services and his/her brokers, assignees, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended, or a quote 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 govern the 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 letter of request (LOR) 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 utilization 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 except 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 care existing in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), the Standard Test (ELVIS), 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 of 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 LIABILITIES, of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided hereto, shall not exceed the lesser of amount for said services. Client's acceptance of a work order and/or invoice 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.

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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/or 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 to the people affiliated with client that is given PCL for all services hereunder. It is understood and agreed that agreement subject to any disclosure required by law or court process. PCL shall use the same standard of care it exercises in protecting its own confidential information but shall not be responsible for any unauthorized disclosure of confidential information unless caused by PCL's willful misconduct or gross negligence. Reports and invoices will be released to anyone other than client only with client's written permission or as required by law or court process. PCL shall not be liable for any loss, damage or expense of any kind or nature caused by any use by client or any other party entitled to receive such information, whether or not such use is authorized by client. Client agrees to indemnify and hold PCL harmless against any loss, damage or expense of any kind or nature sustained as a result of any such use by client or any other party entitled to receive such information, whether or not such use is authorized by client.

10. Hold Harmless

Client releases, indemnifies, defends and holds PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all claims, losses or damages, claims, demands, causes of action, suits and liabilities, including, but not limited to, attorneys' fees and court costs, resulting from or arising out of Client's or its affiliates' or third parties' acts or omissions in connection with the performance of services by PCL pursuant to this agreement and/or any other agreement, including all of Client's instructions, whether or not due in part to the active, passive or concurrent negligence of PCL or its employees, but excluding only the sole negligence or willful misconduct of PCL or its employees. Further, but not limited to, any claims, losses, damages, liabilities, costs, penalties or expenses incurred by PCL on account of any type of third party claim, suit, action or proceeding, arising out of or in connection with the negligence or omission of Client or its affiliates and their agents, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to and not in lieu of any other indemnity or contribution rights of PCL and the other indemnified parties. To the extent necessary to give full force and effect to this agreement, if indemnity obligations are not enforceable for any reason, then Client shall contribute the maximum amount permitted under applicable law. Client, at its own cost, be solely responsible for and pay all direct, indirect, consequential and incidental damages, including without limitation, loss of profit or business interruption or litigation expenses, in connection with or arising out of any actual or alleged violation by Client or any of Client's employees or agents of any federal, state or local laws or regulations, including, without limitation, environmental laws or regulations. Client will indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities, costs and expenses (including reasonable attorneys' fees) which may arise, directly or indirectly, in whole or in part, from the presence, use, handling, storage, release or disposal of any Hazardous Substances (as defined below) in connection with this agreement, even if Client is not at fault.

11. Hazardous Substances

For PCL to perform certain services requested by client, client will provide and PCL will receive samples of materials or mixtures such as asbestos, polychlorinated biphenyls, batteries or any other hazardous or toxic material, within the meaning of such terms in federal, state or local laws, rules, PCL policies or regulations (collectively, "Hazardous Substances"). Client represents and warrants 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 or 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 acceptance of the order by PCL or in accordance with a written quotation or proposal submitted by PCL to client, if any. Prices are subject to change at any time without notice. Payment in advance or cash on delivery may be required in specific circumstances. All new clients are required to complete a credit application with PCL and establish credit with PCL before PCL will perform any services. Payment is due within thirty (30) days from the date of PCL's invoice, unless otherwise agreed to in writing by PCL. Client shall pay a late charge of one and one-half percent (1.5%) per month on any balance not paid within thirty (30) days from the date of PCL's invoice. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any amounts due and not paid within thirty (30) days from the date of PCL's invoice to the extent permitted by law. In addition, client shall pay a late charge of one and one-half percent (1.5%) per month on any balance not paid within thirty (30) days from the date of PCL's invoice. If client is a corporation, limited liability company, partnership or other business entity, PCL may require that the principals of such entity personally guarantee payment of all amounts due and owing to PCL. Client shall pay all taxes, duties and assessments of any nature, however designated, which are levied or imposed by reason of the transactions contemplated by this agreement, including without limitation, sales, use, excise and value added taxes, but excluding taxes based on PCL's net income. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any amounts due and not paid within thirty (30) days from the date of PCL's invoice to the extent permitted by law. In addition, client shall pay a late charge of one and one-half percent (1.5%) per month on any balance not paid within thirty (30) days from the date of PCL's invoice. If client is a corporation, limited liability company, partnership or other business entity, PCL may require that the principals of such entity personally guarantee payment of all amounts due and owing to PCL. Client shall pay all taxes, duties and assessments of any nature, however designated, which are levied or imposed by reason of the transactions contemplated by this agreement, including without limitation, sales, use, excise and value added taxes, but excluding taxes based on PCL's net income. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any amounts due and not paid within thirty (30) days from the date of PCL's invoice to the extent permitted by law. In addition, client shall pay a late charge of one and one-half percent (1.5%) per month on any balance not paid within thirty (30) days from the date of PCL's invoice. If client is a corporation, limited liability company, partnership or other business entity, PCL may require that the principals of such entity personally guarantee payment of all amounts due and owing to PCL. Client shall pay all taxes, duties and assessments of any nature, however designated, which are levied or imposed by reason of the transactions contemplated by this agreement, including without limitation, sales, use, excise and value added taxes, but excluding taxes based on PCL's net income.

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. Unless otherwise stated, these Terms supersede all prior agreements and understandings between the parties.

14. No Third Party Beneficiaries; No Right of Reliance

PCL's services are performed solely for client's use and benefit with respect to matters addressed in PCL's reports. PCL's services, reports and other communications relating to PCL's services are not intended for the benefit of, and may not be relied on by, any other person or entity without PCL's prior written consent in each instance. Client agrees and acknowledges that no third party shall be deemed to be a third party beneficiary of this agreement, and that no third party may rely upon any representation or opinion made by PCL in connection with or as part of the services, data, interpretations or opinions (collectively, "Work Product") rendered by PCL pursuant to this agreement, and PCL disclaims all warranties, express or implied, with respect to any third party. Client agrees that it will not disclose any Work Product to any third party without PCL's prior written consent in each instance, and that it will indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities, costs and expenses (including reasonable attorneys' fees) which may arise, directly or indirectly, in whole or in part, from the disclosure by Client or any of Client's employees or agents of any Work Product to any third party, whether or not such disclosure is authorized by Client.

15. Rush Analysis

Rush analyses are subject to prior approval and surcharge and shall be only agreed when PCL has prior knowledge and/or has the sufficient resources to carry out the rush analysis.

16. Holding Times

PCL cannot be responsible for holding times that are too short or when samples arrive improperly preserved or outside the specified holding times. Standard holding times and the recommended should be reviewed prior to sample collection. Samples received by PCL with insufficient holding times may be analyzed at client's request. All analyses with holding times of 24 hours or less, samples must arrive within 48 hours as stated PCL to meet holding times without incurring a rush surcharge. All other holding times 72 hours, samples must arrive at the lab within 24 hours before expiration of holding time in order to meet holding times. All holding times are in effect as of the date of the 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. Longer storage for longer periods is on request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the prearranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notified 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 accounted 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: 16-Feb-20 16:03
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0144-01) Collected: 06-Feb-20 By CA						
pH	SM 4500H-B	AB00712	0.1	06-Feb-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00713	0.05	07-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00617	1.8	08-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00617	1.8	08-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0144

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
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	02/06/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 / 19.1 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/06/20	12:15
Received by		Armando Ochoa (Pat)	2/6/20	12:15
Relinquished by		Hernando Ochoa (Pat)	2/6/20	14:50
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/6/20	1215

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 cover sheet(s), and any additions or amendments thereto which are accepted in writing. "Client" means the individual or entity submitting request for services, contracting for sampling services and not to its agents, representatives, employees, and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes Client's acceptance to the Client of PCL's offer to do business with the Client under the terms and conditions and / or agreement in force issued by PCL in this and any subsequent quotation. 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 vendor or acknowledgment terms and conditions proposed in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including production 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 (any of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from this in the Client's best if necessary or appropriate due to the nature or compositions of the sample(s) or otherwise based on our 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 monetary amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for completeness 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 called for in this agreement due to causes beyond its control.

9. Confidentiality

Data and test / sample materials provided by Client or at Client's site and the results obtained by PCL shall be held in confidence and not disseminated to any entity not related to the parties or the party already in the Client's list to pay PCL for its services, except as required by law or by order of the agency or court to any authorized regulatory body, or as may be necessary for the defense of PCL against any claim or cause of action arising out of or relating to PCL's performance of services hereunder. Client agrees that PCL may use any information provided by or obtained from Client in the course of PCL's performance of services hereunder for statistical purposes, provided that PCL does not disclose Client's name or identity in connection with such information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, consultants and subcontractors from and against any and all liabilities, losses and associated expenses, including reasonable attorneys' fees and costs, that may arise from or relate to Client's use of the services provided by PCL, the reliance by Client on any work product, report or data provided by PCL, or the failure of Client to perform its obligations under this agreement. The foregoing indemnity will be in addition to any liability Client may otherwise have to PCL and the other indemnified parties. To the extent necessary under applicable law, Client agrees that it will maintain adequate insurance coverage (including commercial general liability insurance with coverage of not less than $1,000,000 per occurrence and $2,000,000 in the aggregate) to cover its indemnification obligations under this agreement. PCL will be named as an additional insured on such insurance policies. Client's indemnification obligations under this agreement will survive the termination of this agreement.

11. Hazardous Substances

For PCL to perform the services required by Client, Client will provide PCL with relevant information regarding the presence of any hazardous substances (including, without limitation, any toxic substances, hazardous waste, and substances which are defined, determined or identified as such under federal, state or local laws). Unless PCL discovers or reasonably should discover evidence of hazardous substances or conditions not previously disclosed by Client, PCL will not be responsible for any hazardous substances found or identified as a result of the services provided under this agreement, or for any damages arising out of or related to the presence of any hazardous substances. 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 or perform disposition of samples, 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 of bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Unless otherwise agreed by PCL in writing, the prices for the services shall be those in effect immediately prior to the date the services were rendered as specified in the latest published Price Schedule. PCL reserves the right to change at any time its Price Schedule. Payment is due and payable upon receipt of invoice. Payment shall be made in full in U.S. currency without any deduction or set-off. Client shall pay a late charge of 1.5% per month (or the maximum amount permitted by law, if less) on any amount not paid within thirty (30) days of the date of the invoice. Client will be responsible for all costs of collection, including reasonable attorneys' fees. Client shall pay all taxes, duties and assessments (other than taxes based on PCL's net income) imposed in connection with the services provided hereunder. If unpaid amounts are referred to an attorney or collection agency, Client shall pay all reasonable attorneys' fees and collection costs incurred by PCL. Client shall pay all taxes, duties and assessments (other than taxes based on PCL's net income) imposed in connection with the services provided hereunder. If unpaid amounts are referred to an attorney or collection agency, Client shall pay all reasonable attorneys' fees and collection costs incurred by PCL. Client shall pay all taxes, duties and assessments (other than taxes based on PCL's net income) imposed in connection with the services provided hereunder. If unpaid amounts are referred to an attorney or collection agency, Client shall pay all reasonable attorneys' fees and collection costs incurred by PCL.

13. Agreement Modification

Change, modification or amendment to the terms of this agreement must be in writing and executed by an officer of PCL and Client. Client shall not rely on the verbal representations of any PCL employee unless confirmed in writing by an officer of PCL.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for Client's use of any report or data information or property provided by PCL. Client shall not rely on any report or data provided by PCL to any other person or entity. It is agreed and understood that this agreement is for the benefit of the parties hereto, and that no third party shall have any rights under this agreement. Client shall not assign, transfer, convey or otherwise delegate its rights or obligations under this agreement without the prior written consent of PCL, which consent may be withheld in PCL's sole discretion. Any attempted assignment, transfer, conveyance or delegation in violation of this provision shall be void and of no effect. Client shall not disclose any report or data provided by PCL to any other person or entity without the prior written consent of PCL, which consent may be withheld in PCL's sole discretion. Client shall not disclose any report or data provided by PCL to any other person or entity without the prior written consent of PCL, which consent may be withheld in PCL's sole discretion.

15. Rush Analysis

Rush analyses are available for an additional charge and must be requested in advance. If, for any of whatever reason, the rush turnaround time cannot be met, the client will not be charged.

16. Holding Times

PCL will make reasonable efforts to meet times that are stated in the agreement that are followed in accordance with the Client's sampling instructions, specifications and applicable standard holding times and those specified in the relevant analytical methods. Unless otherwise noted in writing, PCL's standard holding times will be available to the client if requested. All analyses with holding times of 24 hours or less (samples must arrive within 36 hours of the PCL receipt holding time), when requesting a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab in less than 24 hours after sampling (or less than the holding time, whichever is less). Long holding times (> 7 days) must be delivered to the lab within 48 hours, unless otherwise noted on the quote. After hours and 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 30 days from Client's date after which it has been completed. Samples over age for longer periods by request only. The arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the period unless otherwise noted.

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 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: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Inorganic Constituents							
Silver	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Arsenic	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**1.4 ug/l**	
Beryllium	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Cadmium	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**5.6 ug/l**	
Copper	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**1.1 ug/l**	
Cyanide (total)	SM 4500-CN-E	AB01731	0.0050	17-Feb-20	18-Feb-20	**<0.0050 mg/l**	
Mercury	EPA 245.1	AB01230	0.20	12-Feb-20	12-Feb-20	**<0.20 ug/l**	
Nickel	EPA 200.8	AB01020	0.5	10-Feb-20	11-Feb-20	**3.1 ug/l**	
Lead	EPA 200.8	AB01020	0.2	10-Feb-20	11-Feb-20	**<0.2 ug/l**	
Antimony	EPA 200.8	AB01020	1.0	10-Feb-20	11-Feb-20	**<1.0 ug/l**	
Selenium	EPA 200.8	AB01020	2.0	10-Feb-20	11-Feb-20	**2.5 ug/l**	
Thallium	EPA 200.8	AB01020	1.0	10-Feb-20	11-Feb-20	**<1.0 ug/l**	
Zinc	EPA 200.8	AB01020	1.0	10-Feb-20	11-Feb-20	**13 ug/l**	
Base/Neutral and Acid Extractables							
Acenaphthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Acenaphthylene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Anthracene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzidine	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
Benzo (a) anthracene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (a) pyrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (b) fluoranthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (g,h,i) perylene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzo (k) fluoranthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Bis(2-chloroethoxy)methane	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Bis(2-choroethyl)ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	

Respectfully Submitted,



Steve Jefferson 4/7/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Base/Neutral and Acid Extractables							
Bis(2-chloroisopropyl)ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Bis(2-ethylhexyl)phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4-Bromophenyl phenyl ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Benzyl Butyl Phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2-Chloronaphthalene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4-Chlorophenyl phenyl ether	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Chrysene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Dibenzo (a,h) anthracene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
3,3´-Dichlorobenzidine	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Diethyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Dimethyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Di-n-butyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2,4-Dinitrotoluene	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
2,6-Dinitrotoluene	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
Di-n-octyl phthalate	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
1,2-Diphenylhydrazine (Azobenzene)	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Fluoranthene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Fluorene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachlorobenzene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachlorobutadiene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachlorocyclopentadiene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Hexachloroethane	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Indeno (1,2,3-cd) pyrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Isophorone	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Naphthalene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Nitrobenzene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	

Respectfully Submitted,



Steve Jefferson 4/7/2020
Laboratory Director

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Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Base/Neutral and Acid Extractables							
N-Nitrosodimethylamine	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
N-Nitrosodi-n-propylamine	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
N-Nitrosodiphenylamine	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Phenanthrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
Pyrene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
1,2,4-Trichlorobenzene	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2-Chlorophenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
2,4-Dichlorophenol	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
2,4-Dimethylphenol	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4,6-Dinitro-2-methylphenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
2,4-Dinitrophenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
2-Nitrophenol	EPA 625.1	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	
4-Nitrophenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
4-Chloro-3-methylphenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
Pentachlorophenol	EPA 625.1	AB01407	10.0	14-Feb-20	29-Feb-20	**<10.0 ug/l**	
Phenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
2,4,6-Trichlorophenol	EPA 625.1	AB01407	5.0	14-Feb-20	29-Feb-20	**<5.0 ug/l**	
Surrogate: 2-Fluorophenol	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*42.0 % (13.6-74)*	
Surrogate: Phenol-d6	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*25.4 % (8-65)*	
Surrogate: 2-Chlorophenol-d4	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*66.1 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*59.6 % (30-106)*	
Surrogate: Nitrobenzene-d5	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*71.7 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*73.3 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*59.0 % (19-155)*	
Surrogate: p-Terphenyl-d14	EPA 625.1	AB01407		14-Feb-20	29-Feb-20	*82.9 % (33-149)*	
2,3,7,8-TCDD Screening							
2,3,7,8-TCDD	EPA 625.1 (SIM)	AB01407	2.0	14-Feb-20	29-Feb-20	**<2.0 ug/l**	

Respectfully Submitted,



Steve Jefferson 4/7/2020
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Volatile Organics							
Acrolein	EPA 624.1	AB01249	25.0	12-Feb-20	12-Feb-20	**<25.0 ug/l**	
Acrylonitrile	EPA 624.1	AB01249	25.0	12-Feb-20	12-Feb-20	**<25.0 ug/l**	
Benzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Bromoform	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Carbon tetrachloride	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Chlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Dibromochloromethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Chloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
2-Chloroethylvinyl ether	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**5.0 ug/l**	
Chloroform	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**51.8 ug/l**	
Bromodichloromethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**24.8 ug/l**	
1,2-Dichlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,3-Dichlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,4-Dichlorobenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1-Dichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,2-Dichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1-Dichloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,2-Dichloropropane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
cis-1,3-Dichloropropene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
trans-1,3-Dichloropropene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Ethylbenzene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Methyl Bromide (Bromomethane)	EPA 624.1	AB01249	10.0	12-Feb-20	12-Feb-20	**<10.0 ug/l**	
Methyl Chloride (Chloromethane)	EPA 624.1	AB01249	10.0	12-Feb-20	12-Feb-20	**<10.0 ug/l**	
Methylene chloride (Dichloromethane)	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Tetrachloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Volatile Organics							
Toluene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
trans-1,2-Dichloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1,1-Trichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
1,1,2-Trichloroethane	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Trichloroethylene	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Vinyl chloride	EPA 624.1	AB01249	5.0	12-Feb-20	12-Feb-20	**<5.0 ug/l**	
Surrogate: Dibromofluoromethane	EPA 624.1	AB01249		12-Feb-20	12-Feb-20	*109 % (70-130)*	
Surrogate: Toluene-d8	EPA 624.1	AB01249		12-Feb-20	12-Feb-20	*102 % (70-130)*	
Surrogate: Bromofluorobenzene	EPA 624.1	AB01249		12-Feb-20	12-Feb-20	*93.4 % (70-130)*	
Organochlorine Pesticides and PCBs							
Aldrin	EPA 608.3	AB01130	0.005	11-Feb-20	21-Feb-20	**<0.005 ug/l**	
alpha-BHC	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
beta-BHC	EPA 608.3	AB01130	0.005	11-Feb-20	21-Feb-20	**<0.005 ug/l**	
gamma-BHC (Lindane)	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
delta-BHC	EPA 608.3	AB01130	0.005	11-Feb-20	21-Feb-20	**<0.005 ug/l**	
Chlordane	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
4,4´-DDT	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
4,4´-DDE	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
4,4´-DDD	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Dieldrin	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
alpha-Endosulfan (I)	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
beta-Endosulfan (II)	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Endosulfan Sulfate	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Endrin	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Endrin Aldehyde	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Heptachlor	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 608.3	AB01130	0.01	11-Feb-20	21-Feb-20	**<0.01 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

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

Customer: **Integrated Performance Consultants, Inc.**
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Attention: Ric Vardel
Report Date: 07-Apr-20 22:03
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20B0203-01) Collected: 07-Feb-20 By CA							
Organochlorine Pesticides and PCBs							
Aroclor 1016 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1221 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1232 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1242 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1248 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1254 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Aroclor 1260 (PCB)	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Toxaphene	EPA 608.3	AB01130	0.5	11-Feb-20	21-Feb-20	**<0.5 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 608.3	AB01130		11-Feb-20	21-Feb-20	*49.5 % (31.3-103)*	
Surrogate: Decachlorobiphenyl	EPA 608.3	AB01130		11-Feb-20	21-Feb-20	*55.5 % (13.5-142)*	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/7/2020
Laboratory Director

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OrderID: 322002877

SUBCONTRACT ORDER

Pat-Chem Laboratories

20B0203

#322002877

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20B0203-01 Water	**Sampled: 07-Feb-20 11:45**			**IPC [MCC] Annual EFF**
Asbestos Water	25-Feb-20 12:00	05-Aug-20 11:45		SUB-OUT
Containers Supplied:				waste water

10.6 °C

Released By: Alp Valenzuela 2/12/20 13:00 — Received By: Amanissenok Tan 02/12/2020 1520

Released By — Date — Received By — Date

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SUBCONTRACT ORDER

Pat-Chem Laboratories

20B0203

OB24051

SENDING LABORATORY:

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

RECEIVING LABORATORY:

Weck Labs
14859 East Clark Avenue
City Of Industry, CA 91745
Phone :(626) 336-2139
Fax:

Analysis		Due	Expires	Laboratory ID	Comments
Sample ID: 20B0203-01	**Water**	**Sampled: 07-Feb-20 11:45**			**IPC [MCC] Annual EFF**
Pharmaceuticals CECs		25-Feb-20 12:00	05-Aug-20 11:45		SUB-OUT
Containers Supplied:					

Released By — Date: 2/14/20 7:10 AM — Received By — Date: 2/14/20 1001 2.5°C TOCC

Released By — Date — Received By — Date

February 21, 2020

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

Lab ID : SP 2002163
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
20B0203-01 MCC Annual EFF	02/07/2020	02/13/2020	SP 2002163-001	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	02/15/2020:202570 All analysis quality controls are within established criteria
	02/15/2020:201831 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: 2020-02-21

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

February 21, 2020

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

Description : 20B0203-01
Project : 20B0203

Lab ID : SP 2002163-001
Customer ID : 2-12670

Sampled On : February 7, 2020-11:45
Sampled By : Not Available
Received On : February 13, 2020-16:52
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	02/15/20:201831	218.6	02/15/20:202570

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

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CA ELAP Certification No. 2810

February 21, 2020 Lab ID : SP 2002163
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	02/15/20:201831JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	104 %	90-110	
			MS	ug/L	2.000	96.0 %	75-125	
		(SP 2001803-001)	MSD	ug/L	2.000	96.6 %	75-125	
			MSRPD	ug/L	2.000	0.6%	≤20	
			MS	ug/L	2.000	97.8 %	75-125	
		(SP 2001804-001)	MSD	ug/L	2.000	97.3 %	75-125	
			MSRPD	ug/L	2.000	0.5%	≤20	
		(SP 2001803-001)	Dup	ug/L		0.0	0.1	
	218.6	02/15/20:202570JDD	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	96.4 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	101 %	95-105	

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.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
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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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

SUBCONTRACT ORDER

Pat-Chem Laboratories

20B0203

2002163

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20B0203-01 **Water**	**Sampled: 07-Feb-20 11:45**			**IPC [MCC] Annual EFF**
Hex Cr 218.6	25-Feb-20 12:00	14-Feb-20 11:45		SUB-OUT
Containers Supplied:				

WW per theresa @ Pat-Chem 2/19/20 8:30

Released By	Date	Received By	Date
[signature]	2/13/20 15:30pm	[signature]	2/13/20 16:52
Released By	Date	Received By	Date

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.#: 20B0203

Customer: IPC, Inc.		**Project:** (MCC) Annual EFF	
Address: 9297 Research Drive		**Sampled by:** C. Alvarez	**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
EFF	02/10/20	1145	1	Priority Metals ✓	Grab	AQ	1L P	HN	7.65/22.6°C
			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,	
			1	Asbestos ✓	Grab	AQ	1L G	AA 4°C	
			6	17-Estradiol, Caffeine, NDMA, Triclosan, DEET, Sucralose	Grab	AQ	1L G	4°C	

RECEIVED
FEB 10 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	02/10/20	12:00 pm
Received by	Juan Vasquez	Juan Vasquez (PCL)	02/10/20	12:00 pm
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	02/10/20	1:40 pm
Received by				
Relinquished by				
Received in lab by		Alex Valencia	2/10/20	1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	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: 16-Feb-20 16:05
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0172-01) Collected: 07-Feb-20 By CA						
pH	SM 4500H-B	AB00827	0.1	07-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00720	0.05	07-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00710	1.8	09-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00710	1.8	09-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0172

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C. Chu	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	02/07/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59/21.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 07 2020
By CW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Chu	Carlos Alvarez (CPL)	02/07/20	11:57am
Received by	Juan Vasquez	Juan Vasquez (PCL)	2/7/20	11:57am
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	2/7/20	2:00pm
Received by				
Relinquished by				
Received in lab by	Alex Walker Jr	Alex Walker Jr	2/7/20	1410

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" (also known as "Terms and Conditions of sale", including the price schedule, and any addenda 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 her heirs, successors, assigns and representatives. "Price Schedule" means the Pat-Chem Laboratory (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 General Terms and Conditions (the "Terms"). These Terms shall be an agreement between PCL and the Client shall have executed a written agreement in writing which does not accept any of 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 request (LOR) to PCL. Any such order shall be subject to acceptance by the client of PCL's offer to do business with the client under the terms and condition and in an agreement to be included in 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 to PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of a commercial laboratory in the geographic area where applicable. PCL will use analytical methods that are substantially consistently with the U.S. Environmental Protection Agency (EPA), UK Water Board (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 those 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/or proposal relieves 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 samples materials provided by client or on client's behalf 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 the right to pay PCL for services rendered or in connection in respect of the agreement, or unless PCL is required or authorized 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 information where such disclosure was not the result of any act or omission on PCL's part. Client agrees that the reports and records of work and data obtained shall not be by third party to which any of our employees, agents or subcontractor. Clients will not disclose any proprietary information, software, procedures or other formulations.

10. Hold Harmless

Client agrees to defend, save, indemnify, hold and keep PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and costs of every nature, including attorney's fees, resulting from, arising out of or in any way connected with the performance of services by PCL pursuant to this agreement or in connection with any failure to perform, harming or disposal of client's materials or samples. Client agrees to defend, indemnify and hold PCL harmless from any and all claims of property damage, bodily injury, death or economic loss arising out of or resulting from the performance of services by PCL pursuant to this agreement or in connection with any failure to perform, harming or disposal of client's materials or samples. Client's duties and obligations under this paragraph shall apply whether such liabilities are caused by the negligence or fault of PCL or otherwise, except those caused by the sole negligence or willful misconduct of PCL, to the extent such limitation is permitted by law. Further, this indemnity shall not apply to any actual or alleged claims, demands, or causes of action brought by the client's employees or former employees. This

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: 16-Feb-20 16:09
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0187-01) Collected: 08-Feb-20 By MA						
pH	SM 4500H-B	AB00925	0.1	08-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00926	0.05	09-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00826	1.8	10-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00826	1.8	10-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0187

Customer: IPC - Integrated Performance Consultants, Inc		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	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	2/8/20	9:37	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/8/20	12:30
Received by		Alex Walker Jr.	2/8/20	12:30
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	2/5/20	15:25

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.

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 lesser benefit which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or servicing services and his or her/its employees, designees 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 will solely act 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 (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 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-Wastestream (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's 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 test results produced by PCL for a client in all client's reports and/or results provided to 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, products or information 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 information to protect client's confidential information. Company of our tests where confidentiality is allowed by PCL reports and information include a statement that the analytical data and information provided in such reports shall be for the exclusive use of client and PCL will not release any such reports, data or information to any third party without written consent from client, except as may be required by law or legal process. Client authorizes PCL to release such information to governmental agencies, authorities or departments having jurisdiction over PCL and/or client.

10. **Hold Harmless**

Client indemnifies and holds harmless PCL and its officers, employees, partners, agents, insurers, successors and assigns from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses including, but not limited to, attorney's fees, court costs and expert witness fees) arising out of or in connection with the performance of services by PCL hereunder, to the extent caused by the negligence, recklessness or willful misconduct of client or any third parties or any failure of client to perform its obligations under this agreement. Client shall indemnify, defend and hold PCL harmless from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including, without limitation, attorney's fees, court costs and expert witness fees) arising out of or in connection with client's breach of this agreement or any negligent or willful misconduct of client or any of its employees, subcontractors or agents.

Client shall indemnify, defend and hold harmless PCL and its officers, employees, partners, agents, insurers, successors and assigns from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including, without limitation, attorney's fees, court costs and expert witness fees) arising out of or in connection with client's breach of this agreement or any negligent or willful misconduct of client or any of its employees, subcontractors or agents.

Client shall indemnify, defend and hold harmless PCL and its officers, employees, partners, agents, insurers, successors and assigns from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including, without limitation, attorney's fees, court costs and expert witness fees) arising out of or in connection with client's breach of this agreement or any negligent or willful misconduct of client or any of its employees, subcontractors or agents.

Client shall indemnify, defend and hold harmless PCL and its officers, employees, partners, agents, insurers, successors and assigns from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including, without limitation, attorney's fees, court costs and expert witness fees) arising out of or in connection with client's breach of this agreement or any negligent or willful misconduct of client or any of its employees, subcontractors or agents.

11. **Hazardous Substances**

For PCL to perform the services requested by client, client will provide and PCL will receive samples and materials for analyses such as asbestos, polychlorinated biphenyls, battery or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as hazardous, toxic or dangerous under federal, state, PCL policies or regulations, (hereafter "Hazardous Materials"). Client understands and agrees that any hazardous material, whether PCL knows client or all 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 (DAISE) policies. In the event the client does not specify its particular 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 aerobic bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Unless otherwise agreed to in writing by Client, the prices quoted herein shall be those set forth in PCL's price schedule in effect at the time of acceptance of the order. The services are rendered or work is performed and billed and payment is due upon receipt of invoice. Payment in advance or other security may be required for all new clients. Credit terms, if extended, are net 30 days from invoice date. Any account not paid within 30 days from invoice date shall be subject to a late charge of 1.5% per month (18% per annum). In the event that any account remains unpaid for more than 60 days from invoice date, PCL may, at its option, suspend further services to client and/or withhold delivery of reports and other work product. Client shall be responsible for all costs of collection, including reasonable attorney's fees, incurred by PCL in connection with the collection of any delinquent account. Client shall notify PCL in writing of any billing dispute within 10 days of the invoice date. Failure to do so shall be deemed an acceptance of the invoice and all charges thereon. Client shall pay all undisputed amounts when due. Client shall not withhold payment of any undisputed amount pending resolution of any dispute. Any disputed amount determined to be due to client shall be credited to client's account or refunded at PCL's option. Client shall pay all taxes, duties and assessments imposed by any governmental authority in connection with the services provided hereunder, except for taxes based on PCL's net income. Client shall pay all costs and expenses (including reasonable attorney's fees and court costs) incurred by PCL in connection with the collection of any amounts not paid when due and in the enforcement of PCL's rights hereunder.

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's authorized representative. Verbal instructions for additional services may be given but must be confirmed in writing.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL assumes no responsibility or liability for client's use of or reliance on data, information or reports furnished to PCL. Client is solely responsible for his own actions, and not in reliance on PCL, or on any other representations, by 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 any data, information or reports. Client represents, warrants and agrees that all data, information, reports (client not required), or charts used or relied upon in connection with or as part of the preparation, interpretation, or consideration of any recommendations, any periodic or other reporting to the federal or any agency, the issuance, amendment, renewal, or extension of any permit or any financial institution or other person or concern, or otherwise in connection 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 work cannot be completed in the normal time will apply.

16. **Holding Times**

PCL cannot be responsible for holding times that are exceeded because of samples received improperly or because of other factors (as determined by PCL) which are beyond its control. Standard holding times and storage conditions should be reviewed prior to any sampling reviewed by PCL. A list of holding times can be provided upon request. For analytes 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 (72 hours, or less) must arrive at the lab within 24 hours. Other exceptions to ensure that the holding times can be met. Short holding times (all tests of less than 72 hours) must be performed that same day or prior to any action holding time is met. After hours, late delivery, freight company delays or special moves are subject to additional service 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. For prolonged 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 indicated 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: 16-Feb-20 16:11
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0191-01) Collected: 09-Feb-20 By VA						
pH	SM 4500H-B	AB00929	0.1	09-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB00928	0.05	09-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB00924	1.8	11-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB00924	1.8	11-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0191

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	2/9/20	10:08	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	2/9/20	10:08
Received by		Alex Walker Jr	2/9/20	10:08
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	2/9/20	12:10

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
Al - $AlCl_3$
Cu - $CuSO_4$

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any 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)'s standard price schedule as such document may be amended or revised from time to time by PCL.

2. **Independent Contractor**

PCL acts only 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 of PCL's offer to do business with the Client under the terms and conditions and, if, an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services shall notify the client's express attempt 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 be or ever 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 providing 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 submitted 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 give PCL for all reasons confirmed 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 except for willful misconduct. PCL reserves the right to withhold release of any data pending full payment for services rendered. Client agrees that PCL shall be the sole owner of all data, reports, results or information. Client will not disclose to any third party any information concerning the name of the Method, software or proprietary information.

10. **Hold Harmless**

Client indemnifies 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 expenses including, but not limited to, all court fees and litigation expenses and reasonable attorney's fees incurred by PCL in any third party as a result of, arising in any way, or resulting, directly or indirectly, out of, or in connection with the performance of services by PCL, by PCL pursuant to this agreement and/or the collection, handling, or disposal of client's material(s) hereunder, 1. injury to person or death of persons 2. loss of, damage to, or use of, or loss of use of property of any kind or type of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities solely and proximately caused by the willful misconduct of PCL, its employees. Client, at his own expense, at the sole discretion of PCL, may defend any action, claim or demand, arising out of, or in connection with the performance of services hereunder or the negligent or willful misconduct of PCL, its employees. Client, at his own expense, at the sole discretion of PCL, may defend any action, claim or demand, arising out of, or in connection with the performance of services hereunder or the negligent or willful misconduct of PCL, its employees. Client will be responsible for any reasonable attorney's fees, court costs, damages, actions of every kind and character, consequential, direct, indirect, punitive damages, incidental damages, or compensation damages (including, without limitation, loss of profit or income or interest) 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 persons in connection with this agreement or any dispute between client and PCL or with any prevailing party.

11. **Hazardous Substances**

For PCL to perform the service requested by client, client will provide and PCL will receive samples materials for analysis which may be, or may be treated as Hazardous, 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 require the packing or Elevation of such or contamination of any kind 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 any/all bacteriological client will be charged a sample disposal fee per sample submitted, in accordance with the PCL's policies and procedures.

12. **Prices/Payments**

Unless otherwise stated in writing, all prices quoted by PCL are applicable only to those services rendered during the date the services were requested or with prices quoted in a letter confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit card may be required. Invoices are due and payable upon receipt unless otherwise stated on the invoice or unless a written credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET EIGHTEEN (NET 18) days from date given on invoices. To the fullest extent permitted by law, a finance charge of one and one-half percent (1.5%) per month on the unpaid balance, if unpaid amounts are collected through legal proceedings or an attorney, the client will pay reasonable costs and attorney's fees in addition 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 collected through legal proceedings or an attorney, the client will pay reasonable costs and attorney's fees in addition 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. Payment is due and payable in full upon receipt of invoice, unless otherwise agreed to in writing. Client agrees to pay all costs of collection, including reasonable attorney's fees, incurred by PCL in connection with the collection of any unpaid balance due to PCL. Client agrees to pay all costs of collection, including reasonable attorney's fees, incurred by PCL in connection with the collection of any unpaid balance due to PCL. Client agrees to pay all costs of collection, including reasonable attorney's fees, incurred by PCL in connection with the collection of any unpaid balance due to PCL. Client agrees to pay all costs of collection, including reasonable attorney's fees, incurred by PCL in connection with the collection of any unpaid balance due to PCL.

13. **Agreement Modification**

Changes, modifications or amendments of the Terms shall be effective only if in writing and executed by an officer of PCL and by client. In addition, no representation, 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 solely responsible for his own actions, and not as agent or employee of, 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 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 distribution of any securities, any proxies or other solicitations of the holders of any security, the offering, solicitation, renewal, or extension of any loan from any financial institution or other lender or the application to or contracting with, implicitly or explicitly, 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 client is once advised.

16. **Holding Times**

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or shipped at a time that is unknown to PCL without prior notification and concurrence. Standard holding times and Protocol Deadlines 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 classwork is to hours must be delivered at a same day in order to guarantee holding times are met. After hours late delivery, freight company delays or similar issues are subject to additional surcharges and/or the inability to meet holding times. All holding time 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 be requested 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 allowed 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

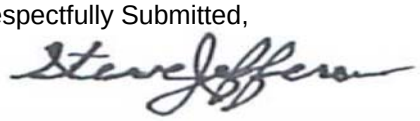
Attention: Ric Vardel
Report Date: 16-Feb-20 16:15
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0201-01) Collected: 10-Feb-20 By CA						
pH	SM 4500H-B	AB01236	0.1	10-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01135	0.05	11-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01027	1.8	12-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01027	1.8	12-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0201

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02/10/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.63/20.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZBC)	02/10/20	12:00pm
Received by		Juan Vasquez (PCL)	02/10/20	12:00pm
Relinquished by		Juan Vasquez (PCL)	02/10/20	2:40pm
Received by				
Relinquished by				
Received in lab by		Alexhallmark Jr	2/10/20	1248

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Feb-20 16:18
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0229-01) Collected: 11-Feb-20 By CA						
pH	SM 4500H-B	AB01236	0.1	11-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01237	0.05	12-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01138	1.8	13-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01138	1.8	13-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0229

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/11/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6 / 20.2 °C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivera (PCL)	02/11/20	12:45pm
Received by	Juan Vasquez	Juan Vasquez (PCL)	2/11/20	12:45pm
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	2/11/20	14:11
Received by				
Relinquished by				
Received in lab by		Alex Wardle	2/	1405

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

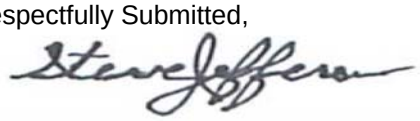
Attention: Ric Vardel
Report Date: 18-Feb-20 14:55
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0274-01) Collected: 11-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB01310	2	18-Feb-20 (RM)	512 mg/l	
Total Suspended Solids	SM2540D	AB01311	1	13-Feb-20 (EA)	294 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/18/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0274

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	02/11/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.3 / 17.9
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 12 2020
By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/12/20	1:00
Received by		Cindy Martinez	2/12/20	1:00
Relinquished by		Cindy Martinez	2/12/20	2:25
Received by				
Relinquished by				
Received in lab by		Alex Walker	2/12/20	1536

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

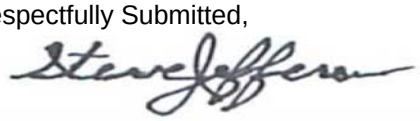
Attention: Ric Vardel
Report Date: 16-Feb-20 16:21
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0267-01) Collected: 12-Feb-20 By CA						
pH	SM 4500H-B	AB01307	0.1	12-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01308	0.05	13-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01234	1.8	14-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01234	1.8	14-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0267

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. Q.	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	02/12/20	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6/14.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

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FEB 12 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Q.	Carlos Alvarez (IPC)	02/12/20	1:00
Received by:	Cindy Martinez	2/12/20	1:00
Relinquished by:	Cindy Martinez	2/12/2020	2:25
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr	2/12/20	1457

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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(818) 639-5300 ph
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Feb-20 15:58
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0275-01) Collected: 12-Feb-20 By CA						
Ammonia as N	EPA 350.1	AB01314	0.10	13-Feb-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB01730	0.10	20-Feb-20 (LA)	0.88 mg/l	
Total Suspended Solids	SM2540D	AB01311	1	13-Feb-20 (EA)	2 mg/l	
Nitrate as N	EPA 353.2	AB01235	0.02	12-Feb-20 (LA)	1.85 mg/l	
Nitrite as N	EPA 353.2	AB01235	0.02	12-Feb-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20B0275-02) Collected: 11-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB01310	2	18-Feb-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/20/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0275

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Q.	**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	02/12/20	1205	1	TSS	Grab	AQ	1L P	4°C	7.7/16.0
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	02/11/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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FEB 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cpc)	02/12/20	1:00
Received by		Cindy Martinez (PCL)	2/12/20	1:00
Relinquished by		Cindy Martinez (PCL)	2/12/2020	2:25
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/12/20	1538

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.

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

Attention: Ric Vardel
Report Date: 16-Feb-20 16:24
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0293-01) Collected: 13-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB01411	0.1	13-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01414	0.05	14-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01306	1.8	15-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01306	1.8	15-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0293

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/13/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCi									
Global ID: WDR100000359									

RECEIVED
FEB 13 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	02/13/20	11:30
Received by	Jairo Monjivar	2/13/20	1:15 PM
Relinquished by	Jairo Monjivar	2/13/20	3:00 PM
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	2/13/20	1426

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 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	

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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: 17-Feb-20 11:52
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0322-01) Collected: 14-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB01518	0.1	14-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01517	0.05	15-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01410	1.8	16-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01410	1.8	16-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0322

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	
	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	02/14/20	1310	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/14/20	13:10
Received by		Juan Vasquez (PCL)	2/14/20	13:10
Relinquished by		Juan Vasquez (PCL)	2/14/20	13:58
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/14/20	1543

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: 18-Feb-20 14:43
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0333-01) Collected: 15-Feb-20 By MA						
pH	SM 4500H-B	AB01528	0.1	15-Feb-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01529	0.05	15-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01516	1.8	17-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01516	1.8	17-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 2/18/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0333

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/15/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
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By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/15/20	1030
Received by		Alex Walker Jr	2/15/20	1030
Relinquished by		Alex Walker Jr	2/15/20	12:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	2/15/20	12:30

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
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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

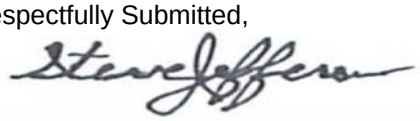
Attention: Ric Vardel
Report Date: 18-Feb-20 14:46
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0339-01) Collected: 16-Feb-20 By VA						
pH	SM 4500H-B	AB01823	0.1	16-Feb-20 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01732	0.05	17-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01616	1.8	18-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01616	1.8	18-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 2/18/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0339

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	2/16/20	09:31	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
FEB 16 2020
By AW

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	2/16/20	09:31
Received by	Alex Walker Jr	2/16/20	10:48
Relinquished by	Alex Walker Jr	2/16/20	1400
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	2/16/20	1423

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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San Fernando, CA 91340
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(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

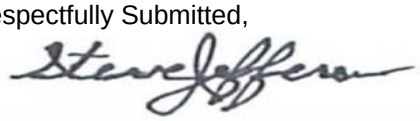
Attention: Ric Vardel
Report Date: 04-Mar-20 15:33
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0352-01) Collected: 17-Feb-20 By CA						
pH	SM 4500H-B	AB01823	0.1	17-Feb-20 (PL)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01824	0.05	18-Feb-20 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01734	1.8	19-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01734	1.8	19-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0352

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/17/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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FEB 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	02/17/20	1230
Received by	EG	Carlos (PC)	2.17.20	1230
Relinquished by	EG	Carlos (PC)	2-17-20	1330
Received by				
Relinquished by				
Received in Lab by		Alex Walker JN	2/17/20	1250

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

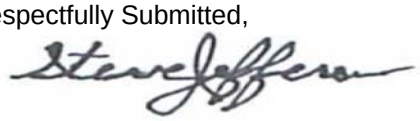
Attention: Ric Vardel
Report Date: 04-Mar-20 15:35
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0381-01) Collected: 18-Feb-20 By CA						
pH	SM 4500H-B	AB01920	0.1	18-Feb-20 (PL)	7.1 pH Units	
Residual Chlorine	SM 4500Cl-G	AB01927	0.05	19-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01833	1.8	20-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01833	1.8	20-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0381

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/18/20	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/18/20	1230
Received by		Carlos	2-18-20	1230
Relinquished by		Carlos	2-18-20	1350
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr.	2/18/20	1441

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

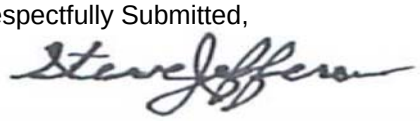
Attention: Ric Vardel
Report Date: 08-Mar-20 15:30
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0431-01) Collected: 18-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB02019	2	25-Feb-20 (RM)	410 mg/l	
Total Suspended Solids	SM2540D	AB02118	1	21-Feb-20 (EA)	226 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0431

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	02/18/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.2 / 14.2 °C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/19/20	1:30
Received by		Cindy Martinez	2/19/20	1:30
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Wallin Jr	2/19/20	1540

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
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pat-chem.com

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

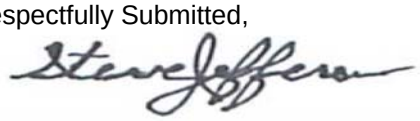
Attention: Ric Vardel
Report Date: 04-Mar-20 15:37
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0425-01) Collected: 19-Feb-20 By CA						
pH	SM 4500H-B	AB02014	0.1	19-Feb-20 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02013	0.05	20-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB01924	1.8	21-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB01924	1.8	21-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0425

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	02/19/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7/20.1 °C
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	02/19/20	1:30
Received by		Cindy Martinez (PCL)	2/19/20	1:30
Relinquished by		Cindy Martinez	2/19	14:35
Received by				
Relinquished by				
Received in lab by		Alex Valencia Jr	2/19/20	1454

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
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
pat-chem.com

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

Attention: Ric Vardel
Report Date: 04-Mar-20 16:12
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0432-01) Collected: 19-Feb-20 By CA						
Ammonia as N	EPA 350.1	AB02422	0.10	25-Feb-20 (SS)	0.18 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB02424	0.10	25-Feb-20 (LA)	0.64 mg/l	
Total Suspended Solids	SM2540D	AB02118	1	21-Feb-20 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AB02016	0.02	20-Feb-20 (LA)	2.19 mg/l	
Nitrite as N	EPA 353.2	AB02016	0.02	20-Feb-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20B0432-02) Collected: 18-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB02019	2	25-Feb-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0432

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. Q.
	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	02/19/20	1110	1	TSS	Grab	AQ	1L P	4°C	7.6 / 20.3 °C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	02/18/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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FEB 19 2020
By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/19/20	1:30
Received by			2/19/20	1:30
Relinquished by		Cindy Mapping	2/19/2014:35	
Received by				
Relinquished by				
Received in lab by		Alex Watkins Jr.	2/19/20	1542

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
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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: 04-Mar-20 15:39
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0471-01) Collected: 20-Feb-20 By CA						
pH	SM 4500H-B	AB02024	0.1	20-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02023	0.05	20-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02012	1.8	22-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02012	1.8	22-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0471

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/20/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By AW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	02/20/20	11:15
Received by		Jairo Menjivar	2/20/20	12:45pm
Relinquished by		Jairo Menjivar	2/20/20	15:15
Received by				
Relinquished by				
Received in lab by		Alex Wamson	2/20/20	1605

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
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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

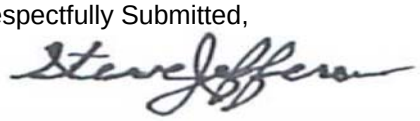
Attention: Ric Vardel
Report Date: 04-Mar-20 15:42
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0512-01) Collected: 21-Feb-20 By CA						
pH	SM 4500H-B	AB02228	0.1	21-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02230	0.05	22-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02115	1.8	23-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02115	1.8	23-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0512

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/21/20	1154	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/21/20	12:20
Received by		Juan Vasquez	2/21/20	12:20
Relinquished by		Juan Vasquez (PCL)	2/21/20	13:25
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/21/20	1502

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
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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

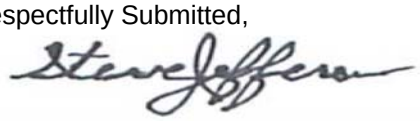
Attention: Ric Vardel
Report Date: 04-Mar-20 15:44
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0533-01) Collected: 22-Feb-20 By MA						
pH	SM 4500H-B	AB02236	0.1	22-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02235	0.05	22-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02227	1.8	24-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02227	1.8	24-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0533

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/22/20	9:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:00	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/22/20	1105
Received by		Alex Walkenjo	2/22/20	1105
Relinquished by		Alex Walkenjo	2/22/20	1325
Received by				
Relinquished by				
Received in lab by		Alex Walkenjo	2/22/20	1325

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid 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 5/1/17

PAT-CHEM
LABORATORIES

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

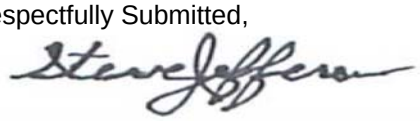
Attention: Ric Vardel
Report Date: 04-Mar-20 15:47
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0537-01) Collected: 23-Feb-20 By VA						
pH	SM 4500H-B	AB02641	0.1	23-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02425	0.05	24-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02318	1.8	25-Feb-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02318	1.8	25-Feb-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0537

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	2/23/20	10:14	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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FEB 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	2/23/20	10:14
Received by	Alex Walker Jr	2/23/20	1014
Relinquished by	Alex Walker Jr	2/23/20	1320
Received by			
Relinquished by			
Received in lab by	Alex Wan	2/24/20	1257

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 - $CuSO_4$

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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: 04-Mar-20 15:49
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0546-01) Collected: 24-Feb-20 By CA						
pH	SM 4500H-B	AB02641	0.1	24-Feb-20 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02425	0.05	24-Feb-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02426	1.8	26-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02426	1.8	26-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0546

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/24/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.23
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/24/20	1140
Received by	EC	Erwin	2.24.20	0/200
Relinquished by	EC	Erwin	2-24-20	1300
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/24/20	1258

Sample Received Checklist

Temperature upon receipt: 4°c

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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

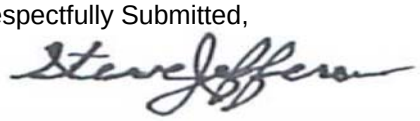
Attention: Ric Vardel
Report Date: 04-Mar-20 15:57
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0584-01) Collected: 25-Feb-20 By CA						
pH	SM 4500H-B	AB02641	0.1	25-Feb-20 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02640	0.05	26-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02545	1.8	27-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02545	1.8	27-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0584

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C. Vardel	**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	02/25/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.09/22.3?
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Vardel	Carlos Alvarez (IPC)	02/25/20	13:10
Received by	[signature]	Alexander Ochoa (CPL)	2/25/20	13:10
Relinquished by	[signature]	Alexander Ochoa (CPL)	2/25/20	14:55
Received by				
Relinquished by				
Received in lab by	[signature]	Alex Waldman Jr	2/25/20	1522

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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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-Mar-20 16:01
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0614-01) Collected: 26-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB02716	0.1	26-Feb-20 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02717	0.05	27-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02639	1.8	28-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02639	1.8	28-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0614

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	02/26/20	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.54/19.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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FEB 26 2020
By CW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	02/26/20	13:30
Received by		Juan Vasquez (PCL)	2/26/20	13:30
Relinquished by		Juan Vasquez (PCL)	2/26/20	14:45
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	2/26/20	1439

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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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(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-Mar-20 16:29
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0633-01) Collected: 26-Feb-20 By CA						
Ammonia as N	EPA 350.1	AB02713	0.10	27-Feb-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AB02711	0.10	28-Feb-20 (LA)	0.67 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	28-Feb-20 (LA)	2.86 mg/l	
Total Suspended Solids	SM2540D	AB02714	1	27-Feb-20 (SS)	<1 mg/l	
Nitrate as N	EPA 353.2	AB02712	0.02	27-Feb-20 (LA)	2.18 mg/l	
Nitrite as N	EPA 353.2	AB02712	0.02	27-Feb-20 (LA)	<0.02 mg/l	
EFF (Sample I.D.# : 20B0633-02) Collected: 25-Feb-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AB02719	2	03-Mar-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0633

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. Dunn
	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	02/26/20	1155	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	7.77/17.5°C
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	02/25/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 26 2020
By AW

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dunn	Carlos Alvarez (IPC)	02/26/20	13:30
Received by	Juan Vasquez	Juan Vasquez (PCL)	2/26/20	13:30
Relinquished by	Juan V.	Juan Vasquez (PCL)	2/26/20	14:45
Received by				
Relinquished by				
Received in lab by	Alex Walton	Alex Walton (PCL)	2/26/20	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.

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

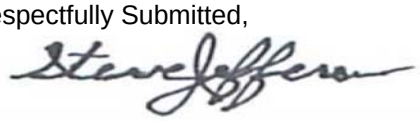
Attention: Ric Vardel
Report Date: 08-Mar-20 15:37
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20B0627-01) Collected: 26-Feb-20 By CA						
Biochemical Oxygen Demand	SM 5210B	AB02719	2	03-Mar-20 (RM)	312 mg/l	
Total Suspended Solids	SM2540D	AB02714	1	27-Feb-20 (SS)	278 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0627

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
INF	02/25/20	0000	1	TSS	Grab	AQ	1L P	4°C	7.56/20.9°C
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
FEB 26 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PAC)	02/26/20	13:30
Received by		Juan Vasquez (PCL)	2/26/20	13:30
Relinquished by		Juan Vasquez (PCL)	2/26/20	14:45
Received by				
Relinquished by				
Received in lab by		Alex Wallentin	2/26/20	1548

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

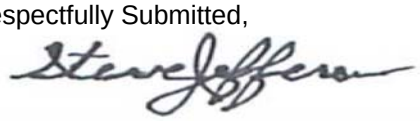
Attention: Ric Vardel
Report Date: 04-Mar-20 16:03
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0665-01) Collected: 27-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB02728	0.1	27-Feb-20 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02731	0.05	28-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02715	1.8	29-Feb-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02715	1.8	29-Feb-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0665

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	02/27/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	7.81/23.9°

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Arana (CA)	02/27/20	11:20
Received by		Juan Vasquez (PCL)	2/27/20	11:20
Relinquished by		Juan Vasquez (PCL)	2/27/20	1610
Received by				
Relinquished by				
Received in lab by				1556

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 04-Mar-20 16:07
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0692-01) Collected: 28-Feb-20 By Carlos A. of IPC						
pH	SM 4500H-B	AB02903	0.1	28-Feb-20 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02902	0.05	29-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02812	1.8	01-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02812	1.8	01-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0692

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/28/20	1235	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.05/20.9°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	02/28/20	1355
Received by		MARIO SANTIESTEBAN (PCL)	2/28/20	1355
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	2/28/20	1502 ~~1355~~

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: 04-Mar-20 16:09
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20B0704-01) Collected: 29-Feb-20 By Mario Aguirre						
pH	SM 4500H-B	AB02909	0.1	29-Feb-20 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AB02910	0.05	29-Feb-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AB02901	1.8	02-Mar-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AB02901	1.8	02-Mar-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/4/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20B0704

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	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	2/29/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/29/20	1035
Received by	Jose L Gomez	Jose L Gomez	2/29/20	1035
Relinquished by	Jose L Gomez	Jose L Gomez	2/29/20	1140
Received by				
Relinquished by				
Received in lab by		Alex Walker JR	2/29/20	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.

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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: 08-Mar-20 15:15
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0003-01) Collected: 01-Mar-20 By Mario Aguirre						
pH	SM 4500H-B	AC00433	0.1	01-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00225	0.05	02-Mar-20 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00129	1.8	03-Mar-20 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00129	1.8	03-Mar-20 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2020003

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	3/1/2020	09:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/1/20	09:43
Received by	Jose L Gomez	Jose L Gomez	3/1/20	1020
Relinquished by	Jose L Gomez	Jose L Gomez	3/1/20	1120
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr.	3/1/20	1120

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

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

Attention: Ric Vardel
Report Date: 08-Mar-20 15:18
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0020-01) Collected: 02-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00433	0.1	02-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00327	0.05	03-Mar-20 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00232	1.8	04-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00232	1.8	04-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0020

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/02/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 14.7
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/02/20	11:43
Received by		Cindy Mapstone	3/2/20	11:43
Relinquished by		Cindy Mapstone	3/2/20	14:05
Received by				
Relinquished by				
Received in lab by		Alex Walker JL	3/2/20	1572

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

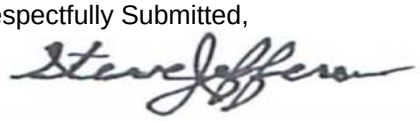
Attention: Ric Vardel
Report Date: 08-Mar-20 15:21
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0055-01) Collected: 03-Mar-20 By CA						
pH	SM 4500H-B	AC00433	0.1	03-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00435	0.05	04-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00331	1.8	05-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00331	1.8	05-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0055

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	C.D.
	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	03/03/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.30/22.9°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	03/03/20	12:35
Received by		Armando Ochoa (PCL)	3/3/20	17:35
Relinquished by		Armando Ochoa (PCL)	3/3/20	15:17
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/4/20	1527

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

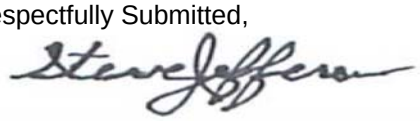
Attention: Ric Vardel
Report Date: 13-Mar-20 18:25
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20C0109-01) Collected: 03-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC00536	2	10-Mar-20 (SS)	37 mg/l	
Total Suspended Solids	SM2540D	AC00537	1	06-Mar-20 (EA)	280 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0109

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
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	03/03/20	0000	1	TSS	Comp	AQ	1L P	4°C	6.87 / 16.9°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/04/20	17:30
Received by		Armando Ochoa (Ontex)	3/4/20	17:30
Relinquished by		Armando Ochoa (Ontex)	3/4/20	15:30
Received by				
Relinquished by				
Received in lab by		Alex Valencia Jr	3/4/20	1541

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 - $CuSO_4$

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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: 08-Mar-20 15:24
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0099-01) Collected: 04-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00534	0.1	04-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00444	0.05	04-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00432	1.8	06-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00432	1.8	06-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0099

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** C. Q.	**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	03/04/20	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.28 / 21.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 04 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarez (IPC)	03/04/20	17:30
Received by		Mensajero Cruz (Fedex)	3/4/20	11:30
Relinquished by		Mensajero Cruz (Fedex)	3/4/20	16:18
Received by				
Relinquished by				
Received in lab by		Alex Warren Jr	3/4	1927

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
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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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

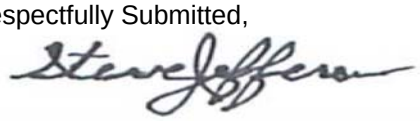
Attention: Ric Vardel
Report Date: 13-Mar-20 18:21
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0108-01) Collected: 04-Mar-20 By Carlos A. of IPC						
Ammonia as N	EPA 350.1	AC00608	0.10	06-Mar-20 (SS)	0.15 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC00921	0.10	10-Mar-20 (LA)	0.21 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	10-Mar-20 (LA)	2.24 mg/l	
Total Suspended Solids	SM2540D	AC00537	1	06-Mar-20 (EA)	<1 mg/l	
Nitrate as N	EPA 353.2	AC00531	0.02	05-Mar-20 (LA)	1.98 mg/l	
Nitrite as N	EPA 353.2	AC00531	0.02	05-Mar-20 (LA)	0.05 mg/l	
EFF (Sample I.D.# : 20C0108-02) Collected: 03-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC00536	2	10-Mar-20 (SS)	2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000108

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
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	03/04/20	1255	1	TSS	Grab	AQ	1L P	4°C	7.37/19.6°C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	03/03/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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RECEIVED MAR 04 [illegible] By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/04/20	12:30
Received by		Ammaro Ames (Patchem)	3/4/20	17:30
Relinquished by		Ammaro Ames (Patchem)	3/4/20	15:30
Received by				
Relinquished by				
Received in lab by		Alex Walton Jr	3/4/20	1537

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

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

Attention: Ric Vardel
Report Date: 08-Mar-20 15:27
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0123-01) Collected: 05-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00542	0.1	05-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00545	0.05	05-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00533	1.8	07-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00533	1.8	07-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/8/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0123

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36 / 18.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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MAR 05 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CARE)	03/05/20	17:15
Received by	Armando Ochoa (Patchem)	3/5/20	17:15
Relinquished by	Armando Ochoa (Patchem)	3/5/20	15:00
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	3/5/20	1413

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.

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San Fernando, CA 91340
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

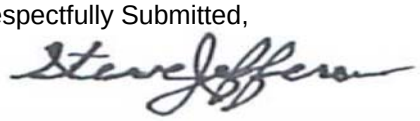
Attention: Ric Vardel
Report Date: 24-Mar-20 16:48
Subject: (MCC) Monthly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0134-01) Collected: 05-Mar-20 By CA						
Boron	EPA 200.7	AC00606	0.10	11-Mar-20 (AF)	0.32 mg/l	
MBAS	SM 5540 C	AC00604	0.05	06-Mar-20 (PL)	<0.05 mg/l	
Oil & Grease (HEM)	EPA 1664A	AC00616	5	11-Mar-20 (SC)	<5 mg/l	
Phosphorus, Total as P	EPA 365.3	AC01725	0.02	18-Mar-20 (LA)	0.11 mg/l	
Total Dissolved Solids	SM 2540C	AC00836	5	11-Mar-20 (RM)	904 mg/l	
Chloride	EPA 300.0	AC00838	1.0	10-Mar-20 (RM)	222 mg/l	
Sulfate as SO4	EPA 300.0	AC00838	0.5	10-Mar-20 (RM)	139 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/24/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0134

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/20	1130	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.37 / 21.0°C
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 05 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (APC)	03/05/20	12:15
Received by	Armando Ortiz (Patcem)	3/5/20	12:15
Relinquished by	Armando Ortiz / Patcem	3/5/20	15:00
Received by			
Relinquished by			
Received in lab by	Alex Wardlaw Jr.	3/5/20	1500

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

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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

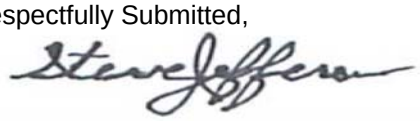
Attention: Ric Vardel
Report Date: 13-Mar-20 17:49
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0153-01) Collected: 06-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC00705	0.1	06-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00706	0.05	07-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00609	1.8	08-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00609	1.8	08-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0153

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/06/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/06/20	12:05
Received by		Juan Vasquez (PCL)	3/6/20	1205
Relinquished by		Juan Vasquez (PCL)	3/6/20	13:20
Received by				
Relinquished by				
Received in lab by		Alex Wu/Kevin Le	3/6/20	1350

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
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
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pat-chem.com

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

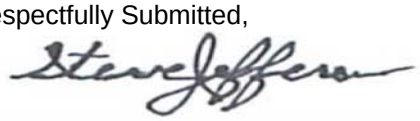
Attention: Ric Vardel
Report Date: 13-Mar-20 18:12
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0170-01) Collected: 07-Mar-20 By Mario Aquirre						
pH	SM 4500H-B	AC00834	0.1	07-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00833	0.05	08-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00704	1.8	09-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00704	1.8	09-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000170

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/7/20	9:53	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
MAR 07 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	3/7/20	1431
Received by	Alex Walkuski	3/7/20	1431
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Alex Walkuski	3/7/20	1605

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

PAT-CHEM
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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: 13-Mar-20 18:16
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0174-01) Collected: 08-Mar-20 By VA						
pH	SM 4500H-B	AC01132	0.1	08-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00922	0.05	09-Mar-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00832	1.8	10-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00832	1.8	10-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000174

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	3/8/2020	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 08 2020
RM
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/8/20	09:35
Received by		RM PCL	3/8/20	1700
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	3/8/20	1811

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

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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

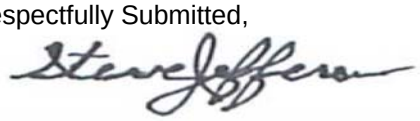
Attention: Ric Vardel
Report Date: 13-Mar-20 18:18
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0191-01) Collected: 09-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01132	0.1	09-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC00922	0.05	09-Mar-20 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC00919	1.8	11-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC00919	1.8	11-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/13/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0191

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	03/01/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6/16.1°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez	03/09/20	12:00
Received by		Juan Vasquez (PCL)	03/9/20	12:00
Relinquished by		Juan Vasquez (PCL)	3/9/20	12:55
Received by				
Relinquished by				
Received in lab by		Alex Walker	3/9/20	1414

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Mar-20 15:57
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0230-01) Collected: 10-Mar-20 By JL						
pH	SM 4500H-B	AC01132	0.1	10-Mar-20 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01135	0.05	11-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01033	1.8	12-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01033	1.8	12-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/16/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0236

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	03-10-20	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7-19 | 16.8°
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	3-10-20	13:30
Received by	Alexandra Ortiz (IPC)	3/10/20	13:30
Relinquished by	Alexandra Ortiz (IPC)	3/10/20	14:35
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr	3/10/20	15:15

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 (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 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 tests 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 rendered 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 pay PCL for all previously rendered or is otherwise in breach of the agreement subject to any analysis requested by law, or legal process. PCL may use the same standard of care it uses in its own confidential matters and data and shall not be responsible for unauthorized disclosure of such data when such disclosure was made in PCL reports and information provided hereunder for the exclusive use and benefit of client except as agreed otherwise in writing. Regardless of such reports, data or information, Client will not disclose to any third party any information concerning the investigation, unless as necessary in order to enforce its rights.

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, damages, claims, demands, causes of action, suits and consultant expenses, including but not limited to attorneys fees and court expenses and awards arising in favor of Client or any third party as a result of, arising in whole or in part out of, or in connection with the performance or breach by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. Client shall at all times at client's expense, defend, indemnify, and hold harmless PCL, its officers, directors, agents, affiliates, successors and parent harmless from and against any and all claims, losses, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any unauthorized person, whether actual or alleged, in the performance of services under this agreement. The foregoing obligations and all of its duties of any nature whatsoever shall survive the termination of this agreement. The foregoing obligations and all of its duties of any nature whatsoever shall survive the termination of this agreement. To the fullest extent permitted by applicable law, Client agrees that no claim for consequential damages shall be asserted by Client, which limitation shall be in the maximum amounts permitted under applicable law. In addition, Client will be liable to PCL for all direct, incidental, special, consequential or consequential damages including without limitation, loss of profit or business interruption, situation expenses, attorney fees including, without limitation, attorney's fees, court costs, and the cost of such judgment interest, or any other expenses or costs incurred by client or any of its agents or any liabilities against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement in excess of the governing cap.

11. Hazardous Substances

For PCL to perform the services requested by Client, Client will provide and PCL will receive samples of materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are declared, determined or classified as such under federal, state or local laws, rules, PCL policies or regulations (hereafter collectively or individually referred to as "controlled or prohibited or any judicial or administrative interpretation of any thereof the "Hazardous Substances"). 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 retained 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 aerobic 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(s) such services are the date 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 is due upon or upon receipt of invoice. All new clients or clients who do not have 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 rate of the maximum rate permitted by law or one and one-half percent (1 1/2%) 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 agrees to be in default with such collection procedures or 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 the client, authorized representative, except that subsequent orders for additional services may be verbal as it is writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL is in have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client's consulting 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 work, data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, he shall be used to relied upon, in connection with or as part of, the distribute, sale, underwriting, or solicitation of any securities, any periodic or other reporting to and statement any authority, the obtaining, 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 sample that are delivered on weekends or after hours or unless previously instituted prior modification 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 48 hours to allow PCL to report 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 24 hours or less (unless it is 1 hours) must be delivered that same day to ensure 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 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: 17-Mar-20 15:23
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0278-01) Collected: 11-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01150	0.1	11-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01146	0.05	11-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01131	1.8	13-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01131	1.8	13-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0278

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/11/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/11/20	1245
Received by	EG	Evans	3/11/20	1245
Relinquished by	EG	Evans	3/11/20	1320
Received by				
Relinquished by				
Received in lab by		Alex Walther	3/11/20	1355

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 additional agreement(s) hereto which are or are to be in writing. "Client" means the individual or entity who may request laboratory services, consisting of employing parties 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 (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 by the Client 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 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), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Waters 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 hereto, 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 any sample material provided by Client or collected by PCL on behalf of Client shall be considered confidential and proprietary information and shall not be disclosed to any person or entity other than Client or Client's designated representatives without the written consent of Client, except as required by law or legal process. PCL shall use the same degree of care to protect Client's confidential information as it uses to protect its own confidential information of a similar nature, but in no event less than reasonable care. Notwithstanding the foregoing, PCL may disclose Client's confidential information to its employees, subcontractors, and agents who have a need to know such information in order to perform the services, provided that they are bound by confidentiality obligations no less restrictive than those contained herein. Upon termination of this agreement, PCL shall return or destroy all of Client's confidential information in its possession, except that PCL may retain one archival copy for its records, subject to the confidentiality obligations herein.

10. Hold Harmless

Client agrees to defend, indemnify, release and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, damages, claims, demands, costs, expenses and reasonable attorneys' fees (including those incurred by PCL in enforcing this indemnity) arising out of or relating to: (a) any third-party claim, action, suit, proceeding or investigation (whether formal or informal) brought by any governmental authority, regulatory body, or private party, alleging violation of any law, regulation, or permit, or seeking damages, fines, penalties, or injunctive relief, in connection with or arising out of the services provided hereunder, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to perform its obligations under this agreement, Client's breach of any representation or warranty made by Client in this agreement, or Client's negligence or willful misconduct; (b) any claim, action, suit, proceeding or investigation by a third party (including any governmental authority, regulatory body, or private party) alleging that PCL's performance of the services hereunder, or the use by PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies of any equipment, materials, or intellectual property provided by Client, infringes, misappropriates, or otherwise violates any patent, trademark, copyright, trade secret, or other intellectual property right of any third party; (c) any claim, action, suit, proceeding or investigation by a third party (including any governmental authority, regulatory body, or private party) alleging that PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies were negligent or committed any tort, breach of contract, or violation of law, regulation, or permit in connection with the services provided hereunder, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to perform its obligations under this agreement, Client's breach of any representation or warranty made by Client in this agreement, or Client's negligence or willful misconduct; and (d) any claim, action, suit, proceeding or investigation by a third party (including any governmental authority, regulatory body, or private party) arising out of or relating to any hazardous substances, pollutants, contaminants, or other regulated materials that are present in, on, or under any property, facility, or equipment owned, leased, or controlled by Client, or that are generated, transported, stored, treated, or disposed of by Client or its employees, agents, or representatives in connection with the services provided hereunder, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to properly identify, characterize, package, label, transport, store, treat, or dispose of such hazardous substances in accordance with applicable laws, regulations, and industry standards, or Client's failure to provide adequate warnings or information to PCL regarding the presence, nature, or hazards of such hazardous substances. Client's indemnification obligations under this section shall survive the termination or expiration of this agreement and shall not be limited by any insurance coverage maintained by Client. Notwithstanding the foregoing, Client shall have no obligation to indemnify, defend, or hold harmless PCL for any claim, action, suit, proceeding or investigation to the extent that it arises from or is caused by the gross negligence or willful misconduct of PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies. Client's indemnification obligations under this section shall be subject to the following conditions: (i) PCL shall promptly notify Client in writing of any claim, action, suit, proceeding or investigation for which indemnification is sought, provided that PCL's failure to provide such notice shall not relieve Client of its indemnification obligations except to the extent that Client is materially prejudiced by such failure; (ii) PCL shall cooperate with Client, at Client's reasonable request and expense, in the defense or settlement of any such claim, action, suit, proceeding or investigation; and (iii) Client shall not settle any such claim, action, suit, proceeding or investigation without the prior written consent of PCL, which consent shall not be unreasonably withheld, conditioned or delayed, except that Client may settle any such claim without PCL's consent if such settlement (A) includes an unconditional release of PCL from all liability in connection therewith, (B) does not impose any obligations or restrictions on PCL, and (C) does not admit any fault or wrongdoing on the part of PCL. Client's indemnification obligations under this section shall be in addition to, and not in lieu of, any other indemnification obligations of Client under this agreement or applicable law.

11. Hazardous Substances

For this agreement, the services may involve the handling of samples that will or may be identified by PCL as containing hazardous substances. Client represents and warrants that it has disclosed to PCL all known or suspected hazardous substances, pollutants, contaminants, wastes and other regulated materials that may be present in, on, or under any property, facility, or equipment owned, leased, or controlled by Client, or that may be generated, transported, stored, treated, or disposed of by PCL in connection with the services provided hereunder. Client further represents and warrants that it has complied with all applicable laws, regulations, and permits relating to the handling, storage, transportation, treatment, and disposal of such hazardous substances, and that it has provided PCL with all information and documentation necessary for PCL to perform the services in accordance with applicable laws and regulations. Client shall indemnify, defend, and hold harmless PCL and its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, damages, claims, demands, costs, expenses and reasonable attorneys' fees (including those incurred by PCL in enforcing this indemnity) arising out of or relating to: (a) any third-party claim, action, suit, proceeding or investigation (whether formal or informal) brought by any governmental authority, regulatory body, or private party, alleging violation of any law, regulation, or permit, or seeking damages, fines, penalties, or injunctive relief, in connection with or arising out of the services provided hereunder, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to perform its obligations under this agreement, Client's breach of any representation or warranty made by Client in this agreement, or Client's negligence or willful misconduct; (b) any claim, action, suit, proceeding or investigation by a third party (including any governmental authority, regulatory body, or private party) alleging that PCL's performance of the services hereunder, or the use by PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies of any equipment, materials, or intellectual property provided by Client, infringes, misappropriates, or otherwise violates any patent, trademark, copyright, trade secret, or other intellectual property right of any third party; (c) any claim, action, suit, proceeding or investigation by a third party (including any governmental authority, regulatory body, or private party) alleging that PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies were negligent or committed any tort, breach of contract, or violation of law, regulation, or permit in connection with the services provided hereunder, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to perform its obligations under this agreement, Client's breach of any representation or warranty made by Client in this agreement, or Client's negligence or willful misconduct; and (d) any claim, action, suit, proceeding or investigation by a third party (including any governmental authority, regulatory body, or private party) arising out of or relating to any hazardous substances, pollutants, contaminants, or other regulated materials that are present in, on, or under any property, facility, or equipment owned, leased, or controlled by Client, or that are generated, transported, stored, treated, or disposed of by Client or its employees, agents, or representatives in connection with the services provided hereunder, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to properly identify, characterize, package, label, transport, store, treat, or dispose of such hazardous substances in accordance with applicable laws, regulations, and industry standards, or Client's failure to provide adequate warnings or information to PCL regarding the presence, nature, or hazards of such hazardous substances. Client's indemnification obligations under this section shall survive the termination or expiration of this agreement and shall not be limited by any insurance coverage maintained by Client. Notwithstanding the foregoing, Client shall have no obligation to indemnify, defend, or hold harmless PCL for any claim, action, suit, proceeding or investigation to the extent that it arises from or is caused by the gross negligence or willful misconduct of PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies. Client's indemnification obligations under this section shall be subject to the following conditions: (i) PCL shall promptly notify Client in writing of any claim, action, suit, proceeding or investigation for which indemnification is sought, provided that PCL's failure to provide such notice shall not relieve Client of its indemnification obligations except to the extent that Client is materially prejudiced by such failure; (ii) PCL shall cooperate with Client, at Client's reasonable request and expense, in the defense or settlement of any such claim, action, suit, proceeding or investigation; and (iii) Client shall not settle any such claim, action, suit, proceeding or investigation without the prior written consent of PCL, which consent shall not be unreasonably withheld, conditioned or delayed, except that Client may settle any such claim without PCL's consent if such settlement (A) includes an unconditional release of PCL from all liability in connection therewith, (B) does not impose any obligations or restrictions on PCL, and (C) does not admit any fault or wrongdoing on the part of PCL. Client's indemnification obligations under this section shall be in addition to, and not in lieu of, any other indemnification obligations of Client under this agreement or applicable law.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of order submission. Rates for services apply to normal business hours and take exceptions in writing. Any price increase or discount will require written notification. Payment is due upon receipt of invoice unless otherwise specified in a written agreement between PCL and Client. If Client has been approved with PCL for a net payment term, such as net 30 days, payment is due at the end of the month in which the invoice was issued. Late payments are subject to a finance charge of 1.5% per month on the unpaid balance. If legal action is required to collect unpaid invoices, Client shall be responsible for all reasonable collection costs, including attorneys' fees and court costs. PCL reserves the right to suspend services or withhold results for accounts that are more than 30 days past due, without liability for any resulting delays or damages.

13. Agreement Modification

Changes, modifications, or amendments to these Terms shall be effective only if in writing and executed by authorized representatives of both PCL and Client. Additional or 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 to any third party for any use or reliance on any information or reports furnished by PCL to Client. Such information is provided for the sole benefit and use of Client and its successors and assigns, and no other person or entity, including any third-party beneficiaries or any employees, agents, or representatives of Client, shall have any rights to rely upon or enforce any provisions of these Terms. Client represents, warrants, and agrees that any data, information, and reports that are prepared or shared by PCL and that Client intends to rely upon in connection with or as part of its business, including any regulatory submissions or communications with any governmental authority or other third party, shall be prepared or shared by PCL in accordance with all applicable laws, regulations, and industry standards. Client shall indemnify, defend, and hold harmless PCL and its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, damages, claims, demands, costs, expenses and reasonable attorneys' fees (including those incurred by PCL in enforcing this indemnity) arising out of or relating to any claim, action, suit, proceeding or investigation by any third party (including any governmental authority, regulatory body, or private party) alleging that PCL's performance of the services hereunder, or the use by PCL or its employees, officers, directors, agents, affiliates, subsidiaries or parent companies of any equipment, materials, or intellectual property provided by Client, infringes, misappropriates, or otherwise violates any patent, trademark, copyright, trade secret, or other intellectual property right of any third party, to the extent such claim, action, suit, proceeding or investigation is based on, results from, or is caused in whole or in part by the acts or omissions of Client, its employees, agents, or representatives, including but not limited to Client's failure to perform its obligations under this agreement, Client's breach of any representation or warranty made by Client in this agreement, or Client's negligence or willful misconduct.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If samples are received without the rush turnaround time charge, the turnaround time will apply.

16. Holding Times

PCL cannot be responsible for holding times that are unrealistic or short for samples that are delivered on weekends or other times on overnight without prior notification and acceptance. Standard holding times and all laboratory conditions should be reviewed upon initial sample(s) being received by PCL. A list of holding times will be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 16 hours to allow PCL to meet holding time without assessing a rush surcharge. All short holding times (24 hours or less) samples must arrive at the lab within 24 hours before logistics can ensure that the holding time can be met. Short holding times of 48 hours or less (unless it is 3 hours) must be delivered the same day in order to guarantee holding times are met. After hours, late delivery, sample complex, delays of 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 which time they are disposed. Unique 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 may be the occasion 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: 24-Mar-20 16:52
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF - Grab (Sample I.D.# : 20C0282-01) Collected: 11-Mar-20 By Carlos A. of IPC						
Ammonia as N	EPA 350.1	AC01532	0.10	16-Mar-20 (SS)	<0.10 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC01317	0.10	13-Mar-20 (LA)	1.12 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	13-Mar-20 (LA)	2.72 mg/l	
Total Suspended Solids	SM2540D	AC01224	1	13-Mar-20 (EA)	1 mg/l	
Nitrate as N	EPA 353.2	AC01130	0.02	11-Mar-20 (SS)	1.57 mg/l	
Nitrite as N	EPA 353.2	AC01130	0.02	11-Mar-20 (SS)	0.03 mg/l	
EFF - Composite (Sample I.D.# : 20C0282-02) Collected: 10-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC01223	2	17-Mar-20 (RM)	<2 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/24/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0282

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
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	03/11/20	1155	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	03/10/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	03/11/20	1245
Received by	Eb	Evan G (PCL)	3/11/20	1245
Relinquished by	Eb	Evan G (PCL)	3.11.20	1320
Received by				
Relinquished by				
Received in lab by	Alex Lam Jr		3/11/20	1409

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 her duly authorized agents 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) solely and only on 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 these 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, orally or by submitting a written Chain of Custody (COC) to PCL, duly such order constitutes an acceptance by the Client of PCL's offer to do business with the Client under the Terms and Conditions and Client agrees 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 have become a part of this contract (notwithstanding PCL's failure to object to such 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 substantially consistent with the U.S. Environmental Protection Agency (EPA), CA Waterboards (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 decide if on 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 the 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 conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the safety and all precautions 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

[illegible]

10. Hold Harmless

[illegible]

11. Hazardous Substances

[illegible]

12. Prices/Payments

[illegible]

13. Agreement Modification

[illegible]

14. No Third Party Beneficiaries: No Right of Reliance

[illegible]

15. Rush Analysis

[illegible]

16. Holding Times

[illegible]

17. Sample Retention

[illegible]

18. Sample Pick Up/Field Tech Sampling

[illegible]

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

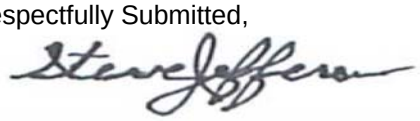
Attention: Ric Vardel
Report Date: 24-Mar-20 16:57
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20C0280-01) Collected: 11-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC01223	2	17-Mar-20 (RM)	468 mg/l	
Total Suspended Solids	SM2540D	AC01224	1	13-Mar-20 (EA)	258 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/24/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20000280

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Ramos	**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	03/10/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PAC)	03/11/20	1245
Received by		pat 3/11/20		1245
Relinquished by		pat 3/11/20		1320
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/11/20	1406

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any addenda or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including via 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 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 Solicitation / 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 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 work utilized in the profession. Where applicable, PCL will use analytical methods which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (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 those methodologies as 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 case by case basis with the recognition and use 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 payment amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the involved 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 in for conditions in and about the sampling site and for advising PCL of the same and all information requested 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 on the issuance 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/or services provided by PCL shall be confidential to Client's consent and PCL shall not disclose to any third party without Client's prior written consent, except as required by law or legal process. PCL shall use the same standard of care as it employs to protect its own confidential information, but shall not be responsible for any loss or damage caused by disclosure of such information unless disclosure is due to PCL's gross negligence or willful misconduct. PCL reports and invoices are for the exclusive use and benefit of Client and may not be relied upon by any other person or entity without PCL's express written consent. Client will not publish PCL reports or invoices, or refer to PCL or any affiliate in any manner, without PCL's prior written consent in each instance. Client will not quote PCL any billing rates, price information or other information without prior written or other written consent.

10. **Hold Harmless**

Client agrees to, shall and hereby indemnifies and holds PCL, its employees, officers, directors, agents, affiliates, subsidiaries, parents and partners from and against any and all liabilities, actions, damages, claims, demands, losses and expenses including, but not limited to, attorneys' fees, costs and expenses, of whatever kind or nature known or unknown, foreseen or unforeseen, which may arise out of or in connection with the performance of services by PCL pursuant to this agreement or any work authorized by PCL pursuant to this agreement or any omissions, including breaches of client's representations or warranties herein, by client or client's employees, agents, or subcontractors. Client's duty to indemnify PCL shall apply whether or not such liabilities, actions, damages, claims, demands, losses and expenses are caused in part by the negligence of PCL or its employees, officers, directors, agents, affiliates, subsidiaries, parents and partners. Client's duty to indemnify PCL shall apply to any and all claims by third parties, including but not limited to governmental agencies, arising out of any kind of hazardous substance, toxic substance, waste or contamination, including, but not limited to, soil, air, surface water, groundwater, or any other natural resource, whether known or unknown, foreseen or unforeseen, which may arise out of or in connection with the performance of services by PCL and the other indemnified parties. To the extent required by law, any applicable law that restricts or limits Client's ability to indemnify PCL or any of the other indemnified parties, as set forth herein, shall be deemed modified to the extent necessary to allow Client to indemnify PCL and the other indemnified parties to the fullest extent permitted by law. Client agrees that its indemnification obligations under this agreement shall survive the termination of this agreement. The foregoing shall not apply to any claim, liability, loss or damage that arises out of the sole negligence or willful misconduct of PCL or the other indemnified parties. Client shall not settle any claim, liability, loss or damage that arises out of or in connection with the performance of services by PCL and the other indemnified parties without the prior written consent of PCL, which consent shall not be unreasonably withheld. Client shall promptly notify PCL of any claim, liability, loss or damage that arises out of or in connection with the performance of services by PCL and the other indemnified parties. Client's duty to indemnify PCL shall apply whether or not such claim, liability, loss or damage is based or alleged to be based on strict liability. Client's duty to indemnify PCL shall apply to any claim, liability, loss or damage that arises out of or in connection with the performance of services by PCL and the other indemnified parties, even if PCL is actively, passively, jointly or concurrently negligent with Client or any other person or entity, except that Client shall not be required to indemnify PCL for any claim, liability, loss or damage that arises out of the sole negligence or willful misconduct of PCL or the other indemnified parties as determined by final arbitration or court decision or by the agreement of Client and PCL. Client shall indemnify PCL for all expenses, including but not limited to, fees and costs of attorneys and experts, reasonably incurred in connection with a claim, liability, loss or damage for which Client is required to indemnify PCL, whether or not such claim, liability, loss or damage is ultimately determined to be due. In the event Client fails to obtain insurance as required by this agreement or fails to pay any claim that is allegedly subject to Client's indemnification obligations, and PCL ultimately pays such claim, Client agrees to reimburse PCL for all expenses, including but not limited to, fees and costs of attorneys and experts, reasonably incurred by PCL in connection with such claim, within 30 days after PCL's demand.

11. **Hazardous Substances**

For PCL to perform certain services requested by Client, Client will provide PCL with relevant samples (subject to analysis such as asbestos, possible mixed / biological) bacteria or microbial contaminant, toxic or hazardous wastes and substances which are present, discovered or identified as a result of Client's activities or operations. Client represents and warrants that Client has informed PCL in writing of any relevant or known hazards, risks or special conditions that may be encountered in the performance 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 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 aerobic bacterial analysis, Client shall be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. **Prices/Payments**

Orders placed with PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order are not cancelable or subject to modification except by mutual written agreement and upon terms of indemnity. 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 clients with outstanding balances until credit has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET [illegible] within thirty (30) days from date of invoice. Invoices not paid within thirty (30) days are 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 all collection costs and attorney's fees or equity fees associated with such collection, pre-litigation or 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 or 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 liability or liability for client's use or reliance on any information, or reports furnished by PCL. Client's consulting services hereunder for its own benefit, and not as agent or broker, or any other representative of any other person or entity. Client agrees and acknowledges that there are no third party beneficiaries of this agreement, and that no third party may rely on, participate in, or receive reports. Client represents, warrants and agrees that card data, information and records are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any interest in or obligation of the holder of any security, the solvency, investment potential, or value of any security, and any financial institution or other person or entity in connection with contracting with, doing business with, or any governmental agency or department.

15. **Rush Analysis**

Rush analyses are available for an additional charge and must be scheduled in advance. If, for any unforeseen reason, the client's required turnaround 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 other non-business days, such as those with air- and weekends. 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, 2-3 days, samples must arrive at the lab within 24 hours before exposition to ensure that the holding times can be met. Short holding times of 48 hours or less (excepting 8 hours) must be delivered to the lab 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 retained on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during a 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: 17-Mar-20 15:26
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0323-01) Collected: 12-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01229	0.1	12-Mar-20 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01323	0.05	13-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01222	1.8	14-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01222	1.8	14-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0323

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	03/12/20	1205	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/12/20	12:45
Received by		Jairo Menjivar	3/12/20	12:45P
Relinquished by		Jairo Menjivar	3/12/20	15:00 P.
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/12/20	1540

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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 for its officers, 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 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. Any contrary or additional terms and conditions expressed 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), CA Water Boards (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 where 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 prior 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 information materials provided by client or client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public other than as a result of a breach of the agreement) subject to any disclosure required by law or by regulatory body. 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 information. Such standard agreement to PCL records, reports, or results of testing are for the sole use and benefit of client and may not be relied upon by any third party except as expressly agreed in writing. Client or any third party may not use PCL's name in any manner in connection with the sale, offering for sale, or solicitation of any securities, or in any manner that may imply that PCL's services, reports, or results are endorsed by PCL or its employees. Except as otherwise specifically agreed to in writing, PCL owns all rights, whether of every kind and character, in any and all data, information and reports prepared by PCL in connection with the performance of services under this agreement. The foregoing notwithstanding, within a reasonable time after the completion of the services, PCL will, upon request of client, deliver to client copies of all data, information and reports prepared by PCL in connection with the performance of services under this agreement. Client understands and agrees, however, that PCL shall be entitled to retain such records as it may deem necessary to demonstrate the quality and nature of its work. In the event that PCL is required to respond to a subpoena, court order, or other official process for the production of documents or testimony relating to the services performed for client under this agreement, client shall reimburse PCL for the time spent and costs incurred by PCL in responding to such process at PCL's then prevailing standard rates. Client also agrees to reimburse PCL for any and all costs incurred by PCL in connection with quashing or objecting to such process.

10. Hold Harmless

Client will agree and hereby does indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and assigns harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and reasonable expenses (including but not limited to attorneys' fees) asserted against and awarded by any third party as a result of, or arising incident to, or in any way out of, or as a consequence of, the performance of services by PCL pursuant to this agreement and/or the publication, furnishing or approval of reports or data hereunder. To the fullest extent permitted by law, client agrees to limit PCL's liability to client and to all third parties for any and all claims, losses, costs, damages of any kind and character, including attorneys' fees, so that the total aggregate liability of PCL to all those named shall not exceed the amount of PCL's fee for the services performed in connection with this agreement. The foregoing notwithstanding, in the event PCL and the client are determined by a court of competent jurisdiction to be jointly liable, which is not to be limited to the event of a finding of gross negligence of PCL or its employees, then the indemnity shall specifically apply to cover claims and liabilities of every kind and character arising out of or in connection with the negligence of the client and the percentage of negligence attributable to client. Client agrees that PCL shall not be responsible for any and all consequential damages incurred by client as a result of any errors or omissions in the performance of services under this agreement. The foregoing indemnity is in addition to any rights that PCL and the other indemnified parties may have at law or otherwise. To the fullest extent permitted by law, client agrees that it will indemnify and hold PCL harmless from any and all liability, including without limitation, cost of clean-up, fines, penalties, damages, attorneys' fees and expenses, which PCL may become subject to as a result of PCL's performance of services under this agreement, whether such liability arises under statute or regulation or is based on common law principles of negligence, strict liability, trespass, nuisance or any other theory of liability, whether such liability is joint or several, known or unknown, asserted or unasserted, fixed or contingent, and whether such liability is based on acts or omissions of client, PCL, any of their employees, agents, consultants or contractors or any other parties, except for liability caused by the sole negligence or willful misconduct of PCL. This indemnification will survive termination of this agreement.

11. Hazardous Substances

If it is determined that soil is required by client, client will provide and PCL will receive samples marked for analysis such as asbestos, polychlorinated biphenyls, barrels or any other hazardous toxic material, wastes and substances which are defined, designated or identified as such under federal, state or local laws. PCL policy is to return such samples 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 client's consultant shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all relevant 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 aquatic 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 on the date of commencement of the services were rendered or such other quotes 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. In cases where no payment arrangement has been established with PCL for those clients with an established account, the terms for payment of invoices are NET EIGHT within thirty (30) days from dated invoices. In the event client permits credit or fails to promptly pay any amount when due, the unpaid amount shall be subject to interest at the lesser of the maximum rate permitted by law at that time 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 all collection costs and attorney's fees in addition to any amount unpaid. In the event of any litigation with such collection proceeding or 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's authorized representative, except that subsequent increases in fees for analytical 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 to 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 PCL 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 by virtue of the purchase, sale, underwriting, or distribution of any securities, any prospectus 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 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 (7 days, samples must arrive at the laboratory 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (pH is 15 minutes) 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 costs or 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

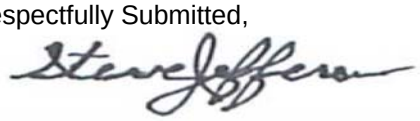
Attention: Ric Vardel
Report Date: 17-Mar-20 15:28
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0405-01) Collected: 13-Mar-20 By Carlos A. of IPC						
pH	SM 4500H-B	AC01539	0.1	13-Mar-20 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01408	0.05	14-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01320	1.8	15-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01320	1.8	15-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0465

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** JULIO LEN	**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	03-13-20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.62 / 12.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 13 2020
By

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

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEN	03-13-20	12:45
Received by	Fernando Olmos (PCLabs)	3/13/20	12:45
Relinquished by	Fernando Olmos (PCLabs)	3/13/20	15:40
Received by			
Relinquished by			
Received in lab by	Alex Warnick	3/13/20	1618

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 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 (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 lowest 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 material provided by client or at client's request and the results governed by PCL shall be held in confidence (unless such information is generally available to the public, with 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 such data when such standard was observed. All reports and information provided thereunder are for the exclusive use and benefit of client and client agrees that it shall not any third party beneficiary of such reports, data or information. Client will not disclose to any third party any information including the fact of this relationship, software programs or other know-how.

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 claims, losses or damages, liens, fines, fees, causes of action, suits and/or judgments regarding, but not limited to, cost, fees, liens, judgment against client and assets arising in favor of client or any third party as a result of, directly or indirectly relating 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. Client agrees to indemnify PCL for any and all damages, loss of services of use of property, and/or personal injuries of every kind or character. This indemnity shall 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 costs incurred by PCL, including all costs of every kind and character, in having to defend any claim or suit brought against PCL 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 indemnity 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 as set forth in this section shall be supported by 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, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or attorneys fees (including, without limitation, attorney's fees, court costs, and the 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 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 analysis such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or established 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, however, 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 by 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 in addition to any amount due, including such collection procedures or 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 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 providing 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 considered, or shall be used to reject work 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 to 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 hour will require samples to be hand delivered to the lab or courier to be picked up by lab personnel. Samples must arrive within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 24 hour will require samples to be hand delivered to the lab or courier to be picked up by lab personnel. Samples must arrive within 12 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hour will require samples to be hand delivered 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: 17-Mar-20 15:31
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0436-01) Collected: 14-Mar-20 By MA						
pH	SM 4500H-B	AC01539	0.1	14-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01412	0.05	14-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01406	1.8	16-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01406	1.8	16-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/17/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2004436

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/14/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	3/14/20	9:40	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	3/14/20	
Received by		RM PCL	3/14/20	1445
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	3/14/20	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
Al - $AlCl_3$
Cu - $CuSO_4$

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 29-Mar-20 14:33
Subject: (MCC) Daily EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0442-01) Collected: 15-Mar-20 By VA						
pH	SM 4500H-B	AC01539	0.1	15-Mar-20 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500Cl-G	AC01537	0.05	15-Mar-20 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AC01529	1.8	17-Mar-20 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AC01529	1.8	17-Mar-20 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 3/29/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0442

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
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	3/15/20	09:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/15/20	09:50
Received by		RM PCL	3/15/20	1415
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	3/15/20	1608

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: 06-Apr-20 21:15
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0465-01) Collected: 16-Mar-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC01642	1.8	16-Mar-20	18-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01642	1.8	16-Mar-20	18-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC01827	0.1	16-Mar-20	16-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC01726	0.05	17-Mar-20	17-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0465

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	
	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	03/16/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CSA)	03/16/20	1300
Received by		Eduardo	3/16/20	1300
Relinquished by		Cole	3/16/20	1400
Received by				
Relinquished by				
Received in lab by		Alex Wamsley	3/16/20	1357

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 (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 (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 voluntary 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 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 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 samples while such material was delivered, PCL reports and information provided thereto are for the exclusive use and benefit of client and/or it agrees there shall be no third party beneficiary of such reports, data or information. Client without approval by any third party, any information concerning technical information, software, programs or other know-how.

10. Hold Harmless

Client covenants and shall at all times 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 (including expert fees 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 incompletion of the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of any hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of use of or use of property and/or 3. breach of any of every term of this nature. This indemnity does not apply to any of the foregoing injury, suits, damages or liabilities caused solely by the willful misconduct or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, 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 indemnity will be in addition to any liability which the indemnified Person, PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that client will provide evidence will be submitted to evidence 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 words including, without limitation, attorneys fees, court costs, and the prejudgment 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, client will disclose and PCL will receive samples containing analytes such as asbestos, polychlorinated biphenyls, bacteria or any other substance or toxic material, wastes and substances which are defined, identified or classified 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 lab testing, 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 is due on or when analysis is completed is received for all work rendered 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 CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) be applicable law, any amount unpaid on 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 and shall be 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, 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 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 of samples that are delivered on weekends or after 7pm 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 36 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 (analytes in 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: 06-Apr-20 21:18
Subject: (MCC) Daily EFF

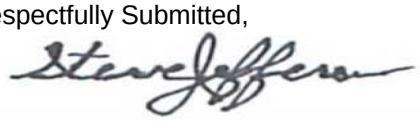
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0551-01) Collected: 17-Mar-20 By Golan Kfir							
Microbiological							
Fecal Coliforms	SM 9221E	AC01724	1.8	17-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01724	1.8	17-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC01827	0.1	17-Mar-20	17-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC01826	0.05	18-Mar-20	18-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000551

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/17/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 17 2020
By

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

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan, IPC	3/17/20	1115
Received by EB	Evan b	3/17/20	1215
Relinquished by EB	Evan b	3/17/20	1345
Received by			
Relinquished by			
Received in lab by	Alex Wallin	3/17/20	1439

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (G) Grab, Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" includes these Terms and Conditions of sale, including the price schedule, and any additional or amended terms which are agreed to in writing. "Client" means the individual or entity who/that 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 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 additional 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 the agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Associations 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

Note: any of the samples received, product tested or client's records and data shall be kept confidential by PCL and not used or disclosed to any third party for any purpose without the prior written consent of client, except as required by law or court order. Client agrees that PCL may disclose client's name and information to governmental agencies as required by law. Client will not disclose any confidential information of PCL to any third party without the prior written consent of PCL.

10. Hold Harmless

Client agrees to and shall 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, costs and any related expenses, including, but not limited to, attorneys' fees, expert witness fees and costs and investigation costs of any kind, whether for personal injury, death or property damage, or any other loss, damage or expense, arising out of or in connection with the performance of services by PCL pursuant to this agreement. Client agrees that PCL is not responsible for disposal of client's hazardous materials. If client, its employees, agents, or representatives fail to comply with any of the terms of this agreement, including, but not limited to, the failure to properly dispose of hazardous materials, client agrees to indemnify, defend and hold harmless PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and any related expenses, including, but not limited to, attorneys' fees, expert witness fees and costs and investigation costs of any kind, whether for personal injury, death or property damage, or any other loss, damage or expense, arising out of or in connection with the performance of services by PCL pursuant to this agreement, 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 may otherwise have. If PCL retains attorneys to enforce the terms of this agreement, or defend any claim or action brought by client, which in whole or in part is the client's responsibility to defend, client shall pay all reasonable attorneys' fees, costs and expenses incurred by PCL in connection with the foregoing, including, without limitation, attorneys' fees, costs and expenses incurred in any bankruptcy proceeding, appeal or post-judgment proceeding, and all other expenses or costs incurred by client or any third party. Client shall not assign or delegate any of its rights or duties under this agreement without the prior written consent of PCL, and any purported assignment or delegation by client without such consent shall be void and unenforceable. Any assignment by PCL of its rights and duties under this agreement shall not relieve PCL of its duties and obligations under this agreement.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide PCL with known pertinent information regarding analytical methods, protocols, hazards, precautions and conditions of which client is aware, and which PCL may encounter in performing the services requested by client, including, but not limited to, information regarding any hazardous 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 enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Based upon such information and any documents made available by PCL from client or as 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 or prefer a 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 (bacteriological) by client will be charged a sample disposal fee. Test samples taken daily 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 the services were rendered or such prices quoted and taken confirmation 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. In order to establish credit with PCL, a credit application has been completed with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) days from date of invoice. To the fullest extent permitted by law, any amount unpaid to PCL and/or PCL invoice 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 in addition to any amounts owed, including 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 officer of PCL or any other authorized representative, unless 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 information or data, information or reports performed 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 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 intended, or shall be used to rely upon, in connection with or as part of the purchase, sale, underwriting or distribution of any securities, the portfolio or other securities to the extent that any such offering, amendment, renewal or extension of any loan from any financial institution or other lender or the solicitation of, contracting with, or loan to, or 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 or received or after hours or weekend 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, 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 (0-2 days) 48 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. 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

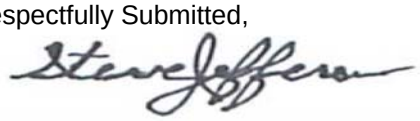
Attention: Ric Vardel
Report Date: 29-Mar-20 14:45
Subject: (MCC) Weekly INF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 20C0645-01) Collected: 17-Mar-20 By Carlos A. of IPC						
Biochemical Oxygen Demand	SM 5210B	AC01932	2	24-Mar-20 (SS)	114 mg/l	
Total Suspended Solids	SM2540D	AC02338	1	25-Mar-20 (RM)	190 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample
Sample I.D.#: 2000645

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/17/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 18 2020
By EB

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (GSO)	03/18/20	1145
Received by	EB	Cuarle	3/18/20	1145
Relinquished by	EB	Cuarle	3/18/20	1400
Received by				
Relinquished by				
Received in lab by	EB	Cuarle	3/18/20	1500

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: 06-Apr-20 21:21
Subject: (MCC) Daily EFF

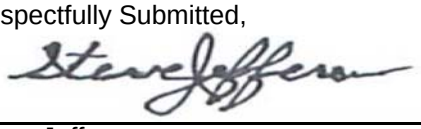
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0636-01) Collected: 18-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC01825	1.8	18-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01825	1.8	18-Mar-20	20-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC01837	0.1	18-Mar-20	18-Mar-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02012	0.05	19-Mar-20	19-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000636

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	03/18/20	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	03/18/20	1145
Received by	Eb Carle	JM	3/18/20	~~1145~~ 1200
Relinquished by	Eb Carle	JM	3/18/20	1400
Received by				
Relinquished by				
Received in lab by	Alex Wahnish	Alex Wahnish	3/18/20	1437

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 29-Mar-20 14:41
Subject: (MCC) Weekly EFF

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

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 20C0646-01) Collected: 18-Mar-20 By Carlos A. of IPC						
Ammonia as N	EPA 350.1	AC01931	0.10	19-Mar-20 (SS)	0.39 mg/l	
Biochemical Oxygen Demand	SM 5210B	AC01932	2	24-Mar-20 (SS)	3 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AC01934	0.10	20-Mar-20 (LA)	1.39 mg/l	
Total Nitrogen	[CALC]	[CALC]	0.140	20-Mar-20 (LA)	3.61 mg/l	
Total Suspended Solids	SM2540D	AC02338	1	25-Mar-20 (RM)	17 mg/l	
Nitrate as N	EPA 353.2	AC01933	0.02	19-Mar-20 (LA)	2.22 mg/l	
Nitrite as N	EPA 353.2	AC01933	0.02	19-Mar-20 (LA)	<0.02 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 3/29/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0646

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:** C. Dela	**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	03/18/20	1200	1	TSS	Grab	AQ	1L P	4°C	
	〃	〃	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	〃	〃	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	03/17/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 18 2020
By EG

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/18/20	1145
Received by	EG	Evarle PCI	3/18/20	1145
Relinquished by	EG	Evarle PCI	3/18/20	1400
Received by				
Relinquished by				
Received in lab by	EG	Evarle PCI	3/18/20	1500

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: 06-Apr-20 21:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0678-01) Collected: 19-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC01941	1.8	19-Mar-20	21-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC01941	1.8	19-Mar-20	21-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	19-Mar-20	19-Mar-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02012	0.05	20-Mar-20	20-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0678

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	03/19/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/21.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Apex)	03/19/20	11:40
Received by		Fernando Olmos (Patchem)	3/19/20	12:40
Relinquished by		Fernando Olmos (Patchem)	3/19/20	14:00
Received by				
Relinquished by				
Received in lab by		Alex Washington	3/19/20	1418

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: 06-Apr-20 21:25
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0733-01) Collected: 20-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02008	1.8	20-Mar-20	22-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02008	1.8	20-Mar-20	22-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	20-Mar-20	20-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02324	0.05	20-Mar-20	20-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0733

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	03/20/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.64/21.1C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 20 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Pat Chem)	03/20/20	12:10
Received by		Alejandro Olmos (Pat Chem)	3/20/20	12:10
Relinquished by		Alejandro Olmos (Pat Chem)	3/20/20	14:35
Received by				
Relinquished by				
Received in lab by		Alex Wan Jr	3/20/20	1443

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: 06-Apr-20 21:28
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0758-01) Collected: 21-Mar-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02104	1.8	21-Mar-20	23-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02104	1.8	21-Mar-20	23-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	21-Mar-20	21-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02324	0.05	21-Mar-20	21-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000758

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	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	3/21/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAR 21 2020
By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	3/21/20	1150
Received by		Alex Wallace JR	3/20/20	11:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Wallace JR	3/21/20	1501

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
~~Comp~~

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

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

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

Rev 2 Effective 5/1/17

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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: 06-Apr-20 21:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0779-01) Collected: 22-Mar-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02229	1.8	22-Mar-20	24-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02229	1.8	22-Mar-20	24-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02328	0.1	22-Mar-20	22-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02324	0.05	22-Mar-20	22-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000779

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	VICTOR ARAKELIAN
	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	3/22/20	09:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARAKELIAN (IPC)	3/22/20	09:45
Received by		Alex Walker Jr (PCL)	3/22/20	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/22/20	1516

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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-Apr-20 21:33
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0798-01) Collected: 23-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02336	1.8	23-Mar-20	25-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02336	1.8	23-Mar-20	25-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02522	0.1	23-Mar-20	23-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02432	0.05	24-Mar-20	24-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000798

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	03/23/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarado (PCL)	03/23/20	11:23
Received by	Juan Vasquez	Juan Vasquez (PCL)	3/23/20	11:23
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	3/23/20	14:20
Received by				
Relinquished by				
Received in lab by		Alex Wahn	3/23/20	1454

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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-Apr-20 21:35
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0824-01) Collected: 24-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02427	1.8	24-Mar-20	26-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02427	1.8	24-Mar-20	26-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02522	0.1	24-Mar-20	24-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02524	0.05	25-Mar-20	25-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000824

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/24/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50 / 18.2
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arvelo (IPC)	03/24/20	12:55
Received by	Alejandro Ochoa (Patchem)	3/24/20	12:55
Relinquished by	Alejandro Ochoa (Patchem)	3/24/20	14:00
Received by			
Relinquished by			
Received in lab by	Alex Washington	3/24/20	1406

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	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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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-Apr-20 18:14
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20C0858-01) Collected: 24-Mar-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AC02715	1	27-Mar-20	27-Mar-20	**150 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC02628	2	26-Mar-20	31-Mar-20	**251 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000858

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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
INF	03/24/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.43/16.3°C
			1	BOD	Comp	AQ	1L P	4°C	

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By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	03/25/20	12:05
Received by		Humphrey Jones (Patchem)	3/25/20	12:05
Relinquished by		Armando Jones (Patchem	3/25/20	13:55
Received by				
Relinquished by				
Received in lab by		Alex Valencia Jr	3/25/20	1529

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: 06-Apr-20 21:38
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0851-01) Collected: 25-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02521	1.8	25-Mar-20	27-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02521	1.8	25-Mar-20	27-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02632	0.1	25-Mar-20	25-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02633	0.05	26-Mar-20	26-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0851

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
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	03/25/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.48 / 21.9C
1	1	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	03/25/20	12:05
Received by		Alejandro Ochoa (Patchem)	3/25/20	12:05
Relinquished by		Alejandro Ochoa (Patchem)	3/25/20	13:55
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	3/25/20	1459

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 06-Apr-20 18:11
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0857-01) Collected: 25-Mar-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AC02715	1	27-Mar-20	27-Mar-20	**10 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC03024	0.10	30-Mar-20	30-Mar-20	**0.31 mg/l**	
Nitrate as N	EPA 353.2	AC02630	0.02	26-Mar-20	26-Mar-20	**3.10 mg/l**	
Nitrite as N	EPA 353.2	AC02630	0.02	26-Mar-20	26-Mar-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC02629	0.10	26-Mar-20	27-Mar-20	**0.90 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	26-Mar-20	27-Mar-20	**4.00 mg/l**	
EFF (Sample I.D.# : 20C0857-02) Collected: 24-Mar-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC02628	2	26-Mar-20	31-Mar-20	**5 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000857

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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	03/25/20	1150	1	TSS	Grab	AQ	1L P	4°C	7.57/22.1°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	03/24/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	03/25/20	12:05
Received by		[illegible]	3/25/20	12:05
Relinquished by		[illegible]	3/25/20	12:55
Received by				
Relinquished by				
Received in lab by		Alexander Jr	3/25/20	1528

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: 06-Apr-20 21:40
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0885-01) Collected: 26-Mar-20 By Golan Kfir							
Microbiological							
Fecal Coliforms	SM 9221E	AC02631	1.8	26-Mar-20	28-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02631	1.8	26-Mar-20	28-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02712	0.1	26-Mar-20	26-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02714	0.05	27-Mar-20	27-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000885

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/26/20	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/26/20	12:00
Received by:	Jairo Menjivar	3/26/20	12:40
Relinquished by:	Jairo Menjivar	3/26/20	14:40
Received by:			
Relinquished by:			
Received in lab by:			1453

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: 06-Apr-20 21:42
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0904-01) Collected: 27-Mar-20 By JL							
Microbiological							
Fecal Coliforms	SM 9221E	AC02711	1.8	27-Mar-20	29-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02711	1.8	27-Mar-20	29-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02805	0.1	27-Mar-20	27-Mar-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02806	0.05	28-Mar-20	28-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/6/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000904

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03-27-20	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.72 / 17.6°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	3-27-20	12:50
Received by	Armando Ochoa (IPC)	3/27/20	12:50
Relinquished by	Armando Ochoa (IPC)	3/27/20	14:15
Received by			
Relinquished by			
Received in lab by	MAR 27 2020		1423

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: 12-Apr-20 16:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0907-01) Collected: 28-Mar-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02804	1.8	28-Mar-20	30-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02804	1.8	28-Mar-20	30-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC02809	0.1	28-Mar-20	28-Mar-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC02810	0.05	28-Mar-20	28-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0907

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/28/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 28 2020
By Evals

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	3/28/20	10:05
Received by	Jose L Gomez	3/28/20	1005
Relinquished by	Josel Gomez	3/28/20	1057
Received by			
Relinquished by			
Received in lab by		3/28/20	1100

Sample Received Checklist

Temperature upon receipt: _____

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
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 **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: 12-Apr-20 16:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0912-01) Collected: 29-Mar-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AC02927	1.8	29-Mar-20	31-Mar-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC02927	1.8	29-Mar-20	31-Mar-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00131	0.1	29-Mar-20	29-Mar-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC03031	0.05	30-Mar-20	30-Mar-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0912

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
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	3/29/20	09:27	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 29 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	3/29/20	09:27
Received by	Alex Walker Jr	Alex Walker Jr	3/29/20	1300
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Alex Walker Jr	Alex Walker Jr	3/29/20	1430

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 12-Apr-20 16:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0933-01) Collected: 30-Mar-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AC03027	1.8	30-Mar-20	01-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC03027	1.8	30-Mar-20	01-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00131	0.1	30-Mar-20	30-Mar-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC03136	0.05	31-Mar-20	31-Mar-20	**0.42 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2000933

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	03/30/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.80 / 22.8C
1	1		1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/30/20	12:30
Received by		Ramiro Ochoa (Patchem)	3/30/20	12:30
Relinquished by		Ramiro Ochoa (Patchem)	3/30/20	14:15
Received by				
Relinquished by				
Received in lab by		MAR 30 2020		

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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: 12-Apr-20 16:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20C0952-01) Collected: 31-Mar-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC03129	1.8	31-Mar-20	02-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC03129	1.8	31-Mar-20	02-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00131	0.1	31-Mar-20	31-Mar-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00133	0.05	01-Apr-20	01-Apr-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20C0952

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	03/31/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 31 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (SCE)	03/31/20	11:20
Received by		Jaird Menjivar	3/31/20	1:40PM
Relinquished by		Jaird Menjivar	3/31/20	3:15PM
Received by				
Relinquished by				
Received in lab by		MAR 31 2020		1612

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type	Preservations
Grab	AQ - Water	P - Plastic	HC - HCl
Comp	SO - Soil / Sludge	G - Amber Glass	HS - H_2SO_4
	OT - Other	VOA - 40 ml Vial	HN - HNO_3
		Coli - bacteria	HP - H_3PO_4
			OH - NaOH
			ST - Sodium Thiosulfate
			AA - Ascorbic Acid
			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 additional agreements 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 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 below) only under the following General Terms and Conditions (the "Terms"). These Terms shall 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 conditions and, if 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 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), CA Water Board (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 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 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 at and about the sampling site and for assuring 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 supplied by client or on client's account and the results obtained by PCL shall be kept in confidence unless authorization is given by, or publication is the result of the written direction of client. Failed to pay PCL for all services rendered or as otherwise in case of the agreement failed for any disclosure responsibility for unauthorized disclosure, the client shall be liable for all damages, costs and expenses of PCL, including but not limited to attorney's fees, incurred by PCL in connection with any action, proceeding or dispute brought against PCL by any third party as a result of, and/or in any way relating to, the unauthorized disclosure of such data, results or information. Client agrees to indemnify and hold harmless PCL, its employees, officers, directors, agents, affiliates and parent companies from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorneys' fees, court costs and expert witness fees, arising out of or in connection with any third party as a result of, and/or in any way relating to, the unauthorized disclosure of such data, results or information. Client agrees to indemnify and hold harmless PCL, its employees, officers, directors, agents, affiliates and parent companies from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorneys' fees, court costs and expert witness fees, arising out of or in connection with any third party as a result of, and/or in any way relating to, the unauthorized disclosure of such data, results or information.

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, damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorneys' fees, court costs and expert witness fees, arising out of or in connection with any third party as a result of, and/or in any way relating to, the unauthorized disclosure of such data, results or information. Client agrees to indemnify and hold harmless PCL, its employees, officers, directors, agents, affiliates and parent companies from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorneys' fees, court costs and expert witness fees, arising out of or in connection with any third party as a result of, and/or in any way relating to, the unauthorized disclosure of such data, results or information.

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, pcb's, chemicals, petroleum, soil or other hazardous substances, materials or substances (collectively, "Hazardous Substances"). Client shall comply with all applicable federal, state or local laws, rules, regulations, ordinances and permits now existing or hereafter enacted or promulgated by any federal or administrative interpretation of any thereof (the "Hazardous Materials Laws"). 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 or perform a 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. Additionally, all samples received by PCL for any lab-based 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 submission of the date the services were rendered or with billing quotes and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or with invoice is required for all services, unless client has been established with PCL as a credit client with an established credit account, that is liable for payment of charges are NET thirty within thirty (30) days from date of invoices. To the fullest extent permitted by law, all by applicable law, any amount owing to 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 promptly are collected through legal action or by an attorney, the client shall pay reasonable costs and attorney's fees in addition to any amounts owing to PCL.

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 invoice letter, verbal, email, 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 becoming contract not partner 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 understood 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 syndication 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 application 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 missed or passed because of samples that are delivered or received after 2pm or weekends without prior notification and acceptance. Standard holding times and storage conditions should be reviewed in order 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 36 hours to allow PCL to meet holding times (weekends spanning a rush turnaround). All short holding times, 1-7 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 24 hours or less should be heard 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. Per-an-request long term storage is subject to an additional charge. Samples will be disposed of at the end of the predetermined 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: 12-Apr-20 17:01
Subject: (MCC) Weekly INF

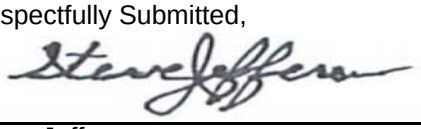
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20D0030-01) Collected: 31-Mar-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD00227	1	02-Apr-20	02-Apr-20	**149 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD00232	2	02-Apr-20	07-Apr-20	**164 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20D0030

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/31/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.17 / 17.9°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/01/20	12:20
Received by		ACUMTEX OCM WATER	4/1/20	11:20
Relinquished by		ACUMTEX OCM WATER	4/1/20	14:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/1/20	1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
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: 12-Apr-20 16:33
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0017-01) Collected: 01-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00130	1.8	01-Apr-20	03-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00130	1.8	01-Apr-20	03-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00229	0.1	01-Apr-20	01-Apr-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00144	0.05	01-Apr-20	01-Apr-20	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2020017

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	
	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	04/01/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.23/17.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/01/20	17:30
Received by		ALMAVIVA OCEANS (PARS)	4/1/20	17:30
Relinquished by		ALMAVIVA OCEANS (PARS)	4/1/20	14:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	4/1/20	1420

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: 12-Apr-20 16:57
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0034-01) Collected: 01-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD00227	1	02-Apr-20	02-Apr-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD00310	0.10	03-Apr-20	03-Apr-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AD00136	0.02	01-Apr-20	01-Apr-20	**0.28 mg/l**	
Nitrite as N	EPA 353.2	AD00136	0.02	01-Apr-20	01-Apr-20	**0.03 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD00635	0.10	06-Apr-20	07-Apr-20	**0.67 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	06-Apr-20	07-Apr-20	**0.979 mg/l**	
EFF (Sample I.D.# : 20D0034-02) Collected: 31-Mar-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD00232	2	02-Apr-20	07-Apr-20	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 4/12/2020
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 20D0034

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
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	04/01/20	1130	1	TSS	Grab	AQ	1L P	4°C	7.26 / 17.9°C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	03/31/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/01/20	12:30
Received by		Armando Olmos (Pat-Chem)	4/1/20	12:30
Relinquished by		Armando Olmos (Pat-Chem)	4/1/20	14:20
Received by				
Relinquished by				
Received in lab by		MARIO SANTESTEBAN (PCL)	4/2/20	1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:37
Subject: (MCC) Daily EFF

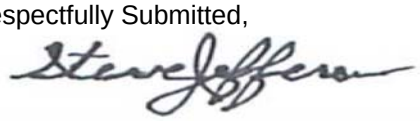
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0051-01) Collected: 02-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00228	1.8	02-Apr-20	04-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00228	1.8	02-Apr-20	04-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00315	0.1	02-Apr-20	02-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00316	0.05	03-Apr-20	03-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0051

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	C. Alvarez
	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	04/02/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7 / 22.6 °C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	04/02/20	1107
Received by		Cindy Marrone	4/2/20	1107
Relinquished by		Cindy Marrone	4/2/20	1245
Received by				
Relinquished by				
Received by		APR 02 2020		

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.

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 additional 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 updated 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 does not sell any of its services to the Client except pursuant to these 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 promise 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 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 results of services provided by PCL shall be held in confidence unless such information is previously available to the public or to the public domain or otherwise filed by you PCL for which such information is not considered a breach of the agreement subject to any disclosure required by law or court process. PCL shall also have the right to use data in aggregate or statistical form for quality control, data analysis or for responsible operation and maintenance of its plants where such data is deemed useful to PCL reports are confidential, including their use, reproduction and benefit of client and no agreement shall be published partly herein or other company, right or for revenue. Client will not disclose to any third party, consequential damages, technical information, know-how, processes or other trade secrets.

10. Hold Harmless

Client agrees to indemnify, defend and hold PCL, its employees, officers, directors, parent, affiliates, subsidiaries and owners harmless from any and all claims, actions, suits and proceedings, demands, causes of action, liability and expenses, including, without limitation, reasonable attorneys' fees and litigation expenses, and costs arising from or in connection with any third party as a result of, relating to or arising out of Client's breach of this agreement, Client's negligence or willful misconduct in the performance of its obligations under this agreement, Client's handling or disposal of any Hazardous Materials, Client's failure to comply with any applicable law, regulation or ordinance, or any misstatement or misrepresentation by Client. Client agrees to indemnify, defend and hold harmless PCL and its employees, officers, directors, parent, affiliates, subsidiaries and owners from and against

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:40
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0088-01) Collected: 03-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00313	1.8	03-Apr-20	05-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00313	1.8	03-Apr-20	05-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00405	0.1	03-Apr-20	03-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00407	0.05	04-Apr-20	04-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000088

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/03/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 03 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	4/3/20	1155
Received by		Jairo Mendivar	4/3/20	12:28PM
Relinquished by		Jairo Mendivar	4/3/20	2:00PM
Received by				
Relinquished by				
Received in Lab by		APR 03 2020		

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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 addendums or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or servicing services and his/or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, or such document may be amended or revised from time to time by PCL.

2. **Independent Contractor**

PCL acts solely as an independent contractor in performing services.

3. **Orders and Acceptance**

PCL offers and will accept Client's order for services (as defined below) only under the following Service 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 order (a "Order") 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 PCL's agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or requesting PCL's 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 be a part of the contract created upon acceptance of the terms and conditions.

For purposes of the agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of and accepted in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboards (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 and/or was based on the reasonable judgment of PCL. Deviations, if any, will be made in a manner consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC program. 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 conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the dates 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 PCL's review 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 or on behalf of Client's request and the results of analysis thereof shall be held in confidence by PCL and shall not be disclosed or furnished to any person other than Client or Client's authorized representatives except as required by law or pursuant to the written consent of Client. Client hereby grants to PCL the right to use Client's name in PCL's customer lists and for marketing purposes. Client agrees that PCL may use Client's name and the fact that Client has engaged PCL to perform services hereunder in PCL's marketing literature and other communications. Client agrees that PCL may not be liable for any loss or damage caused by the disclosure of Client data or other confidential information to any third party, including Client's employees, agents, subcontractors or other representatives.

10. **Hold Harmless**

Client agrees to indemnify, defend and hold harmless PCL and its subsidiaries, affiliates, officers, directors, agents, successors and assigns from and against any and all liabilities, losses or damages, claims, demands, suits, actions or proceedings, and costs or expenses of any kind (including reasonable attorneys' fees and litigation costs) to any person or entity, including Client's employees, agents, subcontractors or other representatives, arising out of or relating to the performance of services by PCL pursuant to this agreement, except to the extent caused by the gross negligence or willful misconduct of PCL. In addition, Client agrees to indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities and expenses (including reasonable attorneys' fees and litigation costs) arising out of or relating to any breach of this agreement by Client or any of Client's employees, agents, subcontractors or other representatives, except to the extent caused by the gross negligence or willful misconduct of PCL. In addition, Client agrees to indemnify, defend and hold harmless PCL from and against any and all claims, losses, damages, liabilities and expenses (including reasonable attorneys' fees and litigation costs) arising out of or relating to any claim that any materials, information, instructions or samples provided by Client to PCL for analysis or testing hereunder, or the use thereof by PCL, infringes or misappropriates any patent, copyright, trademark, trade secret or other proprietary right of any third party. Client agrees that PCL may use Client's name and the fact that Client has engaged PCL to perform services hereunder in PCL's marketing literature and other communications. Client agrees that PCL may not be liable for any loss or damage caused by the disclosure of Client data or other confidential information to any third party, including Client's employees, agents, subcontractors or other representatives, except as required by law or pursuant to the written consent of Client

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:53
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0090-01) Collected: 03-Apr-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AD00842	5	08-Apr-20	09-Apr-20	**1264 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AD00633	1.0	06-Apr-20	07-Apr-20	**299 mg/l**	
Sulfate as SO4	EPA 300.0	AD00633	0.5	06-Apr-20	07-Apr-20	**345 mg/l**	
Boron	EPA 200.7	AD00631	0.10	06-Apr-20	07-Apr-20	**0.47 mg/l**	
Phosphorus, Total as P	EPA 365.3	AD00634	0.20	06-Apr-20	06-Apr-20	**5.73 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AD00411	0.20	04-Apr-20	04-Apr-20	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AD00838	5	08-Apr-20	10-Apr-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000090

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/03/20	11:15	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

RECEIVED
APR 03 2020
By

Geotracker EDD:
Logcode: IPCI -
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	04/03/20	11:05
Received by		Jairo Mendivar	4/3/20	12:20
Relinquished by		Jairo Mendivar	4/3/20	2:00
Received by				
Relinquished by				
Received by		APR 03 2020		1417

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 hereon) 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), 1A Waterboard (EAP), 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 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 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 when such disclosure was required. PCL reports and information provided thereunder are for the exclusive use and benefit of client and no other third party shall be entitled to rely thereon or use any reports, data or information. Client will not disclose to any third party with whom client is in privity technical information, software programs or other proprietary data.

10. Hold Harmless

Client agrees to hold PCL harmless, defend and indemnify PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, attorneys' fees) in any third party or client action or proceeding 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. waste, disease or death of persons 2. loss or damage to real or personal property and/or 3. the generation of many kinds of liabilities. This indemnification does not apply to any of the foregoing losses, costs, expenses or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further this indemnity does not specifically apply to losses, claims (including attorneys fees) and/or liabilities arising out of the negligence of the client or client's agents in connection with the negligence of any breach of contract by any indemnified person, whether actual or alleged, in 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 not be supplanted by insurance liability and client agrees to be identified as client, which insurance shall have the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, exemplary or consequential damages including without limitation, loss of profits or business interruption of any type. Expenses to client fees (including, without limitation, attorney's fees, court costs, and/or any post judgment interest), or any other expenses incurred by client or any other party, in any legal action against or involving PCL or any indemnified persons 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 PCL with relative samples materials for analysis such as asbestos, pesticide treated materials, 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 previously cited 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

Clients shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of submissions on the date the service were rendered or with prices quoted and sales confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of when analysis is completed is required for all new clients or until a history of payment and/or credit has been established with PCL. In-house 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 balances. If unpaid accounts are collected by an legal representative or by an attorney, the client will pay reasonable costs and attorney's fees in courts' fees' association 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 providing 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 by client 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 of 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 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, 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 (saturday is 0 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: 12-Apr-20 16:43
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0100-01) Collected: 04-Apr-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00404	1.8	04-Apr-20	06-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00404	1.8	04-Apr-20	06-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00834	0.1	04-Apr-20	04-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00529	0.05	05-Apr-20	05-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0100

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mario Aguirre Report Attention: Ric Vardell / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/4/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
APR 04 2020
By JC

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	4/4/20	12:00
Received by	Alex Walkup Jr	4/4/20	12:00
Relinquished by	Alex Walkup Jr	4/4/20	13:10
Received by			
Relinquished by			
Received in lab by	Jordan C.	4/4/20	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	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 thereto 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.

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The Client may order services by submitting a written order of samples 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 conditions and Client agreement to be bound by these terms and conditions.

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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**

[illegible]

10. **Hold Harmless**

[illegible]

11. **Hazardous Substances**

[illegible]

12. **Prices/Payments**

[illegible]

13. **Agreement Modification**

[illegible]

14. **No Third Party Beneficiaries: No Right of Reliance**

[illegible]

15. **Rush Analysis**

[illegible]

16. **Holding Times**

[illegible]

17. **Sample Retention**

[illegible]

18. **Sample Pick Up/Field Tech Sampling**

[illegible]

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Apr-20 16:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0104-01) Collected: 05-Apr-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00528	1.8	05-Apr-20	07-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00528	1.8	05-Apr-20	07-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00834	0.1	05-Apr-20	05-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00723	0.05	07-Apr-20	07-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0104

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9257 Research Drive Irvine CA 92618		**Sampled by:** VICTOR AZIKIAN	**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	4/5/20	09:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR AZIKIAN (IPC)	4/5/20	09:47
Received by	RM PCL	4/5/20	1350
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	4/5/20	1602

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: 12-Apr-20 16:49
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0124-01) Collected: 06-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00632	1.8	06-Apr-20	08-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00632	1.8	06-Apr-20	08-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00834	0.1	06-Apr-20	06-Apr-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00723	0.05	07-Apr-20	07-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0124

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	04/06/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.58 / 22.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 06 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Lab)	04/06/20	17:10
Received by		Hernando Ortiz (Lab)	4/6/20	12:10
Relinquished by		Hernando Ortiz (Lab)	4/6/20	14:05
Received by				
Relinquished by				
Received in lab by		APR 06 2020		1419

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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 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 delivery thereof) 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 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 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 assuring 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, intellectual property and materials provided by client or its customers and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or the prior consent is obtained from client to do so. PCL, for all services rendered, shall not disclose or publish the name of client or its customers or the results of any analysis or testing without the prior written consent of client, except as required by law or court order. PCL reports and information prepared thereunder are for the exclusive use and benefit of client and PCL agrees that it will not use such reports or information for any purpose other than those specifically authorized by client. Client will not disclose any test, company, client or product name without the prior written consent of PCL.

10. Hold Harmless

Client releases and discharges 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, costs and expenses, including, but not limited to, attorneys' fees and costs of suit, of every kind and nature whatsoever, 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 to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Delay, cancellation or death of personnel. Loss of damages, loss of, or failure of use of, equipment. 2. Financial loss of any kind whatsoever. This indemnity does not apply to any of the foregoing if any, claim, demand, or expense, cause of action arises directly or wholly as a result of the sole negligence of PCL or its employees. Further, this indemnity shall specifically apply to any claims, damages, and/or expenses arising out of or in connection with the negligence of any of client's contractors, subcontractors, agents, employees or representatives, whether active or alleged, in the performance of services under this agreement. The foregoing indemnity shall not apply to any liability, including, but not limited to, attorneys' fees, costs and expenses, imposed on PCL and the client solely because of the client's failure to comply with applicable law. Client agrees that its indemnification will be supported by and limited to any insurance coverage in its favor, including, without limitation, that of its contractor, to the maximum amount permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, consequential damages including, without limitation, loss of profit or business interruption or lost expenses in other words, without limitation, for instance, attorney's fees, court costs, or any claims paid to others by client or any other party, and regardless of whether PCL or any subcontractor or person in connection with this agreement or services provided under this agreement was advised of such possibility.

11. Hazardous Substances

In PCL's or client's reasonable judgment, client shall provide any PCL will receive samples exposed to hazardous substances, including, without limitation, toxic or infectious bacteria or any other hazardous or environmental wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations, in which case any testing or laboratory analysis performed by any judicial or administrative body (collectively, the "Hazardous Substances"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request or with or on 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 provide 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 execution of 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 of when analysis is completed is required for all new clients or unless proper 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 invoice. To the fullest extent permitted by all applicable laws, any amount unpaid is interest of thirty (30) days in respect 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 accounts are collected through legal proceedings by an attorney, the client shall pay reasonable costs and attorney's fees or "fees" fees associated with such collection efforts and/or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms of will be effective only if 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 ordering 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 represented, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any product, or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other holder of the or life store 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 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 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 24 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 (immediate 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 which or has been completed. Sample storage for longer periods on 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-Apr-20 22:43
Subject: (MCC) Daily EFF

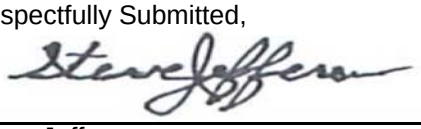
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0156-01) Collected: 07-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00727	1.8	07-Apr-20	09-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00727	1.8	07-Apr-20	09-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00834	0.1	07-Apr-20	07-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00835	0.05	08-Apr-20	08-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0156

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	04/07/20	1135	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7 / 21.0 °C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 07 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	04/07/20	11:40
Received by		Cindy Mayorga	4/7/20	11:40
Relinquished by		Cindy Mayorga (by FedEx)	04/7/20	2:40
Received by				
Relinquished by				
Received in lab by		APR 07 2020		

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-20 13:17
Subject: (MCC) Weekly INF

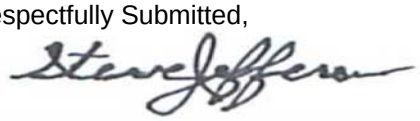
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20D0214-01) Collected: 07-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD00939	1	09-Apr-20	09-Apr-20	**130 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD00942	2	09-Apr-20	14-Apr-20	**201 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0214

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/07/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
APR 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	04/08/20	1:00 pm
Received by		Jairo Mendivar	4/8/20	1:00PM
Relinquished by		Jairo Mendivar	4/8/20	15:00PM
Received by				
Relinquished by				
Received by (Lab)		APR 08 2020		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

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-Apr-20 22:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0210-01) Collected: 08-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00833	1.8	08-Apr-20	10-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00833	1.8	08-Apr-20	10-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD00937	0.1	08-Apr-20	08-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD00938	0.05	09-Apr-20	09-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0210

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	04/08/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	04/08/20	1:00pm
Received by		Jairo Meñivar	4-8-20	1:00PM
Relinquished by		Jairo Meñivar	4-8-20	15:00PM
Received by				
Relinquished by				
Received by		APR 08 2020		1500

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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-Apr-20 13:11
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0215-01) Collected: 08-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD00939	1	09-Apr-20	09-Apr-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD01015	0.10	10-Apr-20	10-Apr-20	**0.22 mg/l**	
Nitrate as N	EPA 353.2	AD00934	0.02	09-Apr-20	09-Apr-20	**1.88 mg/l**	
Nitrite as N	EPA 353.2	AD00934	0.02	09-Apr-20	09-Apr-20	**0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD01341	0.10	13-Apr-20	14-Apr-20	**0.51 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	13-Apr-20	14-Apr-20	**2.41 mg/l**	
EFF (Sample I.D.# : 20D0215-02) Collected: 07-Apr-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD00942	2	09-Apr-20	14-Apr-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0215

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
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	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/08/20	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	04/07/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
APR 08 2020
By [illegible]

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[illegible]	Carlos Alvarez (IPC)	04/08/20	11:30
Received by	[illegible]	Jairo Menjivar	4/8/20	1:00PM
Relinquished by	[illegible]	Jairo Menjivar	4/8/20	15:00PM
Received by				
Relinquished by				
Received by	[illegible]	APR 08 2020		15:00

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-Apr-20 22:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0254-01) Collected: 09-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD00936	1.8	09-Apr-20	11-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD00936	1.8	09-Apr-20	11-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01017	0.1	09-Apr-20	09-Apr-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01020	0.05	10-Apr-20	10-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000254

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C. A.	**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	04/09/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.05/8.6
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 09 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/09/20	11:15
Received by		Alejandro Arias (DHL)	4/9/20	12:15
Relinquished by		Alejandro Arias (DHL)	4/9/20	15:00
Received by				
Relinquished by				
Received by		APR 09 2020		1500

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-Apr-20 22:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0315-01) Collected: 10-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01016	1.8	10-Apr-20	12-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01016	1.8	10-Apr-20	12-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01107	0.1	10-Apr-20	10-Apr-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01106	0.05	11-Apr-20	11-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0315

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/10/20	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arvizu (Lab)	04/10/20	1225
Received by			4.10.20	1225
Relinquished by			4/10/20	1330
Received by				
Relinquished by				
Received by		APR 10 2020		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
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-Apr-20 22:53
Subject: (MCC) Daily EFF

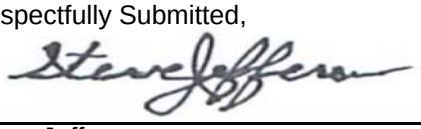
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0343-01) Collected: 11-Apr-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01105	1.8	11-Apr-20	13-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01105	1.8	11-Apr-20	13-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01111	0.1	11-Apr-20	11-Apr-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01112	0.05	11-Apr-20	11-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2008343

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Mario Aguirre Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/11/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	4/11/20	~~1000~~ M.A.
Received by		Alex Walker Jr (PCL)	4/11/20	1000
Relinquished by		Alex Walker Jr	4/11/20	12:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	4/11/20	1230

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: 30-Apr-20 22:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0352-01) Collected: 12-Apr-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01230	1.8	12-Apr-20	14-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01230	1.8	12-Apr-20	14-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01535	0.1	12-Apr-20	12-Apr-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01342	0.05	13-Apr-20	13-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0352

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	4/12/20	09:51	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	4/12/20	1425							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	4/12/20	09:51
Received by		RM PCL	4/12/20	1425
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	4/12/20	1616

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-20 22:58
Subject: (MCC) Daily EFF

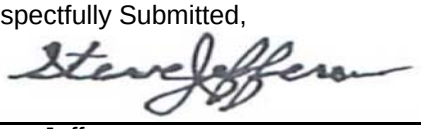
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0371-01) Collected: 13-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01340	1.8	13-Apr-20	15-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01340	1.8	13-Apr-20	15-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01535	0.1	13-Apr-20	13-Apr-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01342	0.05	13-Apr-20	13-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000371

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	04/13/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.91 / 20.1C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 13 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	04/13/20	12:30
Received by		Fernando Cruz (Pat-Lab)	4/13/20	12:30
Relinquished by		Fernando Cruz (Pat-Lab)	4/13/20	15:00
Received by				
Relinquished by				
Received by		APR 13 2020		1500

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: 06-Jul-20 17:23
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0374-01) Collected: 13-Apr-20 By CA							
Physical Properties							
Total Alkalinity	SM 2320B	AD01641	1	16-Apr-20	16-Apr-20	**210 mg/l**	
Carbonate Alkalinity	SM 2320B	AD01641	1	16-Apr-20	16-Apr-20	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AD01641	1	16-Apr-20	16-Apr-20	**210 mg/l**	
Hydroxide Alkalinity	SM 2320B	AD01641	1	16-Apr-20	16-Apr-20	**<1 mg/l**	
Color	SM 2120 C	AD01427	5.0	14-Apr-20	14-Apr-20	**21.2 CU**	
Specific Conductance (EC)	SM 2510B	AD01549	0.1	15-Apr-20	16-Apr-20	**2060 uS/cm**	
Odor	SM 2150B	AD01536	1	15-Apr-20	15-Apr-20	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**<0.2 ug/l**	
Aluminum	EPA 200.8	AD01423	5.0	14-Apr-20	15-Apr-20	**23 ug/l**	
Fluoride	EPA 300.0	AD01344	0.10	14-Apr-20	15-Apr-20	**1.02 mg/l**	
Arsenic	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**2.2 ug/l**	
Barium	EPA 200.8	AD01423	0.5	14-Apr-20	15-Apr-20	**12 ug/l**	
Beryllium	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**<0.2 ug/l**	
Calcium	EPA 200.7	AD01422	0.05	14-Apr-20	20-Apr-20	**97.1 mg/l**	
Cadmium	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**2.5 ug/l**	
Copper	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**2.3 ug/l**	
Cyanide (total)	SM 4500-CN-E	AD01634	0.0050	16-Apr-20	20-Apr-20	**<0.0050 mg/l**	
Iron	EPA 200.7	AD01422	0.02	14-Apr-20	16-Apr-20	**<0.02 mg/l**	
Mercury	EPA 245.1	AD01525	0.20	16-Apr-20	16-Apr-20	**<0.20 ug/l**	
Manganese	EPA 200.8	AD01423	0.5	14-Apr-20	15-Apr-20	**0.7 ug/l**	
Nickel	EPA 200.8	AD01423	0.5	14-Apr-20	15-Apr-20	**3.5 ug/l**	
Lead	EPA 200.8	AD01423	0.2	14-Apr-20	15-Apr-20	**<0.2 ug/l**	
pH	SM 4500H-B	AD01535	0.1	13-Apr-20	13-Apr-20	**7.8 pH Units**	A-01
Antimony	EPA 200.8	AD01423	1.0	14-Apr-20	15-Apr-20	**<1.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 7/6/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jul-20 17:23
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0374-01) Collected: 13-Apr-20 By CA							
Inorganic Constituents							
Selenium	EPA 200.8	AD01423	2.0	14-Apr-20	15-Apr-20	**8.5 ug/l**	
Thallium	EPA 200.8	AD01423	1.0	14-Apr-20	15-Apr-20	**<1.0 ug/l**	
Uranium	EPA 200.8	AD01423	0.7	14-Apr-20	15-Apr-20	**7.2 pCi/L**	
Zinc	EPA 200.8	AD01423	1.0	14-Apr-20	15-Apr-20	**8.8 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AD01428	0.20	14-Apr-20	14-Apr-20	**<0.20 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Styrene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Tetrachloroethylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	

Respectfully Submitted,

Steve Jefferson 7/6/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jul-20 17:23
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0374-01) Collected: 13-Apr-20 By CA							
Volatile Organic Chemicals (VOCs)							
Toluene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**17.5 ug/l**	
Bromoform	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**7.1 ug/l**	
Chloroform	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**6.8 ug/l**	
Dibromochloromethane	EPA 524.2	AD02728	0.5	27-Apr-20	27-Apr-20	**20.3 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AD02728		27-Apr-20	27-Apr-20	*95.3 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AD02728		27-Apr-20	27-Apr-20	*109 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AD02728		27-Apr-20	27-Apr-20	*103 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AD02727	10.0	27-Apr-20	30-Apr-20	**219 ug/l**	
Dichloroacetic Acid	EPA 552.2	AD02727	1.0	27-Apr-20	29-Apr-20	**7.9 ug/l**	
Trichloroacetic Acid	EPA 552.2	AD02727	1.0	27-Apr-20	29-Apr-20	**2.5 ug/l**	
Monobromoacetic Acid	EPA 552.2	AD02727	1.0	27-Apr-20	29-Apr-20	**4.3 ug/l**	
Dibromoacetic Acid	EPA 552.2	AD02727	1.0	27-Apr-20	29-Apr-20	**14.1 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AD02727		27-Apr-20	29-Apr-20	*121 % (60-140)*	
Bromate	EPA 300.0	AD02238	5.0	22-Apr-20	22-Apr-20	**<5.0 ug/l**	
Chlorite	EPA 300.0	AD02238	20.0	22-Apr-20	22-Apr-20	**<20.0 ug/l**	
Haloacetic Acids (HAA5)	[CALC]	[CALC]	14.0	27-Apr-20	30-Apr-20	**247 ug/l**	

Respectfully Submitted,



Steve Jefferson 7/6/2020
Laboratory Director

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: 06-Jul-20 17:23
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0374-01) Collected: 13-Apr-20 By CA							
Disinfection Byproducts							
Total Trihalomethanes	[CALC]	[CALC]	2.00	27-Apr-20	27-Apr-20	**51.7 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AD02719	0.01	27-Apr-20	27-Apr-20	**<0.01 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AD02719	0.02	27-Apr-20	27-Apr-20	**<0.02 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AD01529	2.0	15-Apr-20	21-Apr-20	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AD01529	2.0	15-Apr-20	21-Apr-20	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AD01529		15-Apr-20	21-Apr-20	*84.0 % (50-120)*	
Alachlor	EPA 507	AD01708	0.2	17-Apr-20	25-Apr-20	**<0.2 ug/l**	
Atrazine	EPA 507	AD01708	0.2	17-Apr-20	25-Apr-20	**<0.2 ug/l**	
Molinate	EPA 507	AD01708	0.2	17-Apr-20	25-Apr-20	**<0.2 ug/l**	
Simazine	EPA 507	AD01708	0.2	17-Apr-20	25-Apr-20	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AD01708	0.2	17-Apr-20	25-Apr-20	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AD01708		17-Apr-20	25-Apr-20	*75.8 % (40-120)*	
Chlordane	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Endrin	EPA 508	AD01709	0.01	17-Apr-20	12-May-20	**<0.01 ug/l**	
Heptachlor	EPA 508	AD01709	0.01	17-Apr-20	12-May-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AD01709	0.01	17-Apr-20	12-May-20	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AD01709	0.01	17-Apr-20	12-May-20	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AD01709	0.01	17-Apr-20	12-May-20	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AD01709	0.01	17-Apr-20	12-May-20	**<0.01 ug/l**	
Methoxychlor	EPA 508	AD01709	0.05	17-Apr-20	12-May-20	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	

Respectfully Submitted,



Steve Jefferson 7/6/2020
Laboratory Director

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Attention: Ric Vardel
Report Date: 06-Jul-20 17:23
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0374-01) Collected: 13-Apr-20 By CA							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1254 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Total PCBs	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Toxaphene	EPA 508	AD01709	0.1	17-Apr-20	12-May-20	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AD01709		17-Apr-20	12-May-20	*65.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AD01709		17-Apr-20	12-May-20	*49.0 % (50-120)*	
Bentazon	EPA 515.1	AD02122	0.2	21-Apr-20	14-May-20	**<0.2 ug/l**	
2,4-D	EPA 515.1	AD02122	0.2	21-Apr-20	14-May-20	**<0.2 ug/l**	
Dalapon	EPA 515.1	AD02122	2.0	21-Apr-20	14-May-20	**<2.0 ug/l**	
Dinoseb	EPA 515.1	AD02122	0.2	21-Apr-20	14-May-20	**<0.2 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AD02122	0.2	21-Apr-20	14-May-20	**<0.2 ug/l**	
Picloram	EPA 515.1	AD02122	0.2	21-Apr-20	14-May-20	**<0.2 ug/l**	
2,4,5-TP	EPA 515.1	AD02122	0.2	21-Apr-20	14-May-20	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AD02122		21-Apr-20	14-May-20	*62.2 % (60-140)*	
Benzo (a) pyrene	EPA 550	AD01530	0.05	15-Apr-20	11-May-20	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AD01530		15-Apr-20	11-May-20	*76.3 % (45-120)*	
Carbofuran	EPA 632	AD01421	1.0	14-Apr-20	15-May-20	**<1.0 ug/l**	
Oxamyl	EPA 632	AD01421	2.0	14-Apr-20	15-May-20	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 632	AD01421		14-Apr-20	15-May-20	*137 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 7/6/2020
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jul-20 17:23
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Notes and Definitions

A-01 Langelier Index = -0.04 (Non-Corrosive)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/6/2020
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

April 28, 2020 Ceres ID: 13494

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on April 22, 2020. 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 # 20D0374.

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
13494-001	IPC [MCC] EFF-Quarterly 20D0374-01	4/22/2020	4/13/2020	11:40

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 #:** 2168	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 4/26/2020
Project ID: 20D0374	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 4/27/2020

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.24	0.772	5.00		13C-2378-TCDD	71.6	31-137	
					CRS			
					37Cl4-2378-TCDD	68.3	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 #: 2168	**Date Extracted:** 4/26/2020
	Matrix: Aqueous	**ZB-5MS Analysis:** 4/27/2020
Project ID: 20D0374	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.11	7.3-14.6	13C-2378-TCDD	83.1	25-141
			CRS		
			37Cl4-2378-TCDD	81.4	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: IPC [MCC] EFF-Quarterly 20D0374-01		
Project ID: 20D0374	**Ceres Sample ID:** 13494-001	**Date Received:** 4/22/2020
	QC Batch #: 2168	**Date Extracted:** 4/26/2020
Date Collected: 4/13/2020	**Matrix:** Aqueous	**ZB-5MS Analysis:** 4/27/2020
Time Collected: 11:40	**Sample Size:** 0.951 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.68	0.772	5.26		13C-2378-TCDD	73.7	31-137	
					CRS			
					37Cl4-2378-TCDD	73.6	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**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

20D0374

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Ceres Analytical Laboratoy, Inc
4919 Windplay Dr. Suite 1
El Dorado Hills, CA 95762
Phone :(916) 932-5011
Fax: (888) 932-5011

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20D0374-01 **Water**	**Sampled: 13-Apr-20 11:40**			**IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613	27-Apr-20 12:00	20-Apr-20 11:40		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	4/17/20 15:00pm	[signature]	4/22/20 11:04
Released By	Date	Received By	Date

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SUBCONTRACT ORDER

Pat-Chem Laboratories

20D0374

#322010350

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

LA Testing
520 Mission St,
South Pasadena, CA 91030
Phone :(800) 303-0047
Fax:

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20D0374-02 **Water**	**Sampled: 09-Jun-20 11:20**			**IPC [MCC] EFF-Quarterly**
Asbestos Water	27-Apr-20 12:00	06-Dec-20 11:20		
Containers Supplied:				

Released By	Date	Received By	Date
		mckissack (PB)	06/09/2020 1515
Released By	Date	Received By	Date

May 04, 2020

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 91340

Attn: Stephen Berensten

RE: 20D0374

Order No.: 2004378
Invoice No.: 152403
PO No.:
ELAP No.1247-Expires July 2020

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	20D0374-01
01B	20D0374-01
01C	20D0374-01

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: 06-May-2020
WorkOrder: 2004378

CASE NARRATIVE

The sample was received outside the EPA recommended temperature of less than or equal to 6° C.

The sample was received and analyzed past the holding time as per client request.

EPA 547:
The laboratory control sample duplicate (LCSD) recovery was below the lower acceptance limit for glyphosate. The response of the reporting limit standard was such that the analyte would have been detected even with the low recovery; therefore, the data were accepted.

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 May

WorkOrder

ANALYTICAL REPORT

Client Sample ID D

Lab ID A

Received

Collected

Test Name EPA

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat dissolved	ND			µg/L			

Client Sample ID D

Lab ID B

Received

Collected

Test Name Endothall

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND			µg/L			

Client Sample ID D

Lab ID C

Received

Collected

Test Name Glyphosate

Reference EPA

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND			µg/L			

North Coast Laboratories, Ltd.

Date: 5/4/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2004378
Project: 20D0374

QC SUMMARY REPORT

Method Blank

Sample ID **MB-043020** Batch ID: **R103219** Test Code: **547W** Units: **µg/L** Analysis Date **4/30/2020 4:13:24 PM** Prep Date **4/30/2020**
Client ID: Run ID: **ORLC9_200430A** SeqNo: **1471257**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID **MB-38547** Batch ID: **38547** Test Code: **548W** Units: **µg/L** Analysis Date **4/28/2020 5:01:47 PM** Prep Date **4/23/2020**
Client ID: Run ID: **ORGC14_200428A** SeqNo: **1470762**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									

Sample ID **MB-38549** Batch ID: **38549** Test Code: **549W** Units: **µg/L** Analysis Date **5/3/2020 1:52:25 PM** Prep Date **4/24/2020**
Client ID: Run ID: **ORLC8_200503A** SeqNo: **1471319**

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: 5/4/2020

CLIENT: Pat-Chem Laboratories
Work Order: 2004378
Project: 20D0374

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-043020** Batch ID: **R103219** Test Code: **547W** Units: **µg/L** Analysis Date **4/30/2020 4:56:55 PM** Prep Date **4/30/2020**
Client ID: Run ID: **ORLC9_200430A** SeqNo: **1471259**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	41.89	5.0	50.0	0	83.8%	80	118	0			

Sample ID **LCSD-043020** Batch ID: **R103219** Test Code: **547W** Units: **µg/L** Analysis Date **4/30/2020 5:18:40 PM** Prep Date **4/30/2020**
Client ID: Run ID: **ORLC9_200430A** SeqNo: **1471260**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	39.16	5.0	50.0	0	78.3%	80	118	41.9	6.74%	30	S

Sample ID **LCS-38547** Batch ID: **38547** Test Code: **548W** Units: **µg/L** Analysis Date **4/28/2020 5:28:35 PM** Prep Date **4/23/2020**
Client ID: Run ID: **ORGC14_200428A** SeqNo: **1470763**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	211.4	45	225	0	94.0%	61	114	0			

Sample ID **LCSD-38547** Batch ID: **38547** Test Code: **548W** Units: **µg/L** Analysis Date **4/28/2020 5:55:03 PM** Prep Date **4/23/2020**
Client ID: Run ID: **ORGC14_200428A** SeqNo: **1470764**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	218.8	45	225	0	97.2%	61	114	211	3.41%	30	

Sample ID **LCS-38549** Batch ID: **38549** Test Code: **549W** Units: **µg/L** Analysis Date **5/3/2020 2:13:50 PM** Prep Date **4/24/2020**
Client ID: Run ID: **ORLC8_200503A** SeqNo: **1471321**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.863	0.40	2.00	0	93.2%	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: 2004378
Project: 20D0374

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-38549** Batch ID: **38549** Test Code: **549W** Units: **µg/L** Analysis Date **5/3/2020 2:24:34 PM** Prep Date **4/24/2020**
Client ID: Run ID: **ORLC8_200503A** SeqNo: **1471322**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.772	0.40	2.00	0	88.6%	70	130	1.86	5.01%	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

July 2, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2007686
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
20D0374-02	06/09/2020	06/10/2020	SP 2007686-001	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 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:

Radio QC

900.0	06/22/2020:209781 All analysis quality controls are within established criteria.
	06/26/2020:210085 All analysis quality controls are within established criteria.
	06/12/2020:206700 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	07/01/2020:210361 All analysis quality controls are within established criteria.
	06/18/2020:207020 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
905.0	06/18/2020:209724 All analysis quality controls are within established criteria.
	06/13/2020:206759 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

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

July 2, 2020 Lab ID : SP 2007686
Pat-Chem Laboratories Customer : 2-12670

Radio QC

906.0	06/29/2020:210209 All analysis quality controls are within established criteria.
	06/26/2020:207344 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
Ra - 05	06/27/2020:210304 All analysis quality controls are within established criteria.
	06/25/2020:206760 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Inorganic - Wet Chemistry QC

314.0	06/11/2020:209152 All analysis quality controls are within established criteria.
	06/10/2020:206670 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2020-07-02

July 2, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20D0374-02
Project : 20D0374

Lab ID : SP 2007686-001
Customer ID : 2-12670

Sampled On : June 9, 2020-11:20
Sampled By : Not Available
Received On : June 10, 2020-15:35
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	4	ug/L		314.0	06/10/20:206670	314.0	06/11/20:209152

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

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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
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563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
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Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
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CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
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July 2, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20D0374-02
Project : 20D0374

Lab ID : SP 2007686-001
Customer ID : 2-12670

Sampled On : June 9, 2020-11:20
Sampled By : Not Available
Received On : June 10, 2020-15:35
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	3.53 ± 1.36	1.35	pCi/L	15/5	900.0	06/12/20-09:30 2P2006700	900.0	06/22/20-14:06 2A2009781
Gross Beta	2.90 ± 0.679	0.639	pCi/L	50	900.0	06/12/20-09:30 2P2006700	900.0	06/26/20-13:26 2A2010085
Strontium 90	0.000 ± 0.320	0.546	pCi/L	8	905.0	06/13/20-08:30 2P2006759	905.0	06/18/20-12:20 2A2009724
Total Alpha Radium (226)	0.303 ± 0.174	0.362	pCi/L	3	903.0	06/18/20-18:00 2P2007020	903.0	07/01/20-13:42 2A2010361
Tritium	125 ± 263	434	pCi/L	20000	906.0	06/26/20-07:30 2P2007344	906.0	06/29/20-15:19 2A2010209
Ra 228	0.000 ± 0.771	0.505	pCi/L	2	Ra - 05	06/25/20-17:40 2P2006760	Ra - 05	06/27/20-10:30 2A2010304

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

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July 2, 2020 Lab ID : SP 2007686
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	06/22/20:209781JCA	CCV	cpm	7977	39.7 %	35-47	
			CCB	cpm		0.100	0.14	
Beta	900.0	06/26/20:210085JCA	CCV	cpm	7631	93.8 %	83-94	
			CCB	cpm		0.3800	0.48	
Gross Alpha	900.0	06/12/20:206700jca	Blank	pCi/L		0.41	3	
			LCS	pCi/L	155.2	84.2 %	75-125	
			MS	pCi/L	155.2	164 %	60-140	435
		(SP 2007686-001)	MSD	pCi/L	155.2	170 %	60-140	435
			MSRPD	pCi/L	155.2	3.4%	≤30	
Gross Beta	900.0	06/12/20:206700jca	Blank	pCi/L		0.18	4	
			LCS	pCi/L	25.99	150 %	84-160	
			MS	pCi/L	25.99	139 %	80-130	435
		(SP 2007686-001)	MSD	pCi/L	25.99	137 %	80-130	435
			MSRPD	pCi/L	155.2	1.3%	≤30	
Alpha	903.0	07/01/20:210361JCA	CCV	cpm	7970	39.7 %	37-46	
			CCB	cpm		0.100	0.16	
Total Alpha Radium (226)	903.0	06/18/20:207020emv	RgBlk	pCi/L		0.06	2	
			LCS	pCi/L	23.32	57.2 %	52-107	
			BS	pCi/L	23.32	52.6 %	43-111	
			BSD	pCi/L	23.32	52.0 %	43-111	
			BSRPD	pCi/L	23.32	1.2%	≤35.5	
Beta	905.0	06/18/20:209724emv	CCV	cpm	7979	87.8 %	85-93	
			CCB	cpm		0.4000	0.58	
Strontium - 90	905.0	06/13/20:206759emv	RgBlk	pCi/L		0.52	2	
			LRS	pCi/L	15.23	105 %	53-133	
			BS	pCi/L	15.22	107 %	75-125	
			BSD	pCi/L	15.22	110 %	75-125	
			BSRPD	pCi/L	15.22	2.0%	≤20	
Tritium	906.0	06/26/20:207344jca	Blank	pCi/L		-2	<300	
			LCS	pCi/L	1673	104 %	75-125	
			BS	pCi/L	1673	102 %	75-125	
			BSD	pCi/L	1673	104 %	75-125	
			BSRPD	pCi/L	1673	1.7%	≤25	
	906.0	06/29/20:210209JCA	CCV	pCi/L	24360	101 %	90-110	
			CCB	pCi/L		28	500	
Beta	Ra - 05	06/27/20:210304emv	CCV	cpm	7973	89.0 %	84-94	
			CCB	cpm		0.4000	0.58	
Ra 228	Ra - 05	06/25/20:206760emv	RgBlk	pCi/L		0.17	3	
			LRS	pCi/L	13.17	67.7 %	65-108	
			BS	pCi/L	13.17	83.4 %	75-125	
			BSD	pCi/L	13.17	89.3 %	75-125	
			BSRPD	pCi/L	13.17	0.78	≤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.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
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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

July 2, 2020 Lab ID : SP 2007686
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.

July 2, 2020 Lab ID : SP 2007686

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	06/10/20:206670MCA	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	95.5 %	85-115	
			MS	ug/L	25.00	94.0 %	80-120	
		(STK2037938-001)	MSD	ug/L	25.00	90.9 %	80-120	
			MSRPD	ug/L	25.00	3.3%	≤15	
	314.0	06/11/20:209152MCA	CCB	ppb		0.00	2.0	
			CCV	ppb	10.00	98.5 %	85-115	
			CCB	ppb		0.32	2.0	
			CCV	ppb	20.00	104 %	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.

SUBCONTRACT ORDER

Pat-Chem Laboratories

20D0374

20071080

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20D0374-02 **Water**	**Sampled: 09-Jun-20 11:20**			**IPC [MCC] EFF-Quarterly**
Tritium (Sub out)	27-Apr-20 12:00	11-Jun-20 11:20		
Sr-90 (Strontium 90)	27-Apr-20 12:00	06-Dec-20 11:20		
Radium 226 228	27-Apr-20 12:00	06-Dec-20 11:20		
Perchlorate 314.0	27-Apr-20 12:00	07-Jul-20 11:20		
Gross beta SUB	27-Apr-20 12:00	06-Dec-20 11:20		
Gross alpha SUB	27-Apr-20 12:00	06-Dec-20 11:20		
Containers Supplied:				

Released By	6/10/20 Date	Drop off Received By	6/10/20 Date
Released By	Date	Received By	6/10/2020 15:35 Date

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.#: 2000374

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Quarterly	Page 1 of 2
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	04/13/20	1140	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	7.81/21°C
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8-TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
APR 13 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arana (PCL)	04/13/20	17:00
Received by	Armando Ochoa (PCL)	4/13/20	17:00
Relinquished by	Armando Ochoa (PCL)	4/13/20	15:00
Received by			
Relinquished by			
Received by	APR 13 2020		1500

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0374

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Quarterly	Page 2 of 2
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	06/09/20	1120	5	Radium-226 & 228 **(Sub-Out)** Gross Alpha, Gross Beta	Grab	AQ	1L P	4°C	EC =
			1	Strontium-90 **(Sub-Out)**	Grab	AQ	1L P	4°C	
			1	Tritium **(Sub-Out)**	Grab	AQ	VOA	4°C	7.1/24.5°C
			1	Perchlorate **(Sub-Out, leave headspace)**	Grab	AQ	500 P	4°C	
			1	Asbestos **(Sub-Out)**	Grab	AQ	1L P	4°C	

RECEIVED
APRIL 13 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	06/09/20	1700
Received by		Alexandra Aguilera	6/9/20	1700
Relinquished by		Alexandra Aguilera	6/9/20	1700
Received by				
Relinquished by				
Received by			April 13, 2020	1140

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: (C) Grab, Comp

Matrix: (AQ) Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 13:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0405-01) Collected: 14-Apr-20 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AD01429	1.8	14-Apr-20	16-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01429	1.8	14-Apr-20	16-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01535	0.1	14-Apr-20	14-Apr-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01537	0.05	15-Apr-20	15-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000405

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/14/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arana (SPC)	04/14/20	12:40pm
Received by		Jairo Mendivar	4/14/20	12:40pm
Relinquished by		Jairo Mendivar	4/14/20	2:40pm
Received by				
Relinquished by				
Received in lab by		APR 12 2020		1440

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: 30-Apr-20 13:20
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20D0448-01) Collected: 14-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD01635	1	16-Apr-20	16-Apr-20	**133 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD01640	2	16-Apr-20	21-Apr-20	**159 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0448

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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
INF	04/14/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.60 / 17.9°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
APR 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/15/20	17:20
Received by		ALEJANDRO CRUZ (CARTWRIGHT)	4/15/20	17:20
Relinquished by		ALEJANDRO CRUZ (CARTWRIGHT)	4/15/20	14:50
Received by				
Relinquished by				
Received at Lab by		APR 15 2020		1450

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: 03-May-20 13:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0439-01) Collected: 15-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01534	1.8	15-Apr-20	17-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01534	1.8	15-Apr-20	17-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01637	0.1	15-Apr-20	15-Apr-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01639	0.05	16-Apr-20	16-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0439

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH (Field) Lab
EFF	04/15/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/22.7
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	04/15/20	12:20
Received by	Armando Cano (Patchem)	4/15/20	12:20
Relinquished by	Armando Cano (Patchem)	4/15/20	14:50
Received by			
Relinquished by			
Received in lab by	APR 15 2020		1450

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	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: 30-Apr-20 13:14
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0447-01) Collected: 15-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD01635	1	16-Apr-20	16-Apr-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD01810	0.10	18-Apr-20	20-Apr-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AD01632	0.02	16-Apr-20	16-Apr-20	**2.30 mg/l**	
Nitrite as N	EPA 353.2	AD01632	0.02	16-Apr-20	16-Apr-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD01633	0.10	16-Apr-20	17-Apr-20	**0.62 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	16-Apr-20	17-Apr-20	**2.92 mg/l**	
EFF (Sample I.D.# : 20D0447-02) Collected: 14-Apr-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD01640	2	16-Apr-20	21-Apr-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0447

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. Ward
	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	04/15/20	1145	1	TSS	Grab	AQ	1L P	4°C	7.72 / 22.9 C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	04/14/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
APR 15 2020
By Alexander Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ward	Carlos Alvarez (IPC)	04/15/20	17:20
Received by	Alvarez	Alvarez OMS Waters	4/15/20	17:20
Relinquished by	Alvarez	Hernandez OMS Waters	4/15/20	14:50
Received by				
Relinquished by				
Received by	Alexander Jr.	APR 15 2020		1450

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: 03-May-20 13:50
Subject: (MCC) Daily EFF

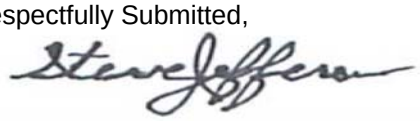
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0475-01) Collected: 16-Apr-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01636	1.8	16-Apr-20	18-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01636	1.8	16-Apr-20	18-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01711	0.1	16-Apr-20	16-Apr-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01712	0.05	17-Apr-20	17-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0475

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	4/16/20	10:57	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.81/20.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	4/16/20	10:57
Received by	[illegible]	4/16/20	17:05
Relinquished by	[illegible]	4/16/20	14:30
Received by			
Relinquished by			
Received by/Lab by	APR 16 2020		1430

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 13:52
Subject: (MCC) Daily EFF

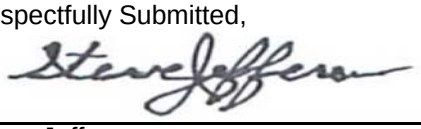
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0502-01) Collected: 17-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01710	1.8	17-Apr-20	19-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01710	1.8	17-Apr-20	19-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01805	0.1	17-Apr-20	17-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01718	0.05	17-Apr-20	17-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0502

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	04/17/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	04/17/20	12:40PM
Received by		Jairo Mendivar	4/17/20	12:40PM
Relinquished by		Jairo Mendivar	4/17/20	2:00PM
Received by				
Relinquished by				
Received by		APR 17 2020		1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 13:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0512-01) Collected: 18-Apr-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01804	1.8	18-Apr-20	20-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01804	1.8	18-Apr-20	20-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD01920	0.1	18-Apr-20	18-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD01811	0.05	18-Apr-20	18-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0512

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/18/20	9:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 18 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	4/18/20	1200
Received by		Alex Walkup Jr (PCL)	4/18/20	1200
Relinquished by		Alex Walkup Jr	4/18/20	1400
Received by				
Relinquished by				
Received in lab by		APR 18 2020		1400

Sample Received Checklist

Temperature upon receipt: 0 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 13:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0526-01) Collected: 19-Apr-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AD01919	1.8	19-Apr-20	21-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD01919	1.8	19-Apr-20	21-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02227	0.1	19-Apr-20	19-Apr-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02036	0.05	20-Apr-20	20-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0526

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	4/19/20	09:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	4/19/20	09:50
Received by	RM PCL	4/19/20	1345
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	4/19/20	1539

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0543-01) Collected: 20-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02032	1.8	20-Apr-20	22-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02032	1.8	20-Apr-20	22-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02227	0.1	20-Apr-20	20-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02036	0.05	20-Apr-20	20-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000543

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	04/20/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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APR 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPL)	04/20/20	1235
Received by		Jairo Mejivar	4/20/20	12:35PM
Relinquished by		Jairo Mejivar	4/20/20	15:00
Received by				
Relinquished by				
Received by/Lab by		APR 20 2020		1500

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:02
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0574-01) Collected: 21-Apr-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02125	1.8	21-Apr-20	23-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02125	1.8	21-Apr-20	23-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02227	0.1	21-Apr-20	21-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02228	0.25	22-Apr-20	22-Apr-20	**2.2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0574

Customer: IPC - Integrated Performance Consultants, Inc		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: VICTOR ARIKIAN Report Attention: Ric Vardei / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/21/20	11:41	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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APR 21 2020

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	4/21/20	11:41
Received by	Jairo Menjivar	4/21/20	12:42PM
Relinquished by	Jairo Menjivar	4/21/20	14:00
Received by			
Relinquished by			
Received in lab by	APR 21 2020		1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Apr-20 13:22
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20D0616-01) Collected: 21-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD02339	1	23-Apr-20	24-Apr-20	**128 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD02338	2	23-Apr-20	28-Apr-20	**161 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 4/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0616

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/21/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.45/18.8°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

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APR 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/22/20	1230
Received by		Fernando Cruz-Aguilera	4/22/20	1230
Relinquished by		Fernando Cruz (Pat-C)	4/22/20	14:05
Received by				
Relinquished by				
Received in lab		APR 22 2020		1415

Sample Received Checklist 4°C

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:05
Subject: (MCC) Daily EFF

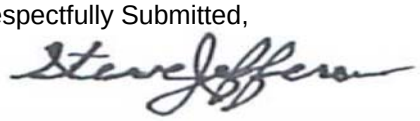
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0609-01) Collected: 22-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02226	1.8	22-Apr-20	24-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02226	1.8	22-Apr-20	24-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02335	0.1	22-Apr-20	22-Apr-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02336	0.05	23-Apr-20	23-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0609

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/22/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.61 / 20.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 22 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cafe)	04/22/20	12:30
Received by		[illegible]	4/22/20	12:30
Relinquished by		[illegible]	4/22/20	14:15
Received by				
Relinquished by				
Received by		APR 22 2020		14:15

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.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:20
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0615-01) Collected: 22-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD02339	1	23-Apr-20	24-Apr-20	**3 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD02330	0.10	23-Apr-20	23-Apr-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AD02332	0.02	23-Apr-20	23-Apr-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AD02332	0.02	23-Apr-20	23-Apr-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD02331	0.10	23-Apr-20	25-Apr-20	**0.72 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	23-Apr-20	25-Apr-20	**0.779 mg/l**	
EFF (Sample I.D.# : 20D0615-02) Collected: 21-Apr-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD02338	2	23-Apr-20	28-Apr-20	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
20D0615-02	BOD SM5210B		Sampled->Prepared > 2.00 days
	Total Nitrogen	(Water)	Result calculations based on MDL
			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.#: 20D0615

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	**P.O. #:**
	Irvine CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	04/22/20	1130	1	TSS	Grab	AQ	1L P	4°C	7.78/20.1°C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	04/21/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
APR 22 2020

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/22/20	1230
Received by		Brandon Olson (GSTL)	4/22/20	1230
Relinquished by		Brandon Olson (GSTL)	4/22/20	1415
Received by				
Relinquished by				
Received in Lab		APR 22 2020		1415

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: 03-May-20 14:07
Subject: (MCC) Daily EFF

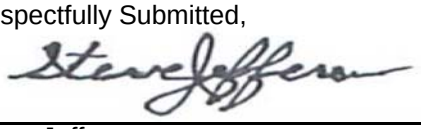
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0631-01) Collected: 23-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02334	1.8	23-Apr-20	25-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02334	1.8	23-Apr-20	25-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02413	0.1	23-Apr-20	23-Apr-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02344	0.05	23-Apr-20	23-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000631

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	04/23/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.23/24.7°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	04/23/20	12:00
Received by		Hemming Ames (Patchem)	4/23/20	12:00
Relinquished by		Hemming Ames (Patchem)	4/23/20	14:15
Received by				
Relinquished by				
Received in lab by		APR 23 2020		1415

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	Yes	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab)	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
(AQ) - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	(ST) - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
(P) - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0665-01) Collected: 24-Apr-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02411	1.8	24-Apr-20	26-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02411	1.8	24-Apr-20	26-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02510	0.1	24-Apr-20	24-Apr-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02511	0.05	25-Apr-20	25-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0665

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	C. Alvarez
	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	04/24/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	04/24/20	12:35Pm
Received by		Jairo Mejivar	4/24/20	12:35PM
Relinquished by		Jairo Mejivar	4/24/20	12:35PM
Received by				
Relinquished by				
Received by		APR 24 2020		13:44

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: 03-May-20 14:12
Subject: (MCC) Daily EFF

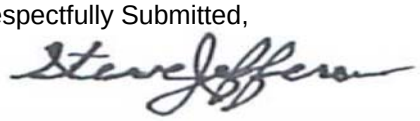
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0674-01) Collected: 25-Apr-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02504	1.8	25-Apr-20	28-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02504	1.8	25-Apr-20	28-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02510	0.1	25-Apr-20	25-Apr-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02622	0.05	26-Apr-20	26-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000674

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: Mario Aguirre	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/25/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:45	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
APR 25 2020
By JC

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	4/25/20	11:30
Received by		Alex Walker Jr. (PCL)	4/25/20	11:30
Relinquished by		Alex Walker Jr	4/25/20	14:00
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	4/25/20	1400

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
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
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1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:15
Subject: (MCC) Daily EFF

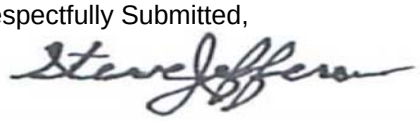
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0679-01) Collected: 26-Apr-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AD02619	1.8	26-Apr-20	28-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02619	1.8	26-Apr-20	28-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02931	0.1	26-Apr-20	26-Apr-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02722	0.05	27-Apr-20	27-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0679

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	4/26/20	10:09	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	4/26/20	10:09
Received by	RM PCL	4/26/20	1425
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	4/26/20	1651

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-May-20 14:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0694-01) Collected: 27-Apr-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02726	1.8	27-Apr-20	29-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02726	1.8	27-Apr-20	29-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02931	0.1	27-Apr-20	27-Apr-20	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02830	0.05	28-Apr-20	28-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000694

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	04/27/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.01/29.3°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/27/20	11:14
Received by		Juan Vasquez (PCL)	4/27/20	11:14
Relinquished by		Juan Vasquez (PCL)	4/27/20	12:00
Received by				
Relinquished by				
Received in lab by		APR 27 2020		1200

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-May-20 10:04
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0726-01) Collected: 28-Apr-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AD02828	1.8	28-Apr-20	30-Apr-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02828	1.8	28-Apr-20	30-Apr-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02931	0.1	28-Apr-20	28-Apr-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD02933	0.05	29-Apr-20	29-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0726

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARJIKIAN	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	4/28/20	11:01	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.62 / 23.9°C
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARJIKIAN (IPC)	4/28/20	11:01
Received by	[illegible]	4/28/20	12:00
Relinquished by	[illegible]	4/28/20	14:40
Received by			
Relinquished by			
Received in lab by	APR 28 2020		1440

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-May-20 15:44
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20D0753-01) Collected: 28-Apr-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD03027	1	30-Apr-20	30-Apr-20	**127 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD03026	2	30-Apr-20	05-May-20	**153 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2DD0753

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
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	04/28/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.52 / 17.5°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
APR 29 2020
By Alex Valdez Jr.

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	04/29/20	12:25
Received by	[signature]	Armando Ochoa (PCL)	4/29/20	12:25
Relinquished by	[signature]	Armando Ochoa (PCL)	4/29/20	14:40
Received by				
Relinquished by				
Received in Lab by	Alex Valdez Jr.	APR 29 2020		1440

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: 08-May-20 10:13
Subject: (MCC) Daily EFF

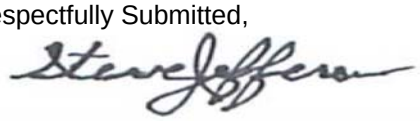
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0752-01) Collected: 29-Apr-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD02929	1.8	29-Apr-20	01-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD02929	1.8	29-Apr-20	01-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD02941	0.1	29-Apr-20	29-Apr-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD03030	0.05	30-Apr-20	30-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20D0752

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/29/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.06 / 23.2
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 29 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/29/20	12:25
Received by		Armando Olivas (Spect)	4/29/20	12:25
Relinquished by		Armando Olivas (Spect)	4/29/20	14:40
Received by				
Relinquished by				
Received in lab by		APR 29 2020		1440

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: 11-May-20 10:07
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0754-01) Collected: 29-Apr-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AD03027	1	30-Apr-20	30-Apr-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE00107	0.10	01-May-20	01-May-20	**0.13 mg/l**	
Nitrate as N	EPA 353.2	AD03024	0.02	30-Apr-20	30-Apr-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AD03024	0.02	30-Apr-20	30-Apr-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE00424	0.10	04-May-20	05-May-20	**0.39 mg/l**	
Total Nitrogen	[CALC]	[CALC]	0.140	04-May-20	05-May-20	**0.387 mg/l**	
EFF (Sample I.D.# : 20D0754-02) Collected: 28-Apr-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD03026	2	30-Apr-20	05-May-20	**8 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/11/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-May-20 12:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20D0771-01) Collected: 30-Apr-20 By VA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD03029	1.8	30-Apr-20	02-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD03029	1.8	30-Apr-20	02-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00113	0.1	30-Apr-20	30-Apr-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD03036	0.05	30-Apr-20	30-Apr-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000771

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
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	4/30/20	11:24	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.86/21.8°C
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
APR 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (EPC)	4/30/20	11:24
Received by		Armando Olmos (PatChem)	4/30/20	12:00
Relinquished by		Armando Olmos (PatChem)	4/30/20	14:30
Received by				
Relinquished by				
Received by Lab by		APR 30 2020		1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) -Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-May-20 12:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0018-01) Collected: 01-May-20 By VA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE00112	1.8	01-May-20	03-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00112	1.8	01-May-20	03-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00207	0.1	01-May-20	01-May-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00208	0.05	02-May-20	02-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0018

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/01/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.81/24.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	05/01/20	11:45
Received by	Alejandro Olvera (CALS)	5/1/20	11:45
Relinquished by	Alejandro Olvera (CALS)	5/1/20	15:00
Received by			
Relinquished by			
Received by	MAY 01 2020		1500

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: 08-May-20 15:19
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0030-01) Collected: 02-May-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AE00211	1.8	02-May-20	04-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00211	1.8	02-May-20	04-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00329	0.1	02-May-20	02-May-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00330	0.05	03-May-20	03-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0030

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Mario Aguirre	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	5/2/20	9:53	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	5/2/20	~~13:00~~
Received by		Alex Walker Jr	5/2/20	13:00
Relinquished by		Alex Walker Jr	5/2/20	1621
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	5/2/20	1621

Sample Received Checklist M.A.
Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are ~~discarded~~ 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-May-20 15:35
Subject: (MCC) Daily EFF

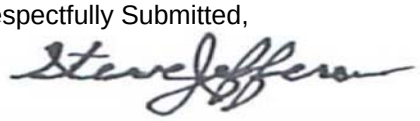
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0034-01) Collected: 03-May-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AE00328	1.8	03-May-20	05-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00328	1.8	03-May-20	05-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00637	0.1	03-May-20	03-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00430	0.05	04-May-20	04-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0034

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	5/3/20	09:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	5/3/20	09:45
Received by	RM PCL	5/3/20	1410
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	5/3/20	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	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: 08-May-20 15:38
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0055-01) Collected: 04-May-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AE00420	1.8	04-May-20	06-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00420	1.8	04-May-20	06-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00637	0.1	04-May-20	04-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00527	0.05	05-May-20	05-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0055

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	C. Alvarez
	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	05/04/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 04 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	05/04/20	12:45PM
Received by		Jairo Menjivar	5-4-20	12:45PM
Relinquished by		Jairo Menjivar	5-4-20	3:25PM
Received by				
Relinquished by				
Received in lab by		MAY 04 2020		1525

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jun-20 17:30
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0066-01) Collected: 04-May-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AE00635	5	06-May-20	08-May-20	**1644 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AE00643	25.0	06-May-20	06-May-20	**267 mg/l**	
Sulfate as SO4	EPA 300.0	AE00643	12.5	06-May-20	06-May-20	**363 mg/l**	
Boron	EPA 200.7	AE00627	0.10	06-May-20	07-May-20	**0.61 mg/l**	
Phosphorus, Total as P	EPA 365.3	AE01827	0.10	18-May-20	18-May-20	**2.01 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AE00525	0.05	05-May-20	05-May-20	**0.05 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AE00629	5	06-May-20	06-May-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0066

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/04/20	1115	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

RECEIVED
MAY 04 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZBC)	05/04/20	12:45PM
Received by		Jairo Mendivar	5-4-20	12:45PM
Relinquished by		Jairo Mendivar	5-4-20	3:25PM
Received by				
Relinquished by				
Received in lab by		MAY 04 2020		1520

Sample Received Checklist

Temperature upon receipt: 20c

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-May-20 13:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0093-01) Collected: 05-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE00529	1.8	05-May-20	07-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00529	1.8	05-May-20	07-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00637	0.1	05-May-20	05-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00639	0.05	06-May-20	06-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0093

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: C. Duran	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	05/05/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAY 05 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Duran	Carlos Duran (IPC)	05/05/20	1:10PM
Received by		Jairo Mendivil	5-5-20	1:10PM
Relinquished by		Jairo Mendivil	5-5-20	3:00PM
Received by				
Relinquished by				
Received in lab by		MAY 05 2020		1500

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: 17-May-20 15:52
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20E0134-01) Collected: 05-May-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE00729	1	07-May-20	08-May-20	**140 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE00725	2	07-May-20	12-May-20	**512 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0134

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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
INF	05/05/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.2/21.0
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

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MAY 06 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/06/20	12:25
Received by		Cindy Mar (PCL)	5/6/20	12:25
Relinquished by		Cindy Mar (PCL)	5/6/20	14:21
Received by				
Relinquished by				
Received by/Lab by		MAY 06 2020		1421

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(C) Grab	(AQ) - Water	(P) Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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-May-20 13:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0122-01) Collected: 06-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE00644	1.8	06-May-20	08-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00644	1.8	06-May-20	08-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00650	0.1	06-May-20	06-May-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00649	0.05	06-May-20	06-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0122

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	05/06/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4 / 27.3 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPS)	05/06/20	12:25
Received by		Cindy Martinez	5/6/20	12:25
Relinquished by		Cindy Martinez (PCL)	5/6	14:21
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	5/6/20	14:21

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: 02-Jun-20 17:45
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0131-01) Collected: 06-May-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AE00729	1	07-May-20	08-May-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE00810	0.10	08-May-20	08-May-20	**0.18 mg/l**	
Nitrate as N	EPA 353.2	AE00730	0.02	07-May-20	07-May-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AE00730	0.02	07-May-20	07-May-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE01341	0.10	13-May-20	15-May-20	**0.73 mg/l**	
EFF (Sample I.D.# : 20E0131-02) Collected: 05-May-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE00725	2	07-May-20	12-May-20	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0131

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Weekly	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/06/20	1140	1	TSS	Grab	AQ	1L P	4°C	7.5 / 26.0°C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	HS	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	05/05/20	0000	1	BOD	~~Grab~~ Comp	AQ	1L P	4°C	

RECEIVED
MAY 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/06/20	12:25
Received by		Cindy Martinez (PCL)	5/6/2012:25	
Relinquished by		Cindy Martinez (PCL)	5/6/2014:21	
Received by				
Relinquished by				
Received in lab by		MAY 06 2020		1427

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-May-20 13:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0157-01) Collected: 07-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE00728	1.8	07-May-20	09-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00728	1.8	07-May-20	09-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00812	0.1	07-May-20	07-May-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00813	0.05	08-May-20	08-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0157

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	
	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	05/07/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAY 07 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arroyo (PCL)	05/07/20	12:45
Received by		Jairo Mendivar	5/7/20	12:45
Relinquished by		Jairo Mendivar	5/7/20	2:20PM
Received by				
Relinquished by				
Received at lab by		MAY 07 2020		1440

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-May-20 13:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0183-01) Collected: 08-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE00811	1.8	08-May-20	10-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00811	1.8	08-May-20	10-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00908	0.1	08-May-20	08-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00906	0.05	09-May-20	09-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0183

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine CA 92618

Sampled by: C. 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	05/08/20	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAY 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	05/08/20	1200
Received by	EB	Carlos	pm 5/8/20	1200
Relinquished by	EB	Carlos	pm 5/8/20	1400
Received by				
Relinquished by				
Received in Lab		MAY 08 2020		1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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: 17-May-20 15:32
Subject: (MCC) Daily EFF

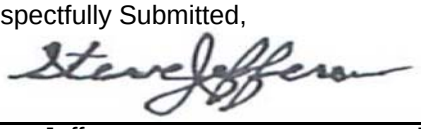
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0195-01) Collected: 09-May-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AE00904	1.8	09-May-20	11-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE00904	1.8	09-May-20	11-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE00908	0.1	09-May-20	09-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE00909	0.05	09-May-20	09-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0195

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Mario Aguirre **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/9/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	5/9/20	1010
Received by	Jose L Gomez	5/9/20	1010
Relinquished by	Jose L Gomez	5/9/20	1145
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	5/9/20	1145

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: 17-May-20 15:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0201-01) Collected: 10-May-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01017	1.8	10-May-20	12-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01017	1.8	10-May-20	12-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01337	0.1	10-May-20	10-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01023	0.05	10-May-20	10-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0201

Customer: IPC - Integrated Performance Consultants, Inc.	Project : (MCC) EFF - Daily
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	5/10/20	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	5/10/20	09:35
Received by	RM PCL	5/10/2020	1350
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	5/10/2020	1538

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-May-20 15:42
Subject: (MCC) Daily EFF

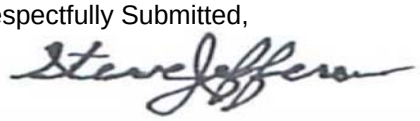
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0215-01) Collected: 11-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE01125	1.8	11-May-20	13-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01125	1.8	11-May-20	13-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01337	0.1	11-May-20	11-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01128	0.05	11-May-20	11-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0215

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: C. Cram	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	05/11/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAY 11 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Cram	Carlos Alvarez (IPC)	05/11/20	11:30
Received by	Juan Vasquez	Juan Vasquez (PCL)	5/11/20	11:30
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	5/11/20	12:50
Received by				
Relinquished by				
Received by	Alex Valdivia Jr.	MAY 11 2020		1158

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-May-20 15:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0241-01) Collected: 12-May-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01231	1.8	12-May-20	14-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01231	1.8	12-May-20	14-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01337	0.1	12-May-20	12-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01338	0.05	13-May-20	13-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0241

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	**P.O. #:**
	Irvine CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/12/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID. WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/12/20	12:40PM
Received by		Jairo Manilvar	5-12-20	12:40PM
Relinquished by		Jairo Manilvar	5-12-20	2:30PM
Received by				
Relinquished by				
Received by		MAY 12 2020		1430

Sample Received Checklist

Temperature upon receipt: 84°F

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jun-20 21:42
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20E0269-01) Collected: 12-May-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AE01439	1	14-May-20	14-May-20	**148 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE01441	2	14-May-20	19-May-20	**208 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0269

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
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	05/12/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAY 13 2020
By Abdullah Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	05/13/20	12:55
Received by		Jairo Menjivar	5/13/20	12:55
Relinquished by		Jairo Menjivar	5/13/20	3:00PM
Received by				
Relinquished by				
Received in lab by	Abdullah Jr.	MAY 13 2020		1500

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-May-20 15:47
Subject: (MCC) Daily EFF

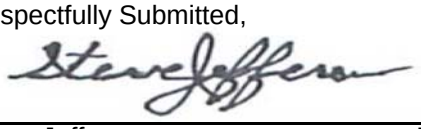
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0262-01) Collected: 13-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE01336	1.8	13-May-20	15-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01336	1.8	13-May-20	15-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01346	0.1	13-May-20	13-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01347	0.05	13-May-20	13-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0262

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/13/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 13 2020

Geotracker EDF:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Arroyo (Cape)	05/13/20	12:55
Received by	Jairo Menjivar	5/13/20	12:55
Relinquished by	Jairo Menjivar	5/13/20	3:00PM
Received by			
Relinquished by			
Received in lab by	MAY 13 2020		1500

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jun-20 17:37
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0270-01) Collected: 13-May-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AE01439	1	14-May-20	14-May-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE01821	0.10	18-May-20	18-May-20	**0.17 mg/l**	
Nitrate as N	EPA 353.2	AE01444	0.02	14-May-20	14-May-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AE01444	0.02	14-May-20	14-May-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE01826	0.10	18-May-20	19-May-20	**1.13 mg/l**	
EFF (Sample I.D.# : 20E0270-02) Collected: 12-May-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE01441	2	14-May-20	19-May-20	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0270

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. D.
	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	05/13/20	1140	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	05/12/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAY 13 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/13/20	12:55
Received by		Jairo Mendoza	5/13/20	12:55
Relinquished by		Jairo Mendoza	5/13/20	3:00PM
Received by				
Relinquished by				
Received in lab by		MAY 13 2020		1500

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: 17-May-20 15:50
Subject: (MCC) Daily EFF

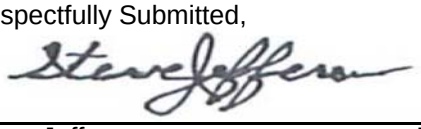
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0300-01) Collected: 14-May-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01440	1.8	14-May-20	16-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01440	1.8	14-May-20	16-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01447	0.1	14-May-20	14-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01448	0.05	14-May-20	14-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 5/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0300

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	5/14/20	11:22	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	5/14/20	11:22
Received by	Jairo Menjivar	5/14/20	1:05PM
Relinquished by	Jairo Menjivar	5/14/20	2:30PM
Received by			
Relinquished by			
Received by/Lab by	MAY 14 2020		1430

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: 05-Jun-20 14:34
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0312-01) Collected: 15-May-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01508	1.8	15-May-20	17-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01508	1.8	15-May-20	17-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01610	0.1	15-May-20	15-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01608	0.05	16-May-20	16-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0312

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C. 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	05/15/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.63/22.8°
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

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MAY 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Vardel	Carlos Alvarez (Cafe)	05/15/20	11:40
Received by		Primitivo Cano (Pat)	5/15/20	11:40
Relinquished by		Primitivo Cano (Pat)	5/15/20	14:20
Received by				
Relinquished by				
Received by		MAY 15 2020		1203

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: 05-Jun-20 14:40
Subject: (MCC) Daily EFF

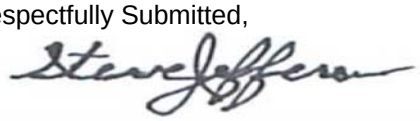
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0323-01) Collected: 16-May-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01607	1.8	16-May-20	18-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01607	1.8	16-May-20	18-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE01726	0.1	16-May-20	16-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01725	0.05	17-May-20	17-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0323

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Mario Aguirre **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/16/20	9:38	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	5/16/20	12:30
Received by		Alex Walker Jr	5/16/20	12:30
Relinquished by				
Received by				
Relinquished by				
Received by/lab by		MAY 16 2020		1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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: 05-Jun-20 14:42
Subject: (MCC) Daily EFF

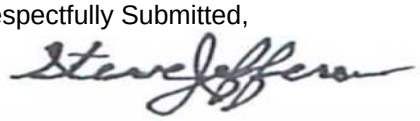
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0328-01) Collected: 17-May-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01724	1.8	17-May-20	19-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01724	1.8	17-May-20	19-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02030	0.1	17-May-20	17-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01831	0.05	18-May-20	18-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0328

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	5/17/20	09:44	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	5/17/20	09:44
Received by	RM PCL	5/17/20	1350
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	5/17/20	1642

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

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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: 05-Jun-20 14:48
Subject: (MCC) Daily EFF

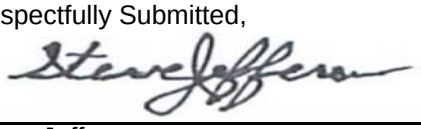
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0346-01) Collected: 18-May-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01832	1.8	18-May-20	20-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01832	1.8	18-May-20	20-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02030	0.1	18-May-20	18-May-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE01921	0.05	19-May-20	19-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0346

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/18/20	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.7/20.2
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAY 18 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/18/20	12:20
Received by		Armando Ochoa (Golder)	5/18/20	17:20
Relinquished by		Armando Ochoa (Golder)	5/18/20	14:45
Received by				
Relinquished by				
Received in lab by		MAY 18 2020		1507

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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 14:53
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0374-01) Collected: 19-May-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AE01923	1.8	19-May-20	21-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE01923	1.8	19-May-20	21-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02030	0.1	19-May-20	19-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02029	0.05	20-May-20	20-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0374

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	5/19/20	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	5/19/20	11:05
Received by			5/19/20	1200
Relinquished by			5.19.20	1320
Received by				
Relinquished by				
Received by		MAY 19 2020		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
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: 02-Jun-20 21:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20E0431-01) Collected: 19-May-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE02130	1	21-May-20	22-May-20	**154 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE02131	2	21-May-20	26-May-20	**226 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0431

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. Carlos
	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
INF	05/19/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.52/17.2C
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAY 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Carlos	Carlos Alvarez (IPC)	05/20/20	12:10
Received by		Hernando Ochoa (Patchem)	5/20/20	17:30
Relinquished by		Hernando Ochoa (Patchem)	5/20/20	15:00
Received by				
Relinquished by				
Received in lab by		MAY 20 2020		1527

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: 05-Jun-20 14:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0429-01) Collected: 20-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE02038	1.8	20-May-20	22-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02038	1.8	20-May-20	22-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02043	0.1	20-May-20	20-May-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02044	0.05	20-May-20	20-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0429

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	05/20/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.05/23.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 20 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/20/20	1410
Received by		Armando Ochoa (PCL)	5/20/20	12:10
Relinquished by		Armando Ochoa (PCL)	5/20/20	15:00
Received by				
Relinquished by				
Received at lab by		MAY 20 2020		1509

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? Yes (No)

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jun-20 17:48
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0430-01) Collected: 20-May-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE02130	1	21-May-20	22-May-20	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE02128	0.10	21-May-20	21-May-20	**0.90 mg/l**	
Nitrate as N	EPA 353.2	AE02136	0.02	21-May-20	21-May-20	**1.27 mg/l**	
Nitrite as N	EPA 353.2	AE02136	0.02	21-May-20	21-May-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE02133	0.10	21-May-20	22-May-20	**0.92 mg/l**	
EFF (Sample I.D.# : 20E0430-02) Collected: 19-May-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE02131	2	21-May-20	26-May-20	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0430

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive	**Sampled by:**	C. Ca
	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	05/20/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.85/23.9°C
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	05/19/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAY 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ca	Carlos Amaya (CPC)	05/20/20	17:10
Received by	C. Ca	Hermelinda Chavez (CPC)	5/20/20	17:10
Relinquished by	C. Ca	Hermelinda Chavez (CPC)	5/20/20	18:00
Received by				
Relinquished by				
Received in lab by		MAY 20 2020		1513

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	~~Yes~~	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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QUALITY ANALYTICAL SERVICES SINCE 1987
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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 14:58
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0451-01) Collected: 21-May-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AE02129	1.8	21-May-20	23-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02129	1.8	21-May-20	23-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02140	0.1	21-May-20	21-May-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02139	0.05	21-May-20	21-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0451

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	05/21/20	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.33/21.6°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/21/20	12:20
Received by		Armando Olmos (Patchem)	5/21/20	12:20
Relinquished by		Armando Olmos (Patchem)	5/21/20	14:50
Received by				
Relinquished by				
Received in lab by		MAY 21 2020		1357

Sample Received Checklist 0°C

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.

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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: 05-Jun-20 15:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0481-01) Collected: 22-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE02208	1.8	22-May-20	24-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02208	1.8	22-May-20	24-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02308	0.1	22-May-20	22-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02307	0.05	23-May-20	23-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0481

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/22/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.72 / 27.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arana (IPC)	05/22/20	12:05
Received by		Armando Ochoa (Client)	5/22/20	12:05
Relinquished by		Armando Ochoa (Client)	5/22/20	14:45
Received by				
Relinquished by				
Received by			MAY 22 2020	1533

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
~~WW~~ - 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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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:02
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0492-01) Collected: 23-May-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AE02306	1.8	23-May-20	25-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02306	1.8	23-May-20	25-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02313	0.1	23-May-20	23-May-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02314	0.10	23-May-20	23-May-20	**1.4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0492

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/23/20	9:37	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	5/23/20	9:37
Received by	Alex Walker Jr	5/23/20	10:30
Relinquished by	Alex Walker Jr	5/23/20	1300
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	5/23/20	1300

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4oc

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:34
Subject: (MCC) Daily EFF

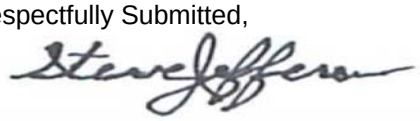
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0496-01) Collected: 24-May-20 By Rem of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AE02423	1.8	24-May-20	26-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02423	1.8	24-May-20	26-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02730	0.1	24-May-20	24-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02627	0.05	25-May-20	25-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0496

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	5/24/20	09:08	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
~~Relinquished by~~		VICTOR ARIKIAN (IPC)	5/24/20	09:08
Received by		RM PCL	5/24/20	1412
Relinquished by				
Received by				
~~Relinquished by~~				
Received in lab by		RM PCL	5/24/2020	1553

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
~~**G** - Amber Glass~~
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0502-01) Collected: 25-May-20 By Rem of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AE02530	1.8	25-May-20	27-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02530	1.8	25-May-20	27-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02730	0.1	25-May-20	25-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02627	0.05	26-May-20	26-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0502

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Mario Aguirre

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/25/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	5/25/20	1000
Received by	Alex Walker Jr	5/25/20	1000
Relinquished by			
Received by			
Relinquished by	JR (ACL)	5/25/20	12:30
Received by	RM PCL	5/25/20	12:30

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0518-01) Collected: 26-May-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE02631	1.8	26-May-20	28-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02631	1.8	26-May-20	28-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02730	0.1	26-May-20	26-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02727	0.05	27-May-20	27-May-20	**0.13 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0518

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
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	5/26/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAY 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name	(Company)	Date	Time
Relinquished by: GK	Golan	IPC	5/26/20	11:50
Received by: EG	Golan	IPC	5/26/20	11:50
Relinquished by: EG	Golan	IPC	5/26/20	1245
Received by:				
Relinquished by:				
Received by:			MAY 26 2020	1259

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(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: 02-Jun-20 21:48
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20E0555-01) Collected: 26-May-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE02828	1	28-May-20	28-May-20	**255 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE02826	2	28-May-20	02-Jun-20	**299 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0555

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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
INF	05/26/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.54 / 18.42
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

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MAY 27 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	05/27/20	11:55
Received by		Amanda Ochoa (Waters)	5/27/20	11:55
Relinquished by		Amanda Ochoa (Waters)	5/27/20	14:25
Received by				
Relinquished by				
Received in lab by		MAY 27 2020		1424

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:42
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0550-01) Collected: 27-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE02725	1.8	27-May-20	29-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02725	1.8	27-May-20	29-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02824	0.1	27-May-20	27-May-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02825	0.05	28-May-20	28-May-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0550

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive	**Sampled by:**	**P.O. #:**
	Irvine CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/27/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.44/20.8°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3Pc)	05/27/20	11:55
Received by		Armando Olivas (Apex)	5/27/20	11:55
Relinquished by		Armando Olivas (Apex)	5/27/20	14:05
Received by				
Relinquished by				
Received in lab by		MAY 27 2020		1350

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
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	
Al - $AlCl_3$	
Cu - $CuSO_4$	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 14:29
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0556-01) Collected: 27-May-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE02828	1	28-May-20	28-May-20	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE02822	0.10	28-May-20	29-May-20	**0.59 mg/l**	
Nitrate as N	EPA 353.2	AE02821	0.02	28-May-20	28-May-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AE02821	0.02	28-May-20	28-May-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF00345	0.20	03-Jun-20	05-Jun-20	**1.11 mg/l**	
EFF (Sample I.D.# : 20E0556-02) Collected: 26-May-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE02826	2	28-May-20	02-Jun-20	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0556

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/27/20	1100	1	TSS	Grab	AQ	1L P	4°C	7.44/20.6°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	05/26/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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MAY 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/27/20	11:55
Received by		Hermelo Chavez (Pat-Chem)	5/27/20	11:55
Relinquished by		Hermelo Chavez (Pat-Chem)	5/27/20	11:45
Received by				
Relinquished by				
Received in Lab by		MAY 27 2020		1421

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0576-01) Collected: 28-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE02823	1.8	28-May-20	30-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02823	1.8	28-May-20	30-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE02907	0.1	28-May-20	28-May-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE02908	0.05	29-May-20	29-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0576

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	05/28/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.66/27.6°C
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 28 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by:		Carlos Alvarez (GPI)	05/28/20	11:40
Received by		ARMANDO ALVAREZ (GPI)	5/28/20	11:40
Relinquished by		ARMANDO ALVAREZ (GPI)	5/28/20	14:35
Received by				
Relinquished by				
Received by		MAY 28 2020		1432

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0596-01) Collected: 29-May-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE02906	1.8	29-May-20	31-May-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE02906	1.8	29-May-20	31-May-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE03008	0.1	29-May-20	29-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE03005	0.05	30-May-20	30-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060596

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	05/29/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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MAY 29 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Aiyam (IPC)	05/29/20	12:40PM
Received by		Jaird Menjivar	5/29/20	12:40PM
Relinquished by		Jaird Menjivar	5/29/20	14:20
Received by				
Relinquished by				
Received in lab by		MAY 29 2020		1433

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: 05-Jun-20 15:49
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0607-01) Collected: 30-May-20 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AE03004	1.8	30-May-20	01-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE03004	1.8	30-May-20	01-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE03106	0.1	30-May-20	30-May-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE03105	0.05	31-May-20	31-May-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060607

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Mario Aguirre

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/30/20	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAY 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	5/30/20	10:15
Received by	Alex Walker Jr.	5/30/20	10:15
Relinquished by			
Received by			
Relinquished by			
Received by	MAY 30 2020		1321

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; S - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:52
Subject: (MCC) Daily EFF

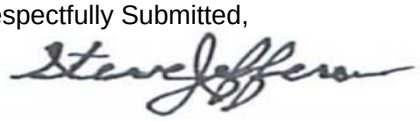
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20E0611-01) Collected: 31-May-20 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AE03104	1.8	31-May-20	02-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE03104	1.8	31-May-20	02-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00335	0.1	31-May-20	31-May-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00132	0.05	01-Jun-20	01-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0611

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
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	5/31/20	09:26	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	5/31/20	09:26
Received by	RM	PCL	5/31/20	1410
Relinquished by				
Received by				
Relinquished by				
Received in lab by	RM	PCL	5/31/2020	1559

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	

Rev 2 Effective 5/1/17

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:54
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0019-01) Collected: 01-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF00134	1.8	01-Jun-20	03-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00134	1.8	01-Jun-20	03-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00335	0.1	01-Jun-20	01-Jun-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00221	0.10	02-Jun-20	02-Jun-20	**1.2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0019

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/01/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cal)	06/01/20	1200
Received by	EG	Evan G (PCL)	6/1/20	1200
Relinquished by	EG	Carlos (PCL)	6.1.20	1405
Received by				
Relinquished by				
Received in lab by		JUN 01 2020		1513

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 05-Jun-20 15:56
Subject: (MCC) Daily EFF

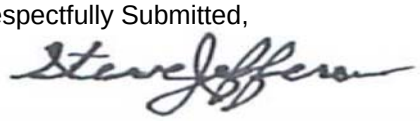
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0061-01) Collected: 02-Jun-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AF00230	1.8	02-Jun-20	04-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00230	1.8	02-Jun-20	04-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00335	0.1	02-Jun-20	02-Jun-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00334	0.05	03-Jun-20	03-Jun-20	**0.29 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20f0061

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/2/20	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name	(Company)	Date	Time
Relinquished by: Gk	Golan	IPC	6/2/20	11:45
Received by:	Jairo	Mensiver	6/2/20	12:30pm
Relinquished by:	Jairo	Mensiver	6/2/20	15:00
Received by:				
Relinquished by:				
Received in lab by:		JUN 02 2020		1437

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jun-20 15:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0104-01) Collected: 03-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF00333	1.8	03-Jun-20	05-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00333	1.8	03-Jun-20	05-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00350	0.1	03-Jun-20	03-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00348	0.05	03-Jun-20	03-Jun-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20f0104

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/03/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/03/20	12:40
Received by		Jairo Menjivar	6/3/20	12:40
Relinquished by		Jairo Menjivar	6/3/20	15:00
Received by				
Relinquished by				
Received in Lab:		JUN 03 2020		1431

Sample Received Checklist

Temperature upon receipt: 4°c
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jun-20 15:56
Subject: (MCC) Monthly EFF

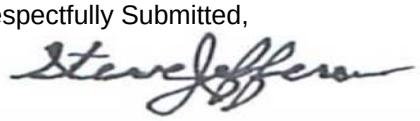
Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0108-01) Collected: 03-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AF00823	5	08-Jun-20	10-Jun-20	**972 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AF00822	25.0	08-Jun-20	08-Jun-20	**297 mg/l**	
Sulfate as SO4	EPA 300.0	AF00822	12.5	08-Jun-20	08-Jun-20	**256 mg/l**	
Boron	EPA 200.7	AF00503	0.10	05-Jun-20	08-Jun-20	**0.49 mg/l**	
Phosphorus, Total as P	EPA 365.3	AF00604	0.02	06-Jun-20	06-Jun-20	**0.39 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AF00351	0.20	03-Jun-20	04-Jun-20	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AF00821	5	08-Jun-20	08-Jun-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20f0/08

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/03/20	1215	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
JUN 03 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/03/20	12:40PM
Received by		Jairo Menjivar	6/3/20	12:40PM
Relinquished by		Jairo Menjivar	6/3/20	1500
Received by				
Relinquished by				
Received in Lab by		JUN 03 2020		1448

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jun-20 16:02
Subject: (MCC) Weekly EFF

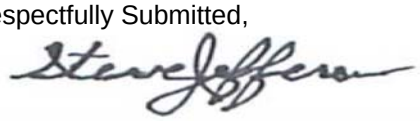
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0107-01) Collected: 03-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF00504	1	05-Jun-20	05-Jun-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF00434	0.10	04-Jun-20	04-Jun-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AF00423	0.02	04-Jun-20	04-Jun-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AF00423	0.02	04-Jun-20	04-Jun-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF00816	0.50	08-Jun-20	09-Jun-20	**3.24 mg/l**	
EFF (Sample I.D.# : 20F0107-02) Collected: 02-Jun-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF00432	2	04-Jun-20	09-Jun-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20f0187

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/03/20	115T	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	06/02/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUN 03 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/03/20	12:40pm
Received by		Jairo Mendivar	6/3/20	12:40pm
Relinquished by		Jairo Mendivar	6/3/20	1300
Received by				
Relinquished by				
Received by (Lab)		JUN 03 2020		1442

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: 15-Jun-20 16:05
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20F0106-01) Collected: 03-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF00504	1	05-Jun-20	05-Jun-20	**172 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF00432	2	04-Jun-20	09-Jun-20	**186 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0106

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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
INF	06/02/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUN 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/03/20	12:40PM
Received by		Jairo Menjivar	6/3/20	12:40PM
Relinquished by		Jairo Menjivar	6/3/20	
Received by				
Relinquished by				
Received by		JUN 03 2020		1439

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Jun-20 13:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0133-01) Collected: 04-Jun-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF00431	1.8	04-Jun-20	06-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00431	1.8	04-Jun-20	06-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00436	0.1	04-Jun-20	04-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00435	0.05	04-Jun-20	04-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0133

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/4/20	12:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 04 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	6/4/20	12:30
Received by: EG	Grant pat	6.4.20	1230
Relinquished by: EG	Grant pat	6.4.20	1400
Received by:			
Relinquished by:			
Received at Lab by:	JUN 04 2020		1505

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Jun-20 13:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0153-01) Collected: 05-Jun-20 By C. A.							
Microbiological							
Fecal Coliforms	SM 9221E	AF00506	1.8	05-Jun-20	07-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00506	1.8	05-Jun-20	07-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00607	0.1	05-Jun-20	05-Jun-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00609	0.05	06-Jun-20	06-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

2 of 2 0153

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : San (MCC) EFF - Daily

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	06/05/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.67/23.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUN 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/05/20	17:00
Received by		Armando Olmos (Pat-Chem)	6/5/20	12:03
Relinquished by		Armando Olmos (Pat-Chem)	6/5/20	14:20
Received by				
Relinquished by				
Received by		JUN 05 2020		1437

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
ON - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jun-20 15:41
Subject: (MCC) Daily EFF

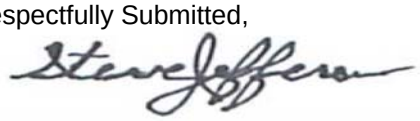
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0160-01) Collected: 06-Jun-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AF00606	1.8	06-Jun-20	09-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00606	1.8	06-Jun-20	09-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF00723	0.1	06-Jun-20	06-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00722	0.05	07-Jun-20	07-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0160

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily M.A.	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/6/20	9:41	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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JUN 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	6/6/20	1200
Received by	Alex Walk Jr	6/6/20	1200
Relinquished by	Alex Walk Jr	6/6/20	1405
Received by			
Relinquished by			
Received by	JUN 06 2020		1405

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 15-Jun-20 15:43
Subject: (MCC) Daily EFF

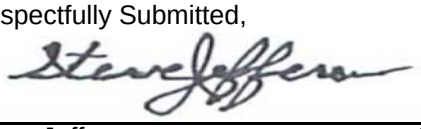
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0164-01) Collected: 07-Jun-20 By Rem of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AF00721	1.8	07-Jun-20	09-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00721	1.8	07-Jun-20	09-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01034	0.1	07-Jun-20	07-Jun-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00817	0.05	08-Jun-20	08-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0164

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	6/7/20	10:29	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		VICTOR ARIKIAN (IPC)	6/7/20	10:29
Received by				
Relinquished by				
Received by		RM PCL	6/7/20	1437
Relinquished by				
Received in lab by		RM PCL	6/7/2020	1710

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid 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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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-Jun-20 15:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0178-01) Collected: 08-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF00828	1.8	08-Jun-20	10-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00828	1.8	08-Jun-20	10-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01034	0.1	08-Jun-20	08-Jun-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF00940	0.05	09-Jun-20	09-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0178

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/08/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.70/25.2°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	06/08/20	1135
Received by	Armando Cruz (Patchem)	6/8/20	1135
Relinquished by	Armando Cruz (Patchem)	6/8/2020	1510
Received by			
Relinquished by			
Received by	JUN 08 2020		1417

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: 15-Jun-20 15:48
Subject: (MCC) Daily EFF

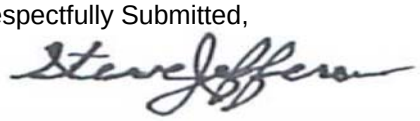
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0197-01) Collected: 09-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF00937	1.8	09-Jun-20	11-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF00937	1.8	09-Jun-20	11-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01034	0.1	09-Jun-20	09-Jun-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01032	0.05	10-Jun-20	10-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0197

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** C. Ca...	**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	06/09/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.71/20.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Ca...	Carlos Rivera (IPC)	6/09/20	12:00
Received by		Armando Chavez (Pats)	6/9/20	12:00
Relinquished by		Armando Chavez (Pats)	6/9/20	14:20
Received by				
Relinquished by				
Received by		JUN 09 2020		1423

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
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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: 15-Jun-20 15:50
Subject: (MCC) Daily EFF

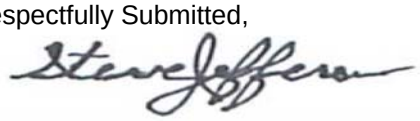
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0246-01) Collected: 10-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF01030	1.8	10-Jun-20	12-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01030	1.8	10-Jun-20	12-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01139	0.1	10-Jun-20	10-Jun-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01046	0.05	10-Jun-20	10-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0246

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/10/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.75/16.9°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/10/20	17:30
Received by		Armando Cruz (GTEL)	6/10/20	12:30
Relinquished by		Armando Cruz (GTEL)	6/10/20	17:35
Received by				
Relinquished by				
Received by		JUN 10 2020		1451

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
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: 22-Jun-20 15:42
Subject: (MCC) Weekly EFF

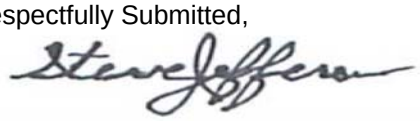
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0250-01) Collected: 10-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF01136	1	11-Jun-20	11-Jun-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF01205	0.10	12-Jun-20	12-Jun-20	**0.18 mg/l**	
Nitrate as N	EPA 353.2	AF01143	0.02	11-Jun-20	11-Jun-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AF01143	0.02	11-Jun-20	11-Jun-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF01135	0.10	11-Jun-20	12-Jun-20	**0.51 mg/l**	
EFF (Sample I.D.# : 20F0250-02) Collected: 09-Jun-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF01137	2	11-Jun-20	16-Jun-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0250

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/10/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.75 / 26.8
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	06/09/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUN 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/10/20	17:30
Received by		Hermoso Courier	6/10/20	17:30
Relinquished by		Hermoso Courier	6/11/20	11:35
Received by				
Relinquished by				
Received in lab by		JUN 10 2020		1502

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: 22-Jun-20 15:46
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20F0249-01) Collected: 10-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF01136	1	11-Jun-20	11-Jun-20	**211 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF01137	2	11-Jun-20	16-Jun-20	**210 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0249

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	06/09/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.41 / 20.5°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUN 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/10/20	1230
Received by		Armando Olmos (Pat-Chem)	6/10/20	1230
Relinquished by		Armando Olmos (Pat-Chem)	6/10/20	1435
Received by				
Relinquished by				
Received in lab by		JUN 10 2020		1500

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
(Comp)

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jun-20 15:53
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0266-01) Collected: 11-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF01138	1.8	11-Jun-20	13-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01138	1.8	11-Jun-20	13-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01210	0.1	11-Jun-20	11-Jun-20	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01209	0.05	12-Jun-20	12-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0266

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/11/20	1025	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.02/14.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUN 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/11/20	11:45
Received by		Hermanos Cano (Pat-Chem)	6/11/20	11:45
Relinquished by		Hermanos Cano (Pat-Chem)	6/11/20	13:30
Received by				
Relinquished by				
Received by		JUN 11 2020		1152

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: 22-Jun-20 15:16
Subject: (MCC) Daily EFF

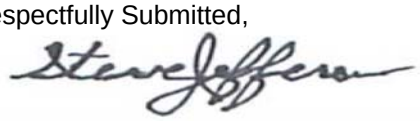
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0284-01) Collected: 12-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF01208	1.8	12-Jun-20	14-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01208	1.8	12-Jun-20	14-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01218	0.1	12-Jun-20	12-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01304	0.05	13-Jun-20	13-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0284

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
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	06/12/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (CPL)	06/12/20	12:05
Received by	Juan Vasquez	Juan Vasquez (PCL)	6/12/20	12:05
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	6/12/20	13:00
Received by				
Relinquished by				
Received by	Alex Valdez Jr.	JUN 12 2020		1300

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type	Preservations
(Grab) Comp	(AQ) - Water SO -Soil / Sludge OT - Other	(P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH (ST) - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

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: 22-Jun-20 15:19
Subject: (MCC) Daily EFF

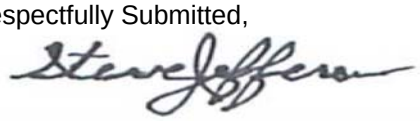
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0301-01) Collected: 13-Jun-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AF01305	1.8	13-Jun-20	16-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01305	1.8	13-Jun-20	16-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01309	0.1	13-Jun-20	13-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01306	0.05	13-Jun-20	13-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2050301

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/13/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	6/13/20	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/13/20	11:00AM
Received by		Jairo Menjivar	6/13/20	11:00AM
Relinquished by		Jairo Menjivar	6/13/20	12:00PM
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	6/13/20	1200

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 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	

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: 22-Jun-20 15:25
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0306-01) Collected: 14-Jun-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AF01418	1.8	14-Jun-20	16-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01418	1.8	14-Jun-20	16-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01729	0.1	14-Jun-20	14-Jun-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01629	0.05	15-Jun-20	15-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0306

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	6/14/20	09:29	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	6/14/20	09:29
Received by	Alex Walker Jr	6/14/20	12:00
Relinquished by	Alex Walker Jr	6/14/20	1500
Received by			
Relinquished by			
Received in lab by	(PCL)	6/14/20	1602

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Jun-20 15:28
Subject: (MCC) Daily EFF

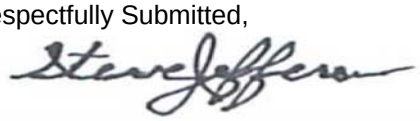
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0315-01) Collected: 15-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF01536	1.8	15-Jun-20	17-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01536	1.8	15-Jun-20	17-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01729	0.1	15-Jun-20	15-Jun-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01629	0.05	16-Jun-20	16-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: ZWF0315

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	06/15/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.76/22.1 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 15 2020
By

RECEIVED
JUN 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivera (IPC)	06/15/20	12:55
Received by		ACHIEVES OVERNIGHT	6/15/20	12:55
Relinquished by		ACHIEVES OVERNIGHT	6/15/20	14:35
Received by				
Relinquished by				
Received in lab		JUN 15 2020		1344

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: 22-Jun-20 15:31
Subject: (MCC) Daily EFF

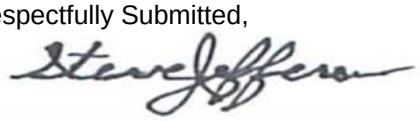
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0355-01) Collected: 16-Jun-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AF01630	1.8	16-Jun-20	18-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01630	1.8	16-Jun-20	18-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01729	0.1	16-Jun-20	16-Jun-20	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01728	0.05	17-Jun-20	17-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0355

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	6/16/20	12:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.72/13.4°C
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	6/16/20	12:10
Received by	Hemmerson Courier (Driver)	6/16/20	13:20
Relinquished by	Hemmerson Courier	6/16/20	15:00
Received by			
Relinquished by			
Received by	JUN 16 2020		1341

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: (G) Grab, Comp
Matrix: (A) - Water, SO -Soil / Sludge, OT - Other
Bottle Type: (P) Plastic, G - Amber Glass, VOA - 40 ml Vial, (C) - 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: 24-Jun-20 15:19
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20F0385-01) Collected: 16-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF01831	1	18-Jun-20	18-Jun-20	**140 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF01836	2	18-Jun-20	23-Jun-20	**338 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/24/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0385

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	06/16/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.39 / 18.7°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUN 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPE)	06/17/20	13:35
Received by		Armando Alva (IPC)	6/17/20	13:35
Relinquished by		Armando Alva (IPC)	6/17/20	15:10
Received by				
Relinquished by				
Received by		JUN 17 2020		1512

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Jun-20 15:34
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0388-01) Collected: 17-Jun-20 By VA							
Microbiological							
Fecal Coliforms	SM 9221E	AF01726	1.8	17-Jun-20	19-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01726	1.8	17-Jun-20	19-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01834	0.1	17-Jun-20	17-Jun-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01833	0.05	18-Jun-20	18-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0388

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	06/17/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.40 / 24.3°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez Cabral	06/17/20	17:35
Received by		Armando Olvera Cabral	6/17/20	17:35
Relinquished by		Armando Olvera Cabral	6/17/20	15:10
Received by				
Relinquished by				
Received by		JUN 17 2020		1517

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? Yes (No)
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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: 24-Jun-20 15:13
Subject: (MCC) Weekly EFF

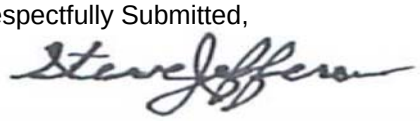
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0384-01) Collected: 17-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF01831	1	18-Jun-20	18-Jun-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF01830	0.10	18-Jun-20	18-Jun-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AF01828	0.02	18-Jun-20	18-Jun-20	**<0.02 mg/l**	
Nitrite as N	EPA 353.2	AF01828	0.02	18-Jun-20	18-Jun-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF02223	0.10	22-Jun-20	23-Jun-20	**1.05 mg/l**	
EFF (Sample I.D.# : 20F0384-02) Collected: 16-Jun-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF01836	2	18-Jun-20	23-Jun-20	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/24/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0384

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/16/20	1145	1	TSS	Grab	AQ	1L P	4°C	7.40/20.7°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	06/16/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUN 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Cates Alvarez (IPC)	06/17/20	13:35
Received by		[illegible] (Pat-Chem)	6/17/20	13:35
Relinquished by		[illegible] (Pat-Chem)	6/17/20	15:08
Received by				
Relinquished by				
Received in lab by		JUN 17 2020		1508

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
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Jun-20 15:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0419-01) Collected: 18-Jun-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF01832	1.8	18-Jun-20	20-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01832	1.8	18-Jun-20	20-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF01908	0.1	18-Jun-20	18-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01906	0.05	19-Jun-20	19-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0419

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Golan Kfir	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/18/20	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	6/18/20	11:46
Received by: Juan Vasquez	Juan Vasquez (PCL)	6/18/20	11:46
Relinquished by: Juan Vasquez	Juan Vasquez (PCL)	6/18/20	13:30
Received by:			
Relinquished by:			
Received by:	JUN 18 2020		1415

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Jun-20 15:38
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0446-01) Collected: 19-Jun-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF01905	1.8	19-Jun-20	21-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF01905	1.8	19-Jun-20	21-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02006	0.1	19-Jun-20	19-Jun-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF01917	0.05	19-Jun-20	19-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/22/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20FO446

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/19/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51 / 25.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ZPE)	06/19/20	11:40
Received by		Francisco Cervantes (ZPE)	6/19/20	11:40
Relinquished by		Francisco Cervantes (ZPE)	6/19/20	1240
Received by				
Relinquished by				
Received in Lab		JUN 19 2020		1333

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) Water	P - Plastic
	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Jun-20 12:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0462-01) Collected: 20-Jun-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AF02005	1.8	20-Jun-20	22-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02005	1.8	20-Jun-20	22-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02122	0.1	20-Jun-20	20-Jun-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02120	0.05	21-Jun-20	21-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 6/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0462-

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/20/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 20 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/20/20	11:00
Received by		Jairo Mendivar	6/20/20	11:00
Relinquished by		Jairo Mendivar	6/20/20	12:05
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	6/20/20	1205

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: 23-Jun-20 13:02
Subject: (MCC) Daily EFF

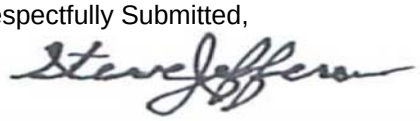
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0467-01) Collected: 21-Jun-20 By Victor Arikian							
Microbiological							
Fecal Coliforms	SM 9221E	AF02121	1.8	21-Jun-20	23-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02121	1.8	21-Jun-20	23-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02122	0.1	21-Jun-20	21-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02120	0.05	21-Jun-20	21-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0467

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	6/21/20	08:37	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 21 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (IPC)	6/21/20	08:37
Received by	Alex Walkan Jr	6/21/20	09:30
Relinquished by	Alex Walkan JR	6/21/20	10:15
Received by			
Relinquished by			
Received by	JUN 21 2020		09:32

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 24-Jun-20 15:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0480-01) Collected: 22-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF02230	1.8	22-Jun-20	24-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02230	1.8	22-Jun-20	24-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02429	0.1	22-Jun-20	22-Jun-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02319	0.05	23-Jun-20	23-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/24/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0480

IPC - Integrated Performance Consultants, Inc.
(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #:	
	Report Attention:	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	06/22/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.55 / 24.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUN 22 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	06/22/20	11:45
Received by		[illegible]	6/22/20	11:45
Relinquished by		[illegible]	6/22/20	14:00
Received by				
Relinquished by				
Received in lab		JUN 22 2020		1501

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: 29-Jun-20 16:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0495-01) Collected: 23-Jun-20 By Victor Arikian							
Microbiological							
Fecal Coliforms	SM 9221E	AF02329	1.8	23-Jun-20	25-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02329	1.8	23-Jun-20	25-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02429	0.1	23-Jun-20	23-Jun-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02430	0.05	24-Jun-20	24-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0495

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: VICTOR ARSKIAN	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	6/23/20	11:17	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.43 / 22.6°C
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 23 2020
By

RECEIVED
JUN 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARSKIAN (IPC)	6/23/20	11:17
Received by	Fernando Olmos (PCL)	6/23/20	12:00
Relinquished by	Fernando Olmos (PCL)	6/23/20	14:46
Received by			
Relinquished by			
Received in lab by	JUN 23 2020		1342

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: 14-Jul-20 15:27
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20F0514-01) Collected: 23-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF02532	1	25-Jun-20	25-Jun-20	**176 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF02539	2	25-Jun-20	30-Jun-20	**316 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0514

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) INF - Weekly	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	06/23/20	0000	1	TSS	Comp	AQ	1L P	4°C	6.98/17.1°C
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/24/20	1220
Received by		Armando Diaz (IPC)	6/24/20	1220
Relinquished by		Armando Diaz (IPC)	6/24/20	1445
Received by	EG	Guard	pc	6.24.20 1500
Relinquished by				
Received in lab by	EG		pc	6.24.20 1500

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water; SO - Soil / Sludge; OT - Other
Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Jun-20 16:04
Subject: (MCC) Daily EFF

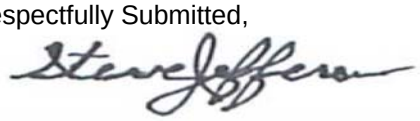
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0516-01) Collected: 24-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF02428	1.8	24-Jun-20	26-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02428	1.8	24-Jun-20	26-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02440	0.1	24-Jun-20	24-Jun-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02441	0.05	24-Jun-20	24-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 6/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0516

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	06/24/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.20/24.8 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (APC)	06/24/20	12:20
Received by		Alejandro Chavez (APC)	6/24/20	12:20
Relinquished by		Alejandro Chavez (APC)	6/24/20	14:45
Received by				
Relinquished by				
Received by		JUN 24 2020		14:45

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
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: 14-Jul-20 15:25
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0515-01) Collected: 24-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF02532	1	25-Jun-20	25-Jun-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF02913	0.10	29-Jun-20	29-Jun-20	**0.23 mg/l**	
Nitrate as N	EPA 353.2	AF02531	0.02	25-Jun-20	25-Jun-20	**0.23 mg/l**	
Nitrite as N	EPA 353.2	AF02531	0.02	25-Jun-20	25-Jun-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF02912	0.10	29-Jun-20	30-Jun-20	**0.77 mg/l**	
EFF (Sample I.D.# : 20F0515-02) Collected: 23-Jun-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF02539	2	25-Jun-20	30-Jun-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0515

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/24/20	1155	1	TSS	Grab	AQ	1L P	4°C	7.30/24.2°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	06/23/20	0000	1	BOD	Comp	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/24/20	12:20
Received by		[illegible]	6/24/20	12:20
Relinquished by		[illegible]	6/24/20	14:45
Received by	EG	Evan G. pcl	6.24.20	1505
Relinquished by				
Received in lab by	EG	[illegible] pcl	6.24.20	1505

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jul-20 15:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0548-01) Collected: 25-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF02536	1.8	25-Jun-20	27-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02536	1.8	25-Jun-20	27-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02540	0.1	25-Jun-20	25-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02541	0.05	25-Jun-20	25-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0548

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C. Vardel

Report Attention: Rio 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	06/25/20	1255	1	1 pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	1 Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Vardel	Carlos Alvarez (IPC)	06/25/20	1320
Received by	EB	Eva G. (PCL)	6/25/20	1300
Relinquished by	EB	Eva G. (PCL)	6/25/20	1400
Received by				
Relinquished by				
Received by		JUN 25 2020		1432

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Col) - 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: 14-Jul-20 15:14
Subject: (MCC) Daily EFF

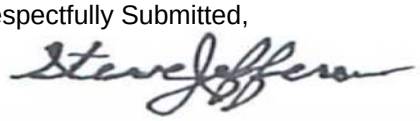
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0567-01) Collected: 26-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF02609	1.8	26-Jun-20	28-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02609	1.8	26-Jun-20	28-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02706	0.1	26-Jun-20	26-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02614	0.05	26-Jun-20	26-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0567

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/26/20	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.95 / 22.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivera (Apex)	06/26/20	17:10
Received by		[illegible]	6/26/20	17:10
Relinquished by		[illegible]	6/26/20	17:10
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/26/20	1310

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jul-20 15:16
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0574-01) Collected: 27-Jun-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AF02705	1.8	27-Jun-20	30-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02705	1.8	27-Jun-20	30-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02710	0.1	27-Jun-20	27-Jun-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02820	0.05	28-Jun-20	28-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0574

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/27/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 27 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/27/20	11:30am
Received by		Jairo Meniver	6/27/20	11:30am
Relinquished by		Jairo Meniver	6/27/20	12:20pm
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	6/27/20	1220

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: 14-Jul-20 15:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0579-01) Collected: 28-Jun-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AF02819	1.8	28-Jun-20	30-Jun-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02819	1.8	28-Jun-20	30-Jun-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF02823	0.1	28-Jun-20	28-Jun-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF02822	0.05	28-Jun-20	28-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0579

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	6/28/20	09:54	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR AREKIAN (EPL)	6/28/20	09:54
Received by	RM PCL	6/28/20	1115
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	6/28/20	1319

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jul-20 15:20
Subject: (MCC) Daily EFF

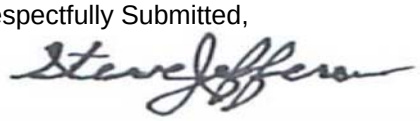
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0591-01) Collected: 29-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF02914	1.8	29-Jun-20	01-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF02914	1.8	29-Jun-20	01-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00116	0.1	29-Jun-20	29-Jun-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF03030	0.05	30-Jun-20	30-Jun-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0591

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/29/20	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUN 29 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (SDC)	06/29/20	12:23
Received by		Juan Vasquez (PCL)	6/29/20	12:23
Relinquished by		Juan Vasquez (PCL)	6/29/20	13:12
Received by				
Relinquished by				
Received by		JUN 29 2020		1323

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(G) Grab
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
ON - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jul-20 15:22
Subject: (MCC) Daily EFF

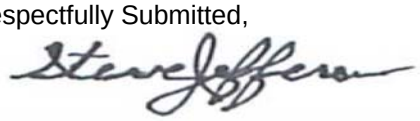
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20F0614-01) Collected: 30-Jun-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF03033	1.8	30-Jun-20	02-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF03033	1.8	30-Jun-20	02-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00116	0.1	30-Jun-20	30-Jun-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00118	0.05	01-Jul-20	01-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0614

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C. D.

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/30/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUN 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: C. D.	Carlos Alvarez (SPC)	06/30/20	12:11
Received by: Juan Vasquez	Juan Vasquez (PCL)	6/30/20	12:11
Relinquished by: Juan Vasquez	Juan Vasquez (PCL)	6/30/20	13:24
Received by:			
Relinquished by:			
Received in lab by: A. Hernandez Jr.	JUN 30 2020		1400

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
(OH) - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Jul-20 16:10
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20G0030-01) Collected: 30-Jun-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG00224	1	02-Jul-20	02-Jul-20	**191 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG00223	2	02-Jul-20	07-Jul-20	**355 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0030

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	C. Alvarez
	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
INF	06/30/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.33 / 17.8
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 01 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/01/20	12:10
Received by		[illegible]	7/1/20	12:10
Relinquished by		[illegible]	7/1/20	14:20
Received by				
Relinquished by				
Received at lab by		JUL 01 2020		1503

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: 26-Jul-20 17:16
Subject: (MCC) Daily EFF

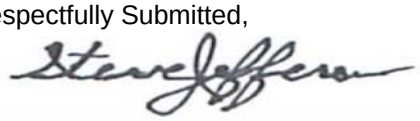
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0024-01) Collected: 01-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00115	1.8	01-Jul-20	03-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00115	1.8	01-Jul-20	03-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00127	0.1	01-Jul-20	01-Jul-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00126	0.05	01-Jul-20	01-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20600024

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	07/01/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.24 / 25.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUL 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos (Water Care)	07/01/20	1240
Received by		[illegible]	7/1/20	1240
Relinquished by		[illegible]	7/1/20	1410
Received by				
Relinquished by				
Received by		JUL 01 2020		1441

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
ON - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Jul-20 16:04
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0031-01) Collected: 01-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG00224	1	02-Jul-20	02-Jul-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG00630	0.10	06-Jul-20	06-Jul-20	**0.62 mg/l**	
Nitrate as N	EPA 353.2	AG00220	0.10	02-Jul-20	02-Jul-20	**2.16 mg/l**	
Nitrite as N	EPA 353.2	AG00220	0.02	02-Jul-20	02-Jul-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG00627	0.50	06-Jul-20	07-Jul-20	**1.21 mg/l**	
EFF (Sample I.D.# : 20G0031-02) Collected: 30-Jun-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG00223	2	02-Jul-20	07-Jul-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0031

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	07/01/20	1140	1	TSS	Grab	AQ	1L P	4°C	7.26/25.1°C
	↑	↑	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	06/30/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/01/20	12:10
Received by		[illegible]	7/1/20	1240
Relinquished by		[illegible]	7/1/20	1420
Received by				
Relinquished by				
Received for Lab by		JUL 01 2020		1507

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: 26-Jul-20 17:22
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0052-01) Collected: 02-Jul-20 By Victor Arikian of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00225	1.8	02-Jul-20	04-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00225	1.8	02-Jul-20	04-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00306	0.1	02-Jul-20	02-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00307	0.05	03-Jul-20	03-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060052

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: VICTOR APIKIAN	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	7/2/20	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5 / 12.1°C
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR APIKIAN (IPC)	7/2/20	12:15
Received by	[illegible]	7/2/20	12:20
Relinquished by	[illegible]	7/2/20	14:50
Received by			
Relinquished by			
Received in lab by	JUL 02 2020		1352

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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-Jul-20 17:26
Subject: (MCC) Daily EFF

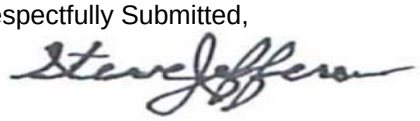
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0073-01) Collected: 03-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00303	1.8	03-Jul-20	05-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00303	1.8	03-Jul-20	05-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00406	0.1	03-Jul-20	03-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00309	0.05	03-Jul-20	03-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0073

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/03/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

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JUL 04 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Golan Kfir (IPC)	07/03/20	10:08
Received by		Jairo Monjivar	7/3/20	10:08
Relinquished by		Jairo Monjivar	7/3/20	11:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	7/3/20	11:30

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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Jul-20 15:59
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0074-01) Collected: 03-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AG00629	5	06-Jul-20	07-Jul-20	**952 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AG00828	20.0	08-Jul-20	08-Jul-20	**303 mg/l**	
Sulfate as SO4	EPA 300.0	AG00828	10.0	08-Jul-20	08-Jul-20	**198 mg/l**	
Boron	EPA 200.7	AG00624	0.10	06-Jul-20	07-Jul-20	**0.25 mg/l**	
Phosphorus, Total as P	EPA 365.3	AG01221	0.02	12-Jul-20	12-Jul-20	**1.80 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AG00506	0.05	05-Jul-20	05-Jul-20	**0.07 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AG00918	5	09-Jul-20	11-Jul-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20600374

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/03/20	1150	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCH									
Global ID: WDR100000359									

RECEIVED
JUL 04 2020
By JC

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	07/03/20	1205
Received by	Jairo Mendivar	7/4/20	10:08
Relinquished by	Jairo Mendivar	7/4/20	1130
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/4/20	11:30

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: 26-Jul-20 17:30
Subject: (MCC) Daily EFF

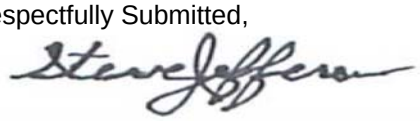
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0077-01) Collected: 04-Jul-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00405	1.8	04-Jul-20	06-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00405	1.8	04-Jul-20	06-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00406	0.1	04-Jul-20	04-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00407	0.05	04-Jul-20	04-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20600077

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/4/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:45	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 04 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	7/4/20	10:08
Received by	Jairo Menjivar	7/4/20	10:08
Relinquished by	Jairo Menjivar	7/4/20	1130
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/4/20	1130

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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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-Jul-20 17:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0080-01) Collected: 05-Jul-20 By Victor Arikian							
Microbiological							
Fecal Coliforms	SM 9221E	AG00505	1.8	05-Jul-20	07-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00505	1.8	05-Jul-20	07-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00507	0.1	05-Jul-20	05-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00631	0.05	06-Jul-20	06-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0080

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	7/5/20	09:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 05 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	VICTOR ARIKIAN (FPL)	7/5/20	09:55
Received by	Alex Walk Jr	7/5/20	12:00
Relinquished by	Alex Walk Jr	7/5/20	1400
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/5/20	1400

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(G) Grab
Comp

Matrix
(W) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(C) - 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: 26-Jul-20 17:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0091-01) Collected: 06-Jul-20 By Victor Arikian							
Microbiological							
Fecal Coliforms	SM 9221E	AG00632	1.8	06-Jul-20	08-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00632	1.8	06-Jul-20	08-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00824	0.1	06-Jul-20	06-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00724	0.05	07-Jul-20	07-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060091

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Kyle 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	7/6/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.65 / 27.9°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	7/6/20	12:45
Received by		[illegible]	7/6/20	12:45
Relinquished by		[illegible]	7/6/20	13:20
Received by				
Relinquished by				
Received by		JUL 06 2020		1346

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: 26-Jul-20 17:40
Subject: (MCC) Daily EFF

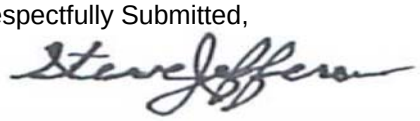
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0127-01) Collected: 07-Jul-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00725	1.8	07-Jul-20	09-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00725	1.8	07-Jul-20	09-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00824	0.1	07-Jul-20	07-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00825	0.05	08-Jul-20	08-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0127

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Daily
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	7/7/20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 07 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/7/20	13:10
Received by: Juan Vasquez	Juan Vasquez (PCL)	7/7/20	13:10
Relinquished by: Juan Vasquez	Juan Vasquez (PCL)	7/7/20	14:50
Received by:			
Relinquished by:			
Received by:	JUL 07 2020		1439

Sample Received Checklist
Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water, SO - Soil / Sludge, OT - Other
Bottle Type: (P) - Plastic, G - Amber Glass, VOA - 40 ml Vial, (Coli) - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, (ST) - Sodium Thiosulfate, AA - Ascorbic Acid, AI - $AlCl_3$, Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Jul-20 16:13
Subject: (MCC) Weekly INF

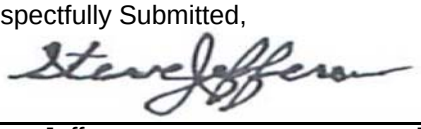
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20G0165-01) Collected: 07-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG00919	1	09-Jul-20	09-Jul-20	**244 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG00920	2	09-Jul-20	14-Jul-20	**207 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20 G0165

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/07/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/08/20	2:30
Received by		Jairo Manj. (IPC)	7/8/20	2:30
Relinquished by		Jairo Manjivar	7/8/20	16:00
Received by				
Relinquished by				
Received in lab		JUL 08 2020		1548

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

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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: 26-Jul-20 17:43
Subject: (MCC) Daily EFF

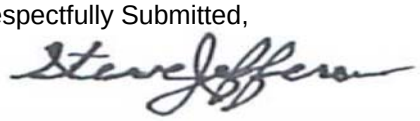
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0161-01) Collected: 08-Jul-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00823	1.8	08-Jul-20	10-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00823	1.8	08-Jul-20	10-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG00922	0.1	08-Jul-20	08-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00832	0.05	08-Jul-20	08-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060161

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project :
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	07/08/20	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CSL)	07/08/20	2:30
Received by		Jairo Manjivar	7/8/20	2:30
Relinquished by		Jairo Manjivar	7/8/20	16:00
Received by				1
Relinquished by				
Received by		JUL 08 2020		1533

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Sep-20 13:34
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0168-01) Collected: 08-Jul-20 By CA							
Physical Properties							
Total Alkalinity	SM 2320B	AG01531	1	15-Jul-20	15-Jul-20	**192 mg/l**	
Carbonate Alkalinity	SM 2320B	AG01531	1	15-Jul-20	15-Jul-20	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AG01531	1	15-Jul-20	15-Jul-20	**192 mg/l**	
Hydroxide Alkalinity	SM 2320B	AG01531	1	15-Jul-20	15-Jul-20	**<1 mg/l**	
Color	SM 2120 C	AG00833	5.0	08-Jul-20	09-Jul-20	**26.8 CU**	
Specific Conductance (EC)	SM 2510B	AG01540	0.1	15-Jul-20	15-Jul-20	**1630 uS/cm**	
Odor	SM 2150B	AG00924	1	09-Jul-20	09-Jul-20	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**<0.2 ug/l**	
Aluminum	EPA 200.8	AG00818	5.0	09-Jul-20	16-Jul-20	**25 ug/l**	
Fluoride	EPA 300.0	AG01222	0.10	12-Jul-20	12-Jul-20	**1.47 mg/l**	
Arsenic	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**1.6 ug/l**	
Barium	EPA 200.8	AG00818	0.5	09-Jul-20	16-Jul-20	**18 ug/l**	
Beryllium	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**<0.2 ug/l**	
Calcium	EPA 200.7	AG00915	0.05	09-Jul-20	13-Jul-20	**59.5 mg/l**	
Cadmium	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**5.3 ug/l**	
Copper	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**0.9 ug/l**	
Cyanide (total)	SM 4500-CN-E	AG00929	0.0050	09-Jul-20	10-Jul-20	**<0.0050 mg/l**	
Iron	EPA 200.7	AG00915	0.02	09-Jul-20	13-Jul-20	**0.03 mg/l**	
Mercury	EPA 245.1	AG00914	0.20	09-Jul-20	09-Jul-20	**<0.20 ug/l**	
Manganese	EPA 200.8	AG00818	0.5	09-Jul-20	16-Jul-20	**14 ug/l**	
Nickel	EPA 200.8	AG00818	0.5	09-Jul-20	16-Jul-20	**4.6 ug/l**	
Lead	EPA 200.8	AG00818	0.2	09-Jul-20	16-Jul-20	**<0.2 ug/l**	
pH	SM 4500H-B	AG00922	0.1	08-Jul-20	08-Jul-20	**7.7 pH Units**	A-01
Antimony	EPA 200.8	AG00818	1.0	09-Jul-20	16-Jul-20	**1.4 ug/l**	

Respectfully Submitted,

Steve Jefferson 9/21/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Sep-20 13:34
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0168-01) Collected: 08-Jul-20 By CA							
Inorganic Constituents							
Selenium	EPA 200.8	AG00818	2.0	09-Jul-20	16-Jul-20	**2.4 ug/l**	
Thallium	EPA 200.8	AG00818	1.0	09-Jul-20	16-Jul-20	**<1.0 ug/l**	
Uranium	EPA 200.8	AG00818	0.7	09-Jul-20	16-Jul-20	**0.9 pCi/L**	
Zinc	EPA 200.8	AG00818	1.0	09-Jul-20	16-Jul-20	**13 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AG00928	0.20	09-Jul-20	09-Jul-20	**0.28 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Styrene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Tetrachloroethylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	

Respectfully Submitted,

Steve Jefferson 9/21/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Sep-20 13:34
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0168-01) Collected: 08-Jul-20 By CA							
Volatile Organic Chemicals (VOCs)							
Toluene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**7.8 ug/l**	
Bromoform	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**<0.5 ug/l**	
Chloroform	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**10.7 ug/l**	
Dibromochloromethane	EPA 524.2	AG02029	0.5	20-Jul-20	21-Jul-20	**2.8 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AG02029		20-Jul-20	21-Jul-20	*94.4 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AG02029		20-Jul-20	21-Jul-20	*94.5 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AG02029		20-Jul-20	21-Jul-20	*102 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AG01421	1.0	20-Jul-20	03-Aug-20	**18.3 ug/l**	
Dichloroacetic Acid	EPA 552.2	AG01421	1.0	20-Jul-20	03-Aug-20	**11.9 ug/l**	
Trichloroacetic Acid	EPA 552.2	AG01421	1.0	20-Jul-20	03-Aug-20	**4.1 ug/l**	
Monobromoacetic Acid	EPA 552.2	AG01421	1.0	20-Jul-20	03-Aug-20	**2.3 ug/l**	
Dibromoacetic Acid	EPA 552.2	AG01421	1.0	20-Jul-20	03-Aug-20	**3.4 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AG01421		20-Jul-20	03-Aug-20	*80.1 % (60-140)*	
Bromate	EPA 300.0	AG02407	5.0	24-Jul-20	24-Jul-20	**<5.0 ug/l**	
Chlorite	EPA 300.0	AG02407	20.0	24-Jul-20	24-Jul-20	**<20.0 ug/l**	
Haloacetic Acids (HAA5)	[CALC]	[CALC]	5.00	20-Jul-20	03-Aug-20	**40.0 ug/l**	

Respectfully Submitted,



Steve Jefferson 9/21/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Sep-20 13:34
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0168-01) Collected: 08-Jul-20 By CA							
Disinfection Byproducts							
Total Trihalomethanes	[CALC]	[CALC]	2.00	20-Jul-20	21-Jul-20	**21.7 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AG02332	0.01	22-Jul-20	23-Jul-20	**<0.01 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AG02332	0.02	22-Jul-20	23-Jul-20	**<0.02 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AG01426	2.0	14-Jul-20	21-Jul-20	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AG01426	2.0	14-Jul-20	21-Jul-20	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AG01426		14-Jul-20	21-Jul-20	*74.2 % (50-120)*	
Alachlor	EPA 507	AG01622	0.2	16-Jul-20	24-Jul-20	**<0.2 ug/l**	
Atrazine	EPA 507	AG01622	0.2	16-Jul-20	24-Jul-20	**<0.2 ug/l**	
Molinate	EPA 507	AG01622	0.2	16-Jul-20	24-Jul-20	**<0.2 ug/l**	
Simazine	EPA 507	AG01622	0.2	16-Jul-20	24-Jul-20	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AG01622	0.2	16-Jul-20	24-Jul-20	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AG01622		16-Jul-20	24-Jul-20	*71.3 % (40-120)*	
Chlordane	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Endrin	EPA 508	AG01425	0.01	14-Jul-20	21-Jul-20	**<0.01 ug/l**	
Heptachlor	EPA 508	AG01425	0.01	14-Jul-20	21-Jul-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AG01425	0.01	14-Jul-20	21-Jul-20	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AG01425	0.01	14-Jul-20	21-Jul-20	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AG01425	0.01	14-Jul-20	21-Jul-20	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AG01425	0.01	14-Jul-20	21-Jul-20	**<0.01 ug/l**	
Methoxychlor	EPA 508	AG01425	0.05	14-Jul-20	21-Jul-20	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	

Respectfully Submitted,



Steve Jefferson 9/21/2020
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: 21-Sep-20 13:34
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0168-01) Collected: 08-Jul-20 By CA							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1254 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Total PCBs	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Toxaphene	EPA 508	AG01425	0.1	14-Jul-20	21-Jul-20	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AG01425		14-Jul-20	21-Jul-20	*50.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AG01425		14-Jul-20	21-Jul-20	*42.0 % (25-120)*	
Bentazon	EPA 515.1	AG02018	0.2	20-Jul-20	06-Aug-20	**<0.2 ug/l**	
2,4-D	EPA 515.1	AG02018	0.2	20-Jul-20	06-Aug-20	**<0.2 ug/l**	
Dalapon	EPA 515.1	AG02018	2.0	20-Jul-20	06-Aug-20	**<2.0 ug/l**	
Dinoseb	EPA 515.1	AG02018	0.2	20-Jul-20	06-Aug-20	**<0.2 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AG02018	0.2	20-Jul-20	06-Aug-20	**<0.2 ug/l**	
Picloram	EPA 515.1	AG02018	0.2	20-Jul-20	06-Aug-20	**<0.2 ug/l**	
2,4,5-TP	EPA 515.1	AG02018	0.2	20-Jul-20	06-Aug-20	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AG02018		20-Jul-20	06-Aug-20	*64.7 % (60-140)*	
Benzo (a) pyrene	EPA 550	AG01534	0.05	15-Jul-20	14-Aug-20	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AG01534		15-Jul-20	14-Aug-20	*60.5 % (45-120)*	
Carbofuran	EPA 632	AG01535	1.0	15-Jul-20	06-Aug-20	**<1.0 ug/l**	
Oxamyl	EPA 632	AG01535	2.0	15-Jul-20	06-Aug-20	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 632	AG01535		15-Jul-20	06-Aug-20	*84.3 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 9/21/2020
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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Attention: Ric Vardel
Report Date: 21-Sep-20 13:34
Subject: (MCC) Quarterly EFF

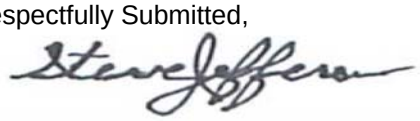
Project/P.O.#: (MCC) Quarterly EFF

Notes and Definitions

A-01 Langelier Index = -0.23, Non-Corrosive

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/21/2020
Laboratory Director

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

July 24, 2020 Ceres ID: 13719

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on July 16, 2020. 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 # 20G0168.

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
13719-001	IPC [MCC] EFF-Quarterly 20G0168-01	7/16/2020	7/8/2020	10:50

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 #:** 2213	**Date Received:** NA
	Matrix: Aqueous	**Date Extracted:** 7/17/2020
Project ID: 20G0168	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 7/20/2020

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.32	0.772	5.00		13C-2378-TCDD	82.2	31-137	
					CRS			
					37Cl4-2378-TCDD	77.4	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 #: 2213	**Date Extracted:** 7/17/2020
	Matrix: Aqueous	**ZB-5MS Analysis:** 7/20/2020
Project ID: 20G0168	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.00	7.3-14.6	13C-2378-TCDD	81.9	25-141
			CRS		
			37Cl4-2378-TCDD	73.8	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: IPC [MCC] EFF-Quarterly 20G0168-01		
Project ID: 20G0168	**Ceres Sample ID:** 13719-001	**Date Received:** 7/16/2020
	QC Batch #: 2213	**Date Extracted:** 7/17/2020
Date Collected: 7/8/2020	**Matrix:** Aqueous	**ZB-5MS Analysis:** 7/20/2020
Time Collected: 10:50	**Sample Size:** 0.932 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.80	0.772	5.36		13C-2378-TCDD	75.0	31-137	
					CRS			
					37Cl4-2378-TCDD	79.1	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**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

20G0168

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Ceres Analytical Laboratoy, Inc
4919 Windplay Dr. Suite 1
El Dorado Hills, CA 95762
Phone :(916) 932-5011
Fax: (888) 932-5011

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20G0168-01 Water	**Sampled: 08-Jul-20 10:50**			**IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613	23-Jul-20 12:00	15-Jul-20 10:50		
Containers Supplied:				
WASTEWATER				

Released By	Date	Received By	Date
[signature]	JUL 13 2020 12:00pm	[signature]	7/16/20 12:05
Released By	Date	Received By	Date

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OrderID: 322012387

SUBCONTRACT ORDER

Pat-Chem Laboratories

20G0168

#322012387

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

LA Testing
520 Mission St,
South Pasadena, CA 91030
Phone :(800) 303-0047
Fax:

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20G0168-01 Water	**Sampled: 08-Jul-20 10:50**			**IPC [MCC] EFF-Quarterly**
Asbestos Water	23-Jul-20 12:00	04-Jan-21 10:50		
Containers Supplied:				

Waste water

7.6°C

Released By	Date	Received By	Date
[signature]	JUL 09 2020 12:00pm	[signature]	07/13/2020 1600
Released By	Date	Received By	Date

Page 1 of 1

August 21, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2009161
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 9 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: Results for each sample submitted.
Quality Control	(4 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
20G0168-01	07/08/2020	07/13/2020	SP 2009161-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Organic QC

547	07/20/2020:211339 All analysis quality controls are within established criteria.
	07/20/2020:208331 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
548.1	07/21/2020:211455 All analysis quality controls are within established criteria.
	07/14/2020:208088 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549	07/14/2020:208090 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549.2	07/21/2020:211460 All analysis quality controls are within established criteria.

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 21, 2020 Lab ID : SP 2009161
Pat-Chem Laboratories Customer : 2-12670

Radio QC

900.0	08/14/2020:212895 All analysis quality controls are within established criteria.
	07/23/2020:208461 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	08/05/2020:212292 All analysis quality controls are within established criteria.
	07/23/2020:208520 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	07/31/2020:211998 All analysis quality controls are within established criteria.
	07/15/2020:208105 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
Ra - 05	08/12/2020:212926 All analysis quality controls are within established criteria.
	08/06/2020:208868 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Inorganic - Wet Chemistry QC

314.0	07/21/2020:211506 All analysis quality controls are within established criteria.
	07/21/2020:208439 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:CEA

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2020-08-21

August 21, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20G0168-01
Project : 20G0168

Lab ID : SP 2009161-001
Customer ID : 2-12670

Sampled On : July 8, 2020-10:50
Sampled By : Not Available
Received On : July 13, 2020-15:10
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	4	ug/L		314.0	07/21/20:208439	314.0	07/21/20:211506

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

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 21, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20G0168-01
Project : 20G0168

Lab ID : SP 2009161-001
Customer ID : 2-12670

Sampled On : July 8, 2020-10:50
Sampled By : Not Available
Received On : July 13, 2020-15:10
Matrix : Waste Water

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 547 Glyphosate	ND	20	ug/L		547	07/20/20:208331	547	07/20/20:211339
EPA 548.1 Endothall	ND	40	ug/L		548.1	07/14/20:208088	548.1	07/21/20:211455
EPA 549 Diquat	ND	4	ug/L		549	07/14/20:208090	549.2	07/21/20:211460

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

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853 Corporation Street
Santa Paula, CA 93060
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CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
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FAX: (209)942-0423
CA ELAP Certification No. 1563

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Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

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San Luis Obispo, CA 93401
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FAX: (805)783-2912
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Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 21, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20G0168-01
Project : 20G0168

Lab ID : SP 2009161-001
Customer ID : 2-12670

Sampled On : July 8, 2020-10:50
Sampled By : Not Available
Received On : July 13, 2020-15:10
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	8.65 ± 2.43	2.93	pCi/L	15/5	900.0	07/23/20-09:22 2P2008461	900.0	08/14/20-14:37 2A2012895
Gross Beta	4.99 ± 1.50	1.84	pCi/L	50	900.0	07/23/20-09:22 2P2008461	900.0	08/14/20-14:37 2A2012895
Total Alpha Radium (226)	0.101 ± 0.161	0.362	pCi/L	3	903.0	07/23/20-18:00 2P2008520	903.0	08/05/20-14:06 2A2012292
Tritium	118 ± 263	434	pCi/L	20000	906.0	07/15/20-08:30 2P2008105	906.0	07/31/20-09:55 2A2011998
Ra 228	0.000 ± 0.709	0.400	pCi/L	2	Ra - 05	08/06/20-18:00 2P2008868	Ra - 05	08/12/20-17:50 2A2012926

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
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FAX: (559)734-8435
CA ELAP Certification No. 2810

August 21, 2020 Lab ID : SP 2009161
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	07/21/20:208439MCA	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	111 %	85-115	
			MS	ug/L	25.00	88.6 %	80-120	
		(CC 2082224-001)	MSD	ug/L	25.00	91.5 %	80-120	
			MSRPD	ug/L	25.00	3.3%	≤15	
	314.0	07/21/20:211506MCA	CCB	ppb		1.69	2.0	
			CCV	ppb	10.00	107 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	108 %	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.

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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 21, 2020 Lab ID : SP 2009161
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Glyphosate	547	07/20/20:208331SG	Blank	ug/L		ND	<20	
			LCS	ug/L	200.0	90.9 %	71-129	
			MS	ug/L	200.0	111 %	56-139	
		(CH 2074281-001)	MSD	ug/L	200.0	105 %	56-139	
			MSRPD	ug/L	200.0	6.1%	≤15	
	547	07/20/20:211339SG	CCV	ug/L	200.0	91.7 %	80-120	
			CCV	ug/L	100.0	113 %	80-120	
Endothall	548.1	07/14/20:208088SG	Blank	ug/L		ND	<40	
			LCS	ug/L	83.33	43.8 %	22-76	
			MS	ug/L	83.33	36.6 %	15-87	
		(VI 2045139-001)	MSD	ug/L	83.33	48.4 %	15-87	
			MSRPD	ug/L	83.33	9.8	≤40	
	548.1	07/21/20:211455SG	CCV	ug/L	2500	90.4 %	70-130	
			CCV	ug/L	1000	90.9 %	70-130	
Diquat Dibromide	549	07/14/20:208090SG	Blank	ug/L		ND	<4	
			LCS	ug/L	20.00	86.5 %	10-114	
			MS	ug/L	20.00	95.5 %	0-104	
		(VI 2045139-001)	MSD	ug/L	20.00	77.9 %	0-104	
			MSRPD	ug/L	20.00	3.5	≤4	
	549.2	07/21/20:211460SG	CCV	ug/L	1000	88.2 %	80-120	
			CCV	ug/L	500.0	88.4 %	80-120	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

August 21, 2020 Lab ID : SP 2009161
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	08/14/20:212895JCA	CCV	cpm	7599	41.7 %	35-47	
			CCB	cpm		0.100	0.16	
Beta	900.0	08/14/20:212895JCA	CCV	cpm	7599	93.6 %	83-94	
			CCB	cpm		0.4000	0.58	
Gross Alpha	900.0	07/23/20:208461jca	Blank	pCi/L		1.01	3	
			LCS	pCi/L	155.2	78.3 %	75-125	
			MS	pCi/L	310.4	66.4 %	60-140	
		(SP 2009462-001)	MSD	pCi/L	310.4	69.0 %	60-140	
			MSRPD	pCi/L	310.4	3.7%	≤30	
Gross Beta	900.0	07/23/20:208461jca	Blank	pCi/L		0.39	4	
			LCS	pCi/L	25.92	160 %	84-160	
			MS	pCi/L	51.83	72.8 %	80-130	435
		(SP 2009462-001)	MSD	pCi/L	51.83	73.7 %	80-130	435
			MSRPD	pCi/L	310.4	1.1%	≤30	
Alpha	903.0	08/05/20:212292JCA	CCV	cpm	7947	39.6 %	37-46	
			CCB	cpm		0.0600	0.16	
Total Alpha Radium (226)	903.0	07/23/20:208520emv	RgBlk	pCi/L		0.12	2	
			LCS	pCi/L	23.32	57.9 %	52-107	
			BS	pCi/L	23.32	55.3 %	43-111	
			BSD	pCi/L	23.32	55.6 %	43-111	
			BSRPD	pCi/L	23.32	0.5%	≤35.5	
Tritium	906.0	07/15/20:208105jca	Blank	pCi/L		60	300	
			LCS	pCi/L	1668	102 %	75-125	
			BS	pCi/L	1668	99.9 %	75-125	
			BSD	pCi/L	1668	102 %	75-125	
			BSRPD	pCi/L	1668	1.8%	≤25	
	906.0	07/31/20:211998JCA	CCV	pCi/L	24240	106 %	90-110	
			CCB	pCi/L		35	500	
Beta	Ra - 05	08/12/20:212926emv	CCV	cpm	7942	89.6 %	84-94	
			CCB	cpm		0.4000	0.48	
Ra 228	Ra - 05	08/06/20:208868emv	RgBlk	pCi/L		0.03	3	
			LRS	pCi/L	12.96	74.2 %	65-108	
			BS	pCi/L	12.96	94.1 %	75-125	
			BSD	pCi/L	12.96	90.6 %	75-125	
			BSRPD	pCi/L	12.96	0.45	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Quality Control - Radio

Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

wastewater

SUBCONTRACT ORDER

Pat-Chem Laboratories

20G0168

20091601

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis		Due	Expires	Laboratory ID	Comments
Sample ID: 20G0168-01	**Water**	**Sampled: 08-Jul-20 10:50**			**IPC [MCC] EFF-Quarterly**
Tritium (Sub out)		23-Jul-20 12:00	10-Jul-20 10:50		
Sr-90 (Strontium 90)		23-Jul-20 12:00	04-Jan-21 10:50		
Radium 226 228		23-Jul-20 12:00	04-Jan-21 10:50		
Perchlorate 314.0		23-Jul-20 12:00	05-Aug-20 10:50		
Gross beta SUB		23-Jul-20 12:00	04-Jan-21 10:50		
Gross alpha SUB		23-Jul-20 12:00	04-Jan-21 10:50		
549 Diquat		23-Jul-20 12:00	15-Jul-20 10:50		
548.1 Endothall		23-Jul-20 12:00	15-Jul-20 10:50		
547 Glyphosate		23-Jul-20 12:00	22-Jul-20 10:50		
Containers Supplied:					

Released By	Date	Received By	Date
Released By	Date	Received By	Date

JUL 10 2020 15:40 PM

7/13/20

Cooler → CWC 7/13/2020 1510

5 C rush

September 25, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2009161

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-09-25

Enclosure

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T□□:□(626)□□□6-1100
□□x:□(□66)□□□□-□7□7
1□□00□□66□□□B□□(1□□00□□66□□227)

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STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	**Montana**	Cert 0035
Arizona	AZ0778	**Nebraska**	Certified
Arkansas	Certified	**Nevada**	CA000062018
California	2813	**New Hampshire ***	2959
Colorado	Certified	**New Jersey ***	CA 008
Connecticut	PH-0107	**New Mexico**	Certified
Delaware	CA 006	**New York ***	11320
Florida *	E871024	**North Carolina**	06701
Georgia	947	**North Dakota**	R-009
Guam	18-005R	**Oregon ***	CA200003-005
Hawaii	Certified	**Pennsylvania ***	68-565
Idaho	Certified	**Puerto Rico**	Certified
Illinois *	200033	**Rhode Island**	LAO00326
Indiana	C-CA-01	**South Carolina**	87016
Iowa - Asbestos	413	**South Dakota**	Certified
Kansas *	E-10268	**Tennessee**	TN02839
Kentucky	90107	**Texas ***	T104704230-18-15
Louisiana *	LA180000	**Utah (Primary AB) ***	CA00006
Maine	CA0006	**Vermont**	VT0114
Maryland	224	**Virginia ***	460260
Commonwealth of Northern Marianas Is.	MP0004	**Washington**	C838
Massachusetts	M-CA006	**EPA Region 5**	Certified
Michigan	9906	**Los Angeles County Sanitation Districts**	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 866-988-3757
www.EurofinsUS.com/Eaton

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/A2LA.
Refer to Certificate and scope of accreditation (5890) found at: https://www.eurofinsus.com/Eaton

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 200.8	x		x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EEA/Agilent 521.1 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Polutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

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Subcontract to
Eurofins Eaton Analytical, Inc.

088604

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2009161 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 250 ml(AGT)	Map Ref.
1	20G0168-01	07/08/20	10:50	G	WW				1	

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	8/20/20	17:30						
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GLS	2	1	[signature]	8/21/20	10:45			

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INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 200604

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 6184 (Observation= 23.3 °C) (Corr.Factor 0.2 °C) (Final = 23.1 °C)

TYPE OF ICE: Real ____ Synthetic ____ No Ice ✓ CONDITION OF ICE: Frozen ____ Partially Frozen ____ Thawed ____ N/A ✓

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: C-C

Compliance Acceptance Criteria:

1) **Chemistry:** >0, ≤ 6°C, not frozen (NELAP) (if received after 24 hrs of sample collection)

2) **Microbiology, Distribution:** < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) **Microbiology, Surface Water:** < 10°C (if received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)
3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

4 **Dioxin (1613 or 2,3,7,8 TCDD):** must be between 0-4 °C, not frozen (if received after 24 hrs of sample collection)

5) **pH Check.** Manufacturer: ____ Lot Number: ____ pH strip type: 0 - 14 or ____ Expiration Date ____ Results: ____

6) **Chlorine check.** Manufacturer: Sansafe. Lot No.: ____ Expiration Date: ____ Results ____

7) **VOA Headspace:** No Samples with Headspace: ☐ Samples with Headspace (see below): ☐

Headspace Documentation (use additional VOC Internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): ____

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:			Eurofins Eaton Analytical	8/21/20	10:45

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T: (626) 6-1100
x: (66) 9-7
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ANALYTICAL REPORT

Eurofins TestAmerica, St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

Laboratory Job ID: 160-39251-1
Laboratory Sample Delivery Group: 888604
Client Project/Site: Radiologicals in Drinking Water

For:
Eurofins Eaton Analytical
750 Royal Oaks Drive
Suite 100
Monrovia, California 91016

Attn: Subcontract Data

MichaKorrinhizer

Authorized for release by:
9/21/2020 3:58:14 PM
Micha Korrinhizer, Project Management Assistant II
(314)298-8566
Micha.Korrinhizer@Eurofinset.com

Designee for

Rhonda Ridenhower, Client Service Manager
(314)298-8566
Rhonda.Ridenhower@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Tracer Carrier Summary 13

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[redacted] Tube Amplification, Stool (continued)

The [redacted] mixed [redacted] prepared [redacted] with pH [redacted] SU. The [redacted] was [redacted] with [redacted] with [redacted] pH [redacted] 7 SU [redacted] 84 [redacted] (Table [redacted]). The [redacted] was prepared [redacted] pH [redacted].

STRONGYLOIDES (GFP)
Sample [redacted] 84 [redacted] was [redacted] Strongyloides [redacted] (GFP) [redacted] with Proteinase K. The [redacted] was prepared [redacted] and [redacted].

[redacted] mixed [redacted] was [redacted] prepared [redacted] with [redacted] was [redacted] 48 [redacted] 84 [redacted] (Table [redacted]). [redacted] mixed/[redacted] mixed prepared (LS/LS) was prepared [redacted] with [redacted].

No [redacted] was [redacted], [redacted] with [redacted] and [redacted] with [redacted]/G [redacted].

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Submittal Form

Date: 8/24/2020

*REPORTING REQUIRMENTS: *Do Not Combine Reports with any other samples submitted under different Folder Numbers!*
Report & Invoice must have the Folder # **888604** Job # **1000014**

Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report.
Results must have Complete data & QC with Approval Signature.

Ship To:
`TestAmerica St Louis
13715 Rider Trail North

Earth City, MO 63045

Phone: 314-298-8566 Fax: 314-298-8757

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: us20_subcontract@eurofinsus.com
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
Phone (626) 386-1165 Fax (626) 386-1122
Invoices to: Eurofins Eaton Analytical, LLC
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605

Provide in each Report the Specified StateCertification # and Exp Date for requested tests + matrix.

Samples from: **CALIFORNIA**

Folder #: 888604 **Report Due:** 09/21/2020

Sample ID	Client Sample ID for reference onl	Sample Date & Time	Matrix	PWS Systemcode	PWSID
202008210064	20G0168-01	07/08/20 1050	DW		JLS

Sample type: **Sample Event:** **Facility ID:** **Sample Point ID:** **Static ID:**

Method	Prep Method	Analysis Requested
EPA 905.0		Strontium-90 (sub)

160-39251 Chain of Custody

Relinquished by: _____ Sample Control FMELCHAUCZ Date 8-24-20 Time 1038

Received by: FED EX Date _____ Time _____

Relinquished by: FED EX Sample Control Date _____ Time _____

Received by: _____ Date 8/25/2020 Time 0950

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

	Answer	
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S[redacted]m[redacted]			[redacted].[redacted]	[redacted]7.4[redacted]		[redacted].8[redacted]	[redacted].[redacted]	[redacted].[redacted]	p[redacted]/L	[redacted]	7[redacted]

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L[redacted] ID[redacted] L[redacted]D[redacted]16[redacted]481326/2[redacted]A

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[redacted] B[redacted]c[redacted]481326

A[redacted]y[redacted]	[redacted]	[redacted]	[redacted]k[redacted] A[redacted]	L[redacted]D L[redacted]D	T[redacted]c[redacted] 2σ+/[redacted]	[redacted]L	[redacted]D[redacted]	U[redacted]	%[redacted]c	%[redacted]c. L[redacted]	[redacted]E[redacted]	L[redacted]
S[redacted]m[redacted]			[redacted].[redacted]	[redacted].[redacted]4	[redacted].7[redacted]	[redacted].[redacted]	[redacted].[redacted]4	p[redacted]/L	[redacted]	7[redacted]	[redacted].[redacted]	[redacted]

[redacted]	[redacted] [redacted]	[redacted] [redacted]	[redacted] [redacted]
[redacted]	[redacted]		[redacted] [redacted]
[redacted]	[redacted]		[redacted] [redacted]

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L□S□□□□48□□□□/□□□	L□□□□ □□□□□S□mp□	84.□	8□.□
L□S□ □□□□48□□□□/□□□	L□□□□ □□□□□S□mp□□□ p	7□.□	88.□
MB□□□□48□□□□/□□□□	M□h□dB□□k	77.□	8□.□

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S□□=S□□□ □□□□□

Y□=Y□□ □□□□□

wastewater

SUBCONTRACT ORDER

Pat-Chem Laboratories

20G0168

20091601

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis		Due	Expires	Laboratory ID	Comments
Sample ID: 20G0168-01	**Water**	**Sampled: 08-Jul-20 10:50**			**IPC [MCC] EFF-Quarterly**
Tritium (Sub out)		23-Jul-20 12:00	10-Jul-20 10:50		
Sr-90 (Strontium 90)		23-Jul-20 12:00	04-Jan-21 10:50		
Radium 226 228		23-Jul-20 12:00	04-Jan-21 10:50		
Perchlorate 314.0		23-Jul-20 12:00	05-Aug-20 10:50		
Gross beta SUB		23-Jul-20 12:00	04-Jan-21 10:50		
Gross alpha SUB		23-Jul-20 12:00	04-Jan-21 10:50		
549 Diquat		23-Jul-20 12:00	15-Jul-20 10:50		
548.1 Endothall		23-Jul-20 12:00	15-Jul-20 10:50		
547 Glyphosate		23-Jul-20 12:00	22-Jul-20 10:50		
Containers Supplied:					

Released By	Date	Received By	Date
Released By	Date	Received By	Date

JUL 10 2020 15:40 PM

7/13/20

Cooler → CWC 7/13/2020 1510

5 C rush

Subcontract to
Eurofins Eaton Analytical, Inc.

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2009161 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 250 ml(AGT)									
1	20G0168-01	07/08/20	10:50	G	WW				1									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0168

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) EFF - Quarterly
Page 1 of 2

Address: 9297 Research Drive
Irvine CA 92618
Sampled by: C.D.
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/08/20	1050	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JUL 08 2020

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.D.	Carlos Alvarez (IPC)	07/08/20	2:30
Received by		Jairo Mena (Mena Inv)	7/8/20	2:30
Relinquished by		Jairo Mena (Mena Inv)	7/8/20	1600
Received by				
Relinquished by				
Received by		JUL 08 2020		1559

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
(G) - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
(HN) - HNO_3
HP - H_3PO_4
(OH) - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Jul-20 16:07
Subject: (MCC) Weekly EFF

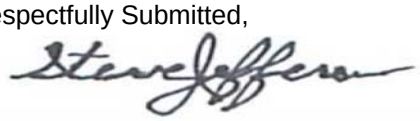
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0166-01) Collected: 08-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG00919	1	09-Jul-20	09-Jul-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG00931	0.10	09-Jul-20	10-Jul-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AG00917	0.02	09-Jul-20	09-Jul-20	**0.38 mg/l**	
Nitrite as N	EPA 353.2	AG00917	0.02	09-Jul-20	09-Jul-20	**0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG01323	0.10	13-Jul-20	13-Jul-20	**1.14 mg/l**	
EFF (Sample I.D.# : 20G0166-02) Collected: 07-Jul-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG00920	2	09-Jul-20	14-Jul-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060164

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/08/20	1030	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	07/07/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 08 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/08/20	2:30
Received by		Jairo Meraz	7/8/20	2:30
Relinquished by		Jairo Meraz	7/8/20	1600
Received by				
Relinquished by				
Received by		JUL 08 2020		1552

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: 26-Jul-20 17:46
Subject: (MCC) Daily EFF

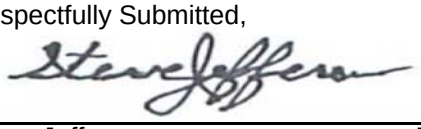
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0184-01) Collected: 09-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG00921	1.8	09-Jul-20	11-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG00921	1.8	09-Jul-20	11-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01010	0.1	09-Jul-20	09-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG00932	0.05	09-Jul-20	09-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0184

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	07/09/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56 / 25.0°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	07/09/20	12:10
Received by		Hermann Chrisostomo (Pat-Chem)	7/9/20	12:10
Relinquished by		Hermann Chrisostomo (Pat-Chem)	7/9/20	14:40
Received by				
Relinquished by				
Received by	A. Valdez Jr.	JUL 09 2020		1453

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
(G) Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH (ST) - Sodium Thiosulfate
Bottle Type (P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 26-Jul-20 17:51
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0206-01) Collected: 10-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01008	1.8	10-Jul-20	12-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01008	1.8	10-Jul-20	12-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01106	0.1	10-Jul-20	10-Jul-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01105	0.05	11-Jul-20	11-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/26/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0206

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/10/20	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.84 24.5°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 10 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/10/20	11:50
Received by			7/10/20	11:50
Relinquished by			7/10/20	12:40
Received by				
Relinquished by				
Received in lab by		JUL 10 2020		1349

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(C) Grab
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P)- Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli)- bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Jul-20 12:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0227-01) Collected: 11-Jul-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AG01104	1.8	11-Jul-20	14-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01104	1.8	11-Jul-20	14-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01227	0.1	11-Jul-20	11-Jul-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01220	0.05	12-Jul-20	12-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 200277

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Maria Aguirre	P.O. #:
		Report Attention: Ric Vardell / 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	7/11/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"		1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maria Aguirre (IPC)	7/11/20	11:30
Received by		Jairo Menjivar	7/11/20	11:30
Relinquished by		Jairo Menjivar	7/11/20	12:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkey	7/11/20	12:30

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

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-Jul-20 13:01
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0232-01) Collected: 12-Jul-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AG01219	1.8	12-Jul-20	14-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01219	1.8	12-Jul-20	14-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01227	0.1	12-Jul-20	12-Jul-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01228	0.05	12-Jul-20	12-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060232

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** Ben Jaskov	**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	07/12/2020	09:54	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
" "	" "	" "	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jaskov IPC	07/12/2020	09:58
Received by	Alex Walker Jr.	7/12/20	11:30
Relinquished by	Alex Walker Jr.	7/12/20	13 30
Received by			
Relinquished by			
Received in lab by	RM PCL	7/12/2020	1358

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **AI** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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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: 27-Jul-20 13:03
Subject: (MCC) Daily EFF

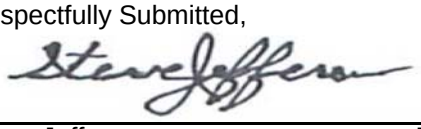
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0253-01) Collected: 13-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01329	1.8	13-Jul-20	15-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01329	1.8	13-Jul-20	15-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01536	0.1	13-Jul-20	13-Jul-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01331	0.05	13-Jul-20	13-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060253

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/13/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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JUL 13 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (IPC)	07/13/20	1120
Received by		Juan Vasquez (PCL)	7/13/20	12:20
Relinquished by		Juan Vasquez (PCL)	7/13/20	14:00
Received by				
Relinquished by				
Received by Lab by		JUL 13 2020		1533

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
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-Jul-20 13:05
Subject: (MCC) Daily EFF

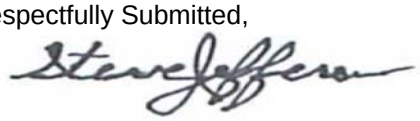
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0288-01) Collected: 14-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01424	1.8	14-Jul-20	16-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01424	1.8	14-Jul-20	16-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01536	0.1	14-Jul-20	14-Jul-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01537	0.05	15-Jul-20	15-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0288

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/14/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.37 / 25.5°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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JUL 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/14/20	1130
Received by		Fernando Contreras	7/14/20	12:45
Relinquished by		Fernando Contreras (Pat-Chem)	7/14/20	1305
Received by				
Relinquished by				
Received in lab by				1419

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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PAT-CHEM LABORATORIES
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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: 27-Jul-20 13:55
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20G0313-01) Collected: 14-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG01632	1	16-Jul-20	16-Jul-20	**218 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG01636	2	16-Jul-20	21-Jul-20	**308 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0313

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/14/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.20/20.5c
			1	BOD	Comp	AQ	1L P	4°C	
1	1	1							

RECEIVED
JUL 15 2020
By EG

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/15/20	1330
Received by		Armando Alvarez	7/15/20	13:55
Relinquished by		Armando Alvarez (Pat-Chem)	7/15/20	14:45
Received by				
Relinquished by				
Received in lab by	Evan G	Evan Garcia	7/15/20	1430

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Jul-20 13:07
Subject: (MCC) Daily EFF

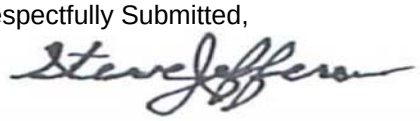
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0309-01) Collected: 15-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01530	1.8	15-Jul-20	17-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01530	1.8	15-Jul-20	17-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01628	0.1	15-Jul-20	15-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01627	0.05	16-Jul-20	16-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060309

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/15/20	1325	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.68/17.1°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/15/20	1330
Received by		Fedex	7/15/20	1355
Relinquished by		Armstrong Courier	7/15/20	14:45
Received by				
Relinquished by				
Received in Lab by		JUL 15 2020		1418

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Jul-20 13:58
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0333-01) Collected: 15-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG01632	1	16-Jul-20	16-Jul-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG01705	0.10	17-Jul-20	17-Jul-20	**0.26 mg/l**	
Nitrate as N	EPA 353.2	AG01623	0.02	16-Jul-20	16-Jul-20	**0.02 mg/l**	
Nitrite as N	EPA 353.2	AG01623	0.02	16-Jul-20	16-Jul-20	**<0.02 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG02122	0.10	21-Jul-20	22-Jul-20	**1.45 mg/l**	
EFF (Sample I.D.# : 20G0333-02) Collected: 14-Jul-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG01636	2	16-Jul-20	21-Jul-20	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 206033

Customer: IPC - Integrated Performance Consultants, Inc.	Project: (MCC) EFF - Weekly
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Ric Vardel / Golan Kfir
	P.O. #:
	Report Attention: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/15/20	1325	1	TSS	Grab	AQ	1L P	4°C	7.68, 27.9°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	07/14/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/15/20	1330
Received by		Thomas Cannon (Pat-Chem)	7/15/20	1355
Relinquished by		Armando Ocampo (Pat-Chem)	7/15/20	1445
Received by				
Relinquished by				
Received in lab by		JUL 15 2020		1617

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
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 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: 27-Jul-20 13:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0349-01) Collected: 16-Jul-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01626	1.8	16-Jul-20	18-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01626	1.8	16-Jul-20	18-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01709	0.1	16-Jul-20	16-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01708	0.05	17-Jul-20	17-Jul-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0349

Customer: IPC - Integrated Performance Consultants, Inc		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Golan Kfir	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	7/16/20	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.56/22.8°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JUL 16 2020
By Alex Valle Jr.

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/16/20	12:05
Received by:	Alejandro Camarillo	7/16/20	12:05
Relinquished by:	Alejandro Camarillo	7/16/20	15:00
Received by:			
Relinquished by:			
Received in lab by: Alex Valle Jr.	JUL 16 2020		1503

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: 27-Jul-20 13:15
Subject: (MCC) Daily EFF

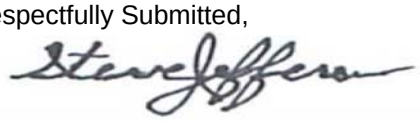
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0367-01) Collected: 17-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01707	1.8	17-Jul-20	19-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01707	1.8	17-Jul-20	19-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01808	0.1	17-Jul-20	17-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01805	0.05	18-Jul-20	18-Jul-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060367

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/17/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.61 / 27.0°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 17 2020
by

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (ASC)	07/17/20	1145
Received by	Hermosa Courier Driver	7/17/20	11:45
Relinquished by	Hermosa Courier Driver	7/17/20	14:40
Received by			
Relinquished by			
Received by	JUL 17 2020		1158

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Jul-20 13:40
Subject: (MCC) Daily EFF

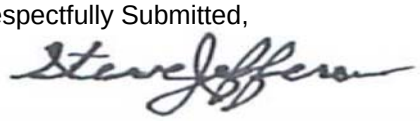
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0385-01) Collected: 18-Jul-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AG01804	1.8	18-Jul-20	22-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01804	1.8	18-Jul-20	22-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01923	0.1	18-Jul-20	18-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG01812	0.05	18-Jul-20	18-Jul-20	**0.12 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C0385

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel// Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/18/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 18 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	7/18/20	
Received by	Jairo Menjivar	7/18/20	11:40
Relinquished by	Jairo Menjivar	7/18/20	12:54
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/18/20	1254

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Jul-20 13:43
Subject: (MCC) Daily EFF

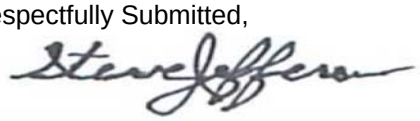
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0389-01) Collected: 19-Jul-20 By IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG01916	1.8	19-Jul-20	22-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG01916	1.8	19-Jul-20	22-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG01923	0.1	19-Jul-20	19-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02027	0.05	20-Jul-20	20-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 7/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2000389

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Jason	**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	7/19/2020	09:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 19 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jason IPC	7/19/2020	09:45
Received by	Alex Walker Jr	7/19/20	09:45
Relinquished by	Alex Walker Jr	7/19/20	12:00 pm
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	7/19/20	1200

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987
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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Aug-20 17:09
Subject: (MCC) Daily EFF

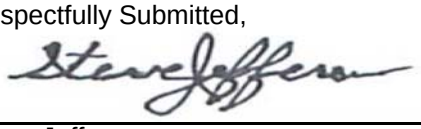
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0410-01) Collected: 20-Jul-20 By IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG02028	1.8	20-Jul-20	22-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02028	1.8	20-Jul-20	22-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	20-Jul-20	20-Jul-20	**8.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02130	0.05	21-Jul-20	21-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0410

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention: 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	07/20/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAL)	07/20/20	1120
Received by		Juan Vasquez (P/L)	7/20/20	13:26
Relinquished by		Juan Vasquez (P/L)	7/20/20	14:50
Received by				
Relinquished by				
Received by		JUL 20 2020		1509

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: 05-Aug-20 17:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0440-01) Collected: 21-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG02128	1.8	21-Jul-20	24-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02128	1.8	21-Jul-20	24-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	21-Jul-20	21-Jul-20	**8.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02230	0.05	22-Jul-20	22-Jul-20	**0.12 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060440

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive		**Sampled by:** CG	**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	07/21/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CG	Carlos Alvarez (SPC)	07/21/20	1130
Received by	EG	CG	7.21.20	1130
Relinquished by	EG	CG	7.21.20	1300
Received by				
Relinquished by				
Received by		JUL 21 2020		1431

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: 11-Aug-20 16:24
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20G0469-01) Collected: 21-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG02330	1	23-Jul-20	23-Jul-20	**179 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG02331	2	23-Jul-20	28-Jul-20	**410 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 7060469

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) INF - Weekly

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/21/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.22/17.5°C
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Chris Vargas (IPC)	07/22/20	17:30
Received by		Hannah Cruz (CRL)	7/22/20	17:30
Relinquished by		Armando Cruz (CRL)	7/22/20	14:45
Received by				
Relinquished by				
Received by		JUL 22 2020		1419

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: 05-Aug-20 17:16
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0466-01) Collected: 22-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG02231	1.8	22-Jul-20	24-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02231	1.8	22-Jul-20	24-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	22-Jul-20	22-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02336	0.05	23-Jul-20	23-Jul-20	**0.22 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060466

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/22/20	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.63 / 18.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUL 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/22/20	17:30
Received by		Armando Arvizu (IPC)	7/22/20	17:30
Relinquished by		Armando Arvizu (IPC)	7/22/20	14:45
Received by				
Relinquished by				
Received in lab by		JUL 22 2020		1402

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Aug-20 16:22
Subject: (MCC) Weekly EFF

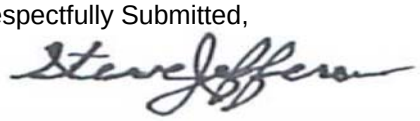
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0468-01) Collected: 22-Jul-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG02330	1	23-Jul-20	23-Jul-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG02333	0.10	23-Jul-20	23-Jul-20	**0.23 mg/l**	
Nitrate as N	EPA 353.2	AG02335	0.05	23-Jul-20	23-Jul-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AG02335	0.05	23-Jul-20	23-Jul-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG02326	0.10	23-Jul-20	24-Jul-20	**1.19 mg/l**	
EFF (Sample I.D.# : 20G0468-02) Collected: 21-Jul-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG02331	2	23-Jul-20	28-Jul-20	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060468

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C. V.

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	07/22/20	1020	1	TSS	Grab	AQ	1L P	4°C	7.67/18.3°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	07/21/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JUL 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GRD)	07/22/20	17:30
Received by		[illegible]	7/22/20	17:30
Relinquished by		[illegible]	7/22/20	14:45
Received by				
Relinquished by				
Received in lab by		JUL 22 2020		1409

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Aug-20 17:20
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0483-01) Collected: 23-Jul-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG02338	1.8	23-Jul-20	25-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02338	1.8	23-Jul-20	25-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	23-Jul-20	23-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02410	0.05	24-Jul-20	24-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20610483

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/23/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SCE)	07/23/20	12:21
Received by	Juan Vasquez (PCL)	7/23/20	12:21
Relinquished by	Juan Vasquez (PCL)	7/23/20	13:20
Received by			
Relinquished by			
Received in lab by			

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	Matrix	Bottle Type
Grab **Comp**	**AQ** - Water **SO** -Soil / Sludge **OT** - Other	**P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Aug-20 17:24
Subject: (MCC) Daily EFF

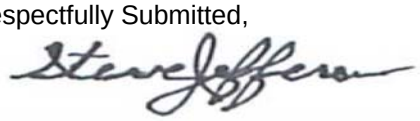
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0498-01) Collected: 24-Jul-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG02413	1.8	24-Jul-20	26-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02413	1.8	24-Jul-20	26-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	24-Jul-20	29-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02728	0.05	25-Jul-20	25-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0498

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07.24.2012.30		1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JUL 24 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by		7.24.20	1230
Received by	VA	7.24.20	1230
Relinquished by		7.24.20	1305
Received by			
Relinquished by			
Received by	JUL 24 2020		1344

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Aug-20 17:27
Subject: (MCC) Daily EFF

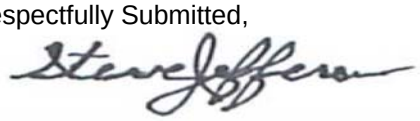
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0519-01) Collected: 25-Jul-20 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AG02504	1.8	25-Jul-20	27-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02504	1.8	25-Jul-20	27-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	25-Jul-20	25-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02728	0.05	26-Jul-20	26-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0519

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Mario Aguirre	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/25/20	9:48	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IK)	7/25/20	9:52
Received by	Alex Valk Jr	7/25/20	12:13
Relinquished by			
Received by			
Relinquished by			
Received by	JUL 25 2020		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
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Aug-20 16:00
Subject: (MCC) Daily EFF

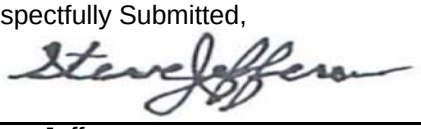
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0524-01) Collected: 26-Jul-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AG02627	1.8	26-Jul-20	28-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02627	1.8	26-Jul-20	28-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	26-Jul-20	26-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02728	0.05	27-Jul-20	27-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0524

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Jesus Avalos	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	7-26-20	9:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	7-26-20	9:40
Received by: Alex Walka Jr.	Alex Walka Jr.	7/26/20	13:15
Relinquished by:			
Received by:			
Relinquished by:			
Received by Lab by:	JUL 26 2020		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; 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: 11-Aug-20 16:02
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0545-01) Collected: 27-Jul-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AG02733	1.8	27-Jul-20	29-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02733	1.8	27-Jul-20	29-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	27-Jul-20	27-Jul-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02831	0.05	28-Jul-20	28-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0545

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Address: 9297 Research Drive, Irvine, CA 92618

Project :

Sampled by: C. Q.

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	07/27/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3 / 24.2°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GA)	07/27/20	1155
Received by		Armando Alvarez	7/27/20	1245
Relinquished by		Armando Alvarez	7/27/20	1430
Received by				
Relinquished by				
Received at lab by		JUL 27 2020		1542

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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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-Aug-20 16:13
Subject: (MCC) Daily EFF

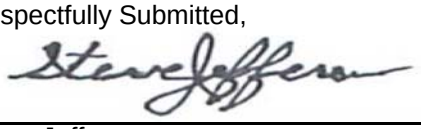
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0567-01) Collected: 28-Jul-20 By Gk							
Microbiological							
Fecal Coliforms	SM 9221E	AG02830	1.8	28-Jul-20	30-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02830	1.8	28-Jul-20	30-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG02930	0.1	28-Jul-20	28-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG02929	0.05	29-Jul-20	29-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060567

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/28/20	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.70/19.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
JUL 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/28/20	11:40
Received by:	Armando Olmos (Apex)	7/28/20	12:10
Relinquished by:	Armando Olmos (Apex)	7/28/20	14:30
Received by:			
Relinquished by:			
Received in lab:	JUL 28 2020		1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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: 11-Aug-20 16:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0597-01) Collected: 29-Jul-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AG02928	1.8	29-Jul-20	31-Jul-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG02928	1.8	29-Jul-20	31-Jul-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG03027	0.1	29-Jul-20	29-Jul-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG03026	0.05	30-Jul-20	30-Jul-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0597

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	07/29/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.66/25.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED JUL 29 2020 BY

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/29/20	17:00
Received by		Armando Olmos (Patchem)	7/29/20	17:00
Relinquished by		Armando Olmos (Patchem)	7/29/20	14:30
Received by				
Relinquished by				
Received in Lab		JUL 29 2020		1501

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
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Aug-20 16:39
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0608-01) Collected: 29-Jul-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AG03021	1	30-Jul-20	30-Jul-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG03104	0.10	31-Jul-20	31-Jul-20	**0.41 mg/l**	
Nitrate as N	EPA 353.2	AG03029	0.05	30-Jul-20	31-Jul-20	**0.08 mg/l**	
Nitrite as N	EPA 353.2	AG03029	0.05	30-Jul-20	31-Jul-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH00314	0.50	03-Aug-20	04-Aug-20	**0.86 mg/l**	
EFF (Sample I.D.# : 20G0608-02) Collected: 28-Jul-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG03031	2	30-Jul-20	04-Aug-20	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0608

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/29/20	1155	1	TSS	Grab	AQ	1L P	4°C	7.66/15.6°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	07/28/20	0000	1	BOD	Comp	AQ	1L P	4°C	

JUL 29 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cafc)	07/29/20	17:00
Received by		[illegible]	7/29/20	13:00
Relinquished by		Armando Olmos (Pat-Chem)	7/29/20	14:30
Received by				
Relinquished by				
Received in lab		JUL 29 2020		1538

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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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-Aug-20 16:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20G0610-01) Collected: 29-Jul-20 By JL							
Physical Properties							
Total Suspended Solids	SM2540D	AG03021	1	30-Jul-20	30-Jul-20	**100 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG03105	2	31-Jul-20	05-Aug-20	**390 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0610

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07-29-20	12:15	1	TSS	Comp	AQ	1L P	4°C	7.17 / 17.8
	"	"	1	BOD	Comp	AQ	1L P	4°C	

JUL 29 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leon	7-29-20	12:00
Received by	[illegible]	7-29-20	12:00
Relinquished by	Armando Olmos (Pat-Chem)	7/29/20	14:30
Received by			
Relinquished by			
Received by	JUL 29 2020		1549

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Aug-20 16:17
Subject: (MCC) Daily EFF

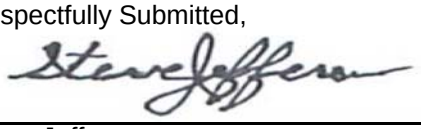
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0634-01) Collected: 30-Jul-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AG03025	1.8	30-Jul-20	01-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG03025	1.8	30-Jul-20	01-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG03036	0.1	30-Jul-20	30-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG03038	0.05	30-Jul-20	30-Jul-20	**0.18 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0634

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Golan Kfir
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/30/20	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

JUL 30 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/30/20	12:53
Received by:	Jaird Mesivar	7/30/20	12:53
Relinquished by:	Jaird Mesivar	7/30/20	1:30
Received by:			
Relinquished by:			
Received in lab:	JUL 30 2020		1351

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Aug-20 16:20
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20G0659-01) Collected: 31-Jul-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AG03109	1.8	31-Jul-20	02-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG03109	1.8	31-Jul-20	02-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00106	0.1	31-Jul-20	31-Jul-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00105	0.05	01-Aug-20	01-Aug-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20G0659

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardei / 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	07/31/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
JUL 31 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	07/31/20	1120
Received by		Juan Vasquez (PCL)	7/31/20	12:50
Relinquished by		Juan Vasquez (PCL)	7/31/20	14:22
Received by				
Relinquished by				
Received in lab by		JUL 31 2020		1352

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:21
Subject: (MCC) Daily EFF

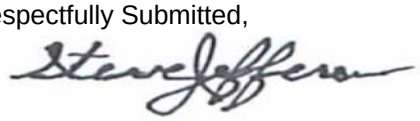
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0002-01) Collected: 01-Aug-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00104	1.8	01-Aug-20	03-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00104	1.8	01-Aug-20	03-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00112	0.1	01-Aug-20	01-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00215	0.05	02-Aug-20	02-Aug-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0002

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel, Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/1/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:48	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
Aug. 01 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	8/1/20	9:52
Received by	Jairo Manjivar	8/1/20	10:21
Relinquished by	Jairo Manjivar	8/1/20	12:00
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	8/1/20	1200

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(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
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0007-01) Collected: 02-Aug-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00216	1.8	02-Aug-20	04-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00216	1.8	02-Aug-20	04-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00529	0.1	02-Aug-20	02-Aug-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00320	0.05	03-Aug-20	03-Aug-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0007

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Jesus Avalos Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/2/20	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	8/2/20	9:40
Received by	RM PCL	8/2/20	1440
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	8/2/20	1637

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid
Bottle Type **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.

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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: 17-Aug-20 13:25
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0017-01) Collected: 03-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00322	1.8	03-Aug-20	05-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00322	1.8	03-Aug-20	05-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00529	0.1	03-Aug-20	03-Aug-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00532	0.05	04-Aug-20	04-Aug-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0017

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/03/20	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GSPL)	08/03/20	12:24
Received by		Juan Vasquez (PCL)	8/03/20	12:24
Relinquished by		Juan Vasquez (PCL)	8/03/20	1743
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	8/3/20	1343

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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	

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:54
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0029-01) Collected: 03-Aug-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AH00634	5	06-Aug-20	07-Aug-20	**972 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AH00713	20.0	07-Aug-20	07-Aug-20	**297 mg/l**	
Sulfate as SO4	EPA 300.0	AH00713	10.0	07-Aug-20	07-Aug-20	**163 mg/l**	
Boron	EPA 200.7	AH00420	0.10	04-Aug-20	05-Aug-20	**0.39 mg/l**	
Phosphorus, Total as P	EPA 365.3	AH01245	0.05	12-Aug-20	13-Aug-20	**1.20 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AH00431	0.20	04-Aug-20	05-Aug-20	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AH00631	5	06-Aug-20	06-Aug-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0029

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/03/20	1140	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	08/03/20	1650
Received by	Juan Vasquez (PCL)	8/3/20	12:26
Relinquished by	Juan Vasquez (PCL)	8/3/20	1343
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	8/3/20	1343

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 LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0076-01) Collected: 04-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00430	1.8	04-Aug-20	06-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00430	1.8	04-Aug-20	06-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00529	0.1	04-Aug-20	04-Aug-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00532	0.05	05-Aug-20	05-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0076

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: R. 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	08/04/20	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
AUG 04 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	08/04/20	12:55
Received by	Juan Vasquez (PCL)	8/4/20	12:55
Relinquished by	Juan Vasquez (PCL)	8/4/20	14:05
Received by			
Relinquished by			
Received in lab by	AUG 04 2020		1435

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 17-Aug-20 13:30
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0113-01) Collected: 05-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00528	1.8	05-Aug-20	07-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00528	1.8	05-Aug-20	07-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00539	0.1	05-Aug-20	05-Aug-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00540	0.05	05-Aug-20	05-Aug-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0113

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/05/20	1015	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	08/05/20	12:46
Received by		Juan Vasquez (PCL)	8/5/20	12:46
Relinquished by		Juan Vasquez (PCL)	8/5/20	14:20
Received by				
Relinquished by				
Received in Lab by		AUG 05 2020		1446

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: 17-Aug-20 13:58
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0114-01) Collected: 05-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH00635	1	06-Aug-20	06-Aug-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH00707	0.10	07-Aug-20	07-Aug-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH00629	0.05	06-Aug-20	06-Aug-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AH00629	0.05	06-Aug-20	06-Aug-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH01223	0.40	12-Aug-20	13-Aug-20	**0.49 mg/l**	
EFF (Sample I.D.# : 20H0114-02) Collected: 04-Aug-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH00633	2	06-Aug-20	11-Aug-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0114

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/05/20	1015	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	08/04/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
AUG 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Ulloa (Carc)	08/05/20	12:45
Received by		Juan Vasquez (PCL)	8/5/20	12:45
Relinquished by		Juan Vasquez (PCL)	8/5/20	14:20
Received by				
Relinquished by				
Received in Lab		AUG 05 2020		1448

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: 12-Aug-20 17:11
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20H0120-01) Collected: 05-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH00635	1	06-Aug-20	06-Aug-20	**218 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH00633	2	06-Aug-20	11-Aug-20	**267 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/12/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0120

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) INF - Weekly
Address:	9297 Research Drive	**Sampled by:**	
	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
INF	08/04/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
AUG 05 2020
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (IPC)	08/05/20	12:50
Received by		Juan Vasquez (PCL)	8/5/20	12:50
Relinquished by		Juan Vasquez (PCL)	8/5/20	14:20
Received by				
Relinquished by				
Received in Lab by		AUG 05 2020		1503

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
(Comp)

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:32
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0143-01) Collected: 06-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00632	1.8	06-Aug-20	08-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00632	1.8	06-Aug-20	08-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00640	0.1	06-Aug-20	06-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00643	0.05	06-Aug-20	06-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0143

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/06/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (GSE)	08/06/20	1130
Received by		Juan Vasquez (PCL)	8/6/20	12:13
Relinquished by		Juan Vasquez (PCL)	8/6/20	13:13
Received by				
Relinquished by				
Received in lab by		AUG 06 2020		1349

Sample Received Checklist

Temperature upon receipt: 4°c
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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: 17-Aug-20 13:34
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0178-01) Collected: 07-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00708	1.8	07-Aug-20	09-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00708	1.8	07-Aug-20	09-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00807	0.1	07-Aug-20	07-Aug-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00806	0.05	08-Aug-20	08-Aug-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0178

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/07/20	1135	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
AUG 07 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ASC)	08/07/20	1140
Received by		Juan Vasquez (PCL)	8/7/20	13:15
Relinquished by		Juan Vasquez (PCL)	8/7/20	14:23
Received by				
Relinquished by				
Received in lab by		AUG 07 2020		1342

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: 17-Aug-20 13:37
Subject: (MCC) Daily EFF

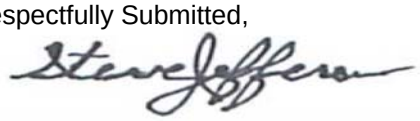
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0192-01) Collected: 08-Aug-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00804	1.8	08-Aug-20	10-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00804	1.8	08-Aug-20	10-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH00807	0.1	08-Aug-20	08-Aug-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH00917	0.05	09-Aug-20	09-Aug-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0192

Customer: IPC - Integrated Performance Consultants, Inc		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Mario Aguirre	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/8/20	9.51	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
AUG 08 2020
By JC

Relinquished by / Received by / Relinquished by / Received by / Relinquished by / Received in lab by	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre	8/8/20	9.56
Received by		Jairo Menjivar	8/8/20	10:20
Relinquished by		Jairo Menjivar	8/5/20	11:56
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	8/5/20	1156

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: 17-Aug-20 13:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0197-01) Collected: 09-Aug-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AH00916	1.8	09-Aug-20	11-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH00916	1.8	09-Aug-20	11-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01228	0.1	09-Aug-20	09-Aug-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01022	0.05	10-Aug-20	10-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0210-01) Collected: 10-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01027	1.8	10-Aug-20	12-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01027	1.8	10-Aug-20	12-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01228	0.1	10-Aug-20	10-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01131	0.05	11-Aug-20	11-Aug-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0210

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Rie Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	08/10/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.51/24.6°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
AUG 10 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (PCL)	08/10/20	17:10
Received by		Armando Olivas (PCL)	8/10/20	17:10
Relinquished by		Armando Olivas (PatChem)	8/10/20	14:45
Received by				
Relinquished by				
Received in lab by		AUG 10 2020		1503

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0239-01) Collected: 11-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01132	1.8	11-Aug-20	13-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01132	1.8	11-Aug-20	13-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01228	0.1	11-Aug-20	11-Aug-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01230	0.05	12-Aug-20	12-Aug-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0239

Customer: IPC - Integrated Performance Consultants, Inc.

Project: **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Rio 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	08/11/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
AUG 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SR)	08/11/20	1130
Received by		Juan Vasquez (PCL)	8/11/20	12:21
Relinquished by		Juan Vasquez (PCL)	8/11/20	14:15
Received by				
Relinquished by				
Received by		AUG 11 2020		1420

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Aug-20 13:44
Subject: (MCC) Weekly INF

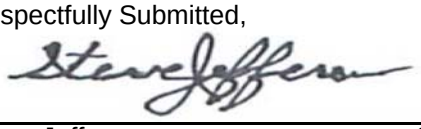
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20H0278-01) Collected: 11-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH01630	1	16-Aug-20	17-Aug-20	**232 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH01335	2	13-Aug-20	18-Aug-20	**500 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0278

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) INF - Weekly	
Address: 9297 Research Drive		**Sampled by:**	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/11/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
AUG 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/12/20	12:11
Received by		Jairo Manjivar	8/12/20	12:11
Relinquished by		Jairo Manjivar	8/12/20	15:10
Received by				
Relinquished by				
Received by		AUG 12 2020		1434

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
~~Grab~~ Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0274-01) Collected: 12-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01227	1.8	12-Aug-20	14-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01227	1.8	12-Aug-20	14-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01342	0.1	12-Aug-20	12-Aug-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01341	0.05	13-Aug-20	13-Aug-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0274

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/12/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
AUG 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CARL)	08/12/20	12:11
Received by		Jairo Manjivar	8/12/20	12:11
Relinquished by		Jairo Manjivar	8/12/20	15:10
Received by				
Relinquished by				
Received for Lab by		AUG 12 2020		1413

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-20 22:24
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0280-01) Collected: 12-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH01630	1	16-Aug-20	17-Aug-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH01406	0.10	14-Aug-20	14-Aug-20	**0.20 mg/l**	
Nitrate as N	EPA 353.2	AH01337	0.05	13-Aug-20	13-Aug-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AH01337	0.05	13-Aug-20	13-Aug-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH01924	0.20	19-Aug-20	20-Aug-20	**0.27 mg/l**	
EFF (Sample I.D.# : 20H0280-02) Collected: 11-Aug-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH01335	2	13-Aug-20	18-Aug-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0280

(MCC) EFF - Weekly

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :**	
Address: 9297 Research Drive Irvine CA 92618		**Sampled by:** C. A.	**P.O. #:**
		Report Attention: Ric Wardel / 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	08/12/20	1130	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	08/11/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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AUG 12 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GEL)	08/12/20	12:11
Received by		Jaime Manjivar	8/12/20	12:11
Relinquished by		Jaime Manjivar	8/12/20	15:10
Received by				
Relinquished by				
Received in Lab by		AUG 12 2020		1439

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0298-01) Collected: 13-Aug-20 By C. A.							
Microbiological							
Fecal Coliforms	SM 9221E	AH01340	1.8	13-Aug-20	15-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01340	1.8	13-Aug-20	15-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01408	0.1	13-Aug-20	13-Aug-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01409	0.05	14-Aug-20	14-Aug-20	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20A0298

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/13/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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AUG 13 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/13/20	11:46
Received by		Juan Vasquez (BCL)	8/13/20	11:46
Relinquished by		Juan Vasquez (BCL)	8/13/20	1347
Received by				
Relinquished by				
Received in lab by		AUG 13 2020		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	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

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QUALITY ANALYTICAL SERVICES SINCE 1987
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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Aug-20 13:51
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0324-01) Collected: 14-Aug-20 By C. A.							
Microbiological							
Fecal Coliforms	SM 9221E	AH01407	1.8	14-Aug-20	16-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01407	1.8	14-Aug-20	16-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01506	0.1	14-Aug-20	14-Aug-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01505	0.05	15-Aug-20	15-Aug-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0324

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive	**Sampled by:** C.V.	**P.O. #:**	
Irvine CA 92618	**Report Attention:** Rie Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/14/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.75 / 28.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/14/20	1140
Received by		Armando Olvera (PCL)	8/14/20	17:10
Relinquished by		Armando Olvera (PCL)	8/14/20	17:15
Received by				
Relinquished by				
Received by		AUG 14 2020		1439

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 19-Aug-20 13:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0335-01) Collected: 15-Aug-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AH01504	1.8	15-Aug-20	19-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01504	1.8	15-Aug-20	19-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH01629	0.1	15-Aug-20	15-Aug-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01623	0.05	16-Aug-20	16-Aug-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0335-01

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Mario Aguirre	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/15/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"		1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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AUG 15 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	8/15/20	9:55
Received by	Jairo Menjivar	8/15/20	11:02
Relinquished by	Jairo Menjivar	8/15/20	12:04
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	8/15/20	1204

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) Sodium Thiosulfate
(P) Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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-20 21:08
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0340-01) Collected: 16-Aug-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01622	1.8	16-Aug-20	19-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01622	1.8	16-Aug-20	19-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02107	0.1	16-Aug-20	16-Aug-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01734	0.05	17-Aug-20	17-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010340

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Jesus Avalos	**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	8-16-20	9:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	8-16-20	9:45
Received by	RM PCL	8/16/20	1225
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	8/16/2020	1455

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type (P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-20 21:12
Subject: (MCC) Daily EFF

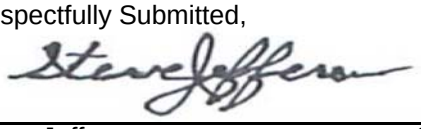
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0353-01) Collected: 17-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01729	1.8	17-Aug-20	21-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01729	1.8	17-Aug-20	21-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02107	0.1	17-Aug-20	17-Aug-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01827	0.05	18-Aug-20	18-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0353

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/17/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.20 / 7.72
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/17/20	1140
Received by		Armando Olmos (IPC)	8/17/20	1215
Relinquished by		Armando Olmos (IPC)	8/17/20	1635
Received by				
Relinquished by				
Received by		AUG 17 2020		1353

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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 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-20 21:14
Subject: (MCC) Daily EFF

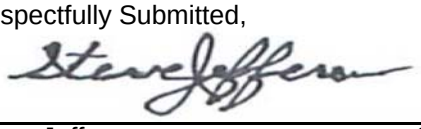
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0389-01) Collected: 18-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01825	1.8	18-Aug-20	21-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01825	1.8	18-Aug-20	21-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02107	0.1	18-Aug-20	18-Aug-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH01931	0.05	19-Aug-20	19-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0389

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Rick 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	08/18/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/18/20	1130
Received by	EG	Evan G pm	8/18/20	1200
Relinquished by	EG	Evan G pm	8/18/20	1430
Received by				
Relinquished by				
Received in Lab by		AUG 18 2020		1448

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: 31-Aug-20 12:51
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20H0433-01) Collected: 18-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH02037	1	20-Aug-20	20-Aug-20	**222 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH02038	2	20-Aug-20	25-Aug-20	**350 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/31/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0433

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/18/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.20 / 19.2°C
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
AUG 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (APC)	08/19/20	12:20
Received by		Amee Chen (Pat-Chem)	8/19/20	12:20
Relinquished by		Armando Olmos (Pat-Chem)	8/19/20	14:00
Received by				
Relinquished by				
Received by		AUG 19 2020		1351

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 30-Aug-20 21:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0434-01) Collected: 19-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH01936	1.8	19-Aug-20	21-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH01936	1.8	19-Aug-20	21-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02107	0.1	19-Aug-20	19-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02051	0.05	20-Aug-20	20-Aug-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0434

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/19/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.91/12.5°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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AUG 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAC)	08/19/20	17:20
Received by		Armando Olmos (Patchem)	8/19/20	17:20
Relinquished by		Armando Olmos (Patchem)	8/19/20	14:00
Received by				
Relinquished by				
Received by		AUG 19 2020		1353

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 30-Aug-20 22:27
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0436-01) Collected: 19-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH02037	1	20-Aug-20	20-Aug-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH02414	0.10	24-Aug-20	24-Aug-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH02036	0.05	20-Aug-20	20-Aug-20	**0.10 mg/l**	
Nitrite as N	EPA 353.2	AH02036	0.05	20-Aug-20	20-Aug-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH02624	0.10	26-Aug-20	27-Aug-20	**0.12 mg/l**	
EFF (Sample I.D.# : 20H0436-02) Collected: 18-Aug-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH02038	2	20-Aug-20	25-Aug-20	**7 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0436

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/19/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.51/27.5
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	08/18/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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AUG 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	08/19/20	17:10
Received by		Armando Olmos (Pat-Chem)	8/19/20	1720
Relinquished by		Armando Olmos (Pat-Chem)	8/19/20	1800
Received by				
Relinquished by				
Received by		AUG 19 2020		1411

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-20 21:19
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0462-01) Collected: 20-Aug-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AH02045	1.8	20-Aug-20	22-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02045	1.8	20-Aug-20	22-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02107	0.1	20-Aug-20	20-Aug-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02109	0.05	21-Aug-20	21-Aug-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0462

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	8/20/20	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.6 / 17.5°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/20/20	17:10
Received by:	Amanda Ohnes (Patchem)	8/20/20	12:10
Relinquished by:	Amanda Ohnes (Patchem)	8/20/20	13:45
Received by:			
Relinquished by:			
Received by:	AUG 20 2020		1345

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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-Aug-20 22:03
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0497-01) Collected: 21-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02106	1.8	21-Aug-20	23-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02106	1.8	21-Aug-20	23-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02205	0.1	21-Aug-20	21-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02206	0.05	22-Aug-20	22-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0497

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/21/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	08/21/20	1150
Received by		Yaird Menjivar	8/21/20	12:56
Relinquished by		Yaird Menjivar	8/21/20	14:24
Received by				
Relinquished by				
Received by		AUG 21 2020		1431

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-Aug-20 22:07
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0504-01) Collected: 22-Aug-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02204	1.8	22-Aug-20	24-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02204	1.8	22-Aug-20	24-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02324	0.1	22-Aug-20	22-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02323	0.05	23-Aug-20	23-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2GH0504

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Mario Aguirre
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-3067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/22/20	6:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 22 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	8/22/20	6:20
Received by	Alex Walker Jr	8/22/20	1300
Relinquished by			
Received by			
Relinquished by			
Received by	AUG 22 2020		1500

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-20 22:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0508-01) Collected: 23-Aug-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02322	1.8	23-Aug-20	25-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02322	1.8	23-Aug-20	25-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02630	0.1	23-Aug-20	23-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02415	0.05	24-Aug-20	24-Aug-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0508

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jesus Avalos
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-23-20	9:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	8-23-20	9:40
Received by	RM PCL	8/23/2020	1420
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	8/23/20	1621

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

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: 30-Aug-20 22:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0524-01) Collected: 24-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02419	1.8	24-Aug-20	26-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02419	1.8	24-Aug-20	26-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02630	0.1	24-Aug-20	24-Aug-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02423	0.05	24-Aug-20	24-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0524

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/24/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 24 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Gde)	08/24/20	1140
Received by		(PM)	8/24/20	1140
Relinquished by		(PM)	8/24/20	1400
Received by				
Relinquished by				
Received for Lab by		AUG 24 2020		

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-20 22:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0546-01) Collected: 25-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02525	1.8	25-Aug-20	27-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02525	1.8	25-Aug-20	27-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02630	0.1	25-Aug-20	25-Aug-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02631	0.05	26-Aug-20	26-Aug-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0546

Customer: IPC - Integrated Performance Consultants, Inc.

Project: **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/25/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/25/20	11:58
Received by		Juan Vasquez (PCL)	8/25/20	11:58
Relinquished by		Juan Vasquez (PCL)	8/25/20	13:50
Received by				
Relinquished by				
Received in lab by		AUG 25 2020		1221

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
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Sep-20 17:13
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20H0586-01) Collected: 25-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH02718	1	27-Aug-20	27-Aug-20	**212 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH02719	2	27-Aug-20	01-Sep-20	**344 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/1/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0586

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive Irvine CA 92618
Project : (MCC) INF - Weekly
Sampled by: Ric Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/25/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.37/21.2°C
			1	BOD	Comp	AQ	1L P	4°C	
1	1	1							

RECEIVED
AUG 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	08/26/20	12:15
Received by	Brenda Olmos (PCL)	8/26/20	12:15
Relinquished by	Brenda Olmos (PCL)	8/26/20	14:05
Received by			
Relinquished by			
Received in lab by	AUG 26 2020		1420

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Aug-20 22:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0581-01) Collected: 26-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02636	1.8	26-Aug-20	28-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02636	1.8	26-Aug-20	28-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02640	0.1	26-Aug-20	26-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02641	0.05	26-Aug-20	26-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0581

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/26/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.47 / 26.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	08/26/20	12:15
Received by		Armando Alvarez (Patchem)	8/26/20	12:15
Relinquished by		Armando Alvarez (Patchem)	8/26/20	12:05
Received by				
Relinquished by				
Received in Lab by		AUG 26 2020		1409

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: 10-Sep-20 14:56
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0582-01) Collected: 26-Aug-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AH02718	1	27-Aug-20	27-Aug-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH03118	0.10	31-Aug-20	31-Aug-20	**0.28 mg/l**	
Nitrate as N	EPA 353.2	AH02717	0.05	27-Aug-20	28-Aug-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AH02717	0.05	27-Aug-20	28-Aug-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI00127	0.20	01-Sep-20	02-Sep-20	**1.26 mg/l**	
EFF (Sample I.D.# : 20H0582-02) Collected: 25-Aug-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH02719	2	27-Aug-20	01-Sep-20	**12 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0582

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
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	08/26/20	1130	1	TSS	Grab	AQ	1L P	4°C	7.47 / 26.4 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	08/25/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
AUG 26 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	08/26/20	17:15
Received by		Armando Olmos (IPC)	8/26/20	17:15
Relinquished by		Armando Olmos (IPC)	8/26/20	17:05
Received by				
Relinquished by				
Received in lab by		AUG 26 2020		1411

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: 30-Aug-20 22:20
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0598-01) Collected: 27-Aug-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AH02721	1.8	27-Aug-20	29-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02721	1.8	27-Aug-20	29-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02808	0.1	27-Aug-20	27-Aug-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02807	0.05	28-Aug-20	28-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 8/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0598

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
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	08/27/20	1025	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (IPC)	08/27/20	
Received by	Elo	Guarlo pm	8/27/20	1130
Relinquished by	Elo	Guarlo pm	8/27/20	1210
Received by				
Relinquished by				
Received in lab by	Elo	Carlo pm	8/27/20	1280

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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: 01-Sep-20 17:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0621-01) Collected: 28-Aug-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH02806	1.8	28-Aug-20	30-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02806	1.8	28-Aug-20	30-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH02906	0.1	28-Aug-20	28-Aug-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02905	0.05	29-Aug-20	29-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/1/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0621

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: CV	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	08/28/20	1135	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coiiform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
AUG 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CV	Caitlin Alvarez (Calx)	08/28/20	1140
Received by	Juan Vasquez	Juan Vasquez (PCL)	8/28/20	1148
Relinquished by	Juan Vasquez	Juan Vasquez (PCL)	8/28/20	13:25
Received by				
Relinquished by				
Received by		AUG 28 2020		1335

Sample Received Checklist

Temperature upon receipt: 4.0 °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: 02-Sep-20 16:18
Subject: (MCC) Daily EFF

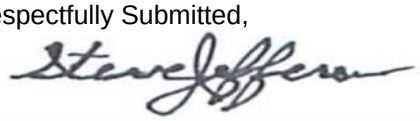
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0629-01) Collected: 29-Aug-20 By Mario Aguirre							
Microbiological							
Fecal Coliforms	SM 9221E	AH02904	1.8	29-Aug-20	31-Aug-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH02904	1.8	29-Aug-20	31-Aug-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00224	0.1	29-Aug-20	29-Aug-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH02911	0.05	29-Aug-20	29-Aug-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0629

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Maric Aguirre	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/29/20	9:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Maric Aguirre (IPC)	8/29/20	9:45
Received by	Jairo Manjivar	8/29/20	9:45
Relinquished by	Jairo Manjivar	8/29/20	10:30
Received by			
Relinquished by			
Received in lab by Jordan C.	JC	8/29/20	1036

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: 02-Sep-20 16:20
Subject: (MCC) Daily EFF

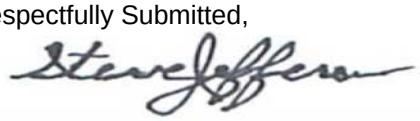
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0634-01) Collected: 30-Aug-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH03013	1.8	30-Aug-20	01-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH03013	1.8	30-Aug-20	01-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00224	0.1	30-Aug-20	30-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00136	0.05	31-Aug-20	31-Aug-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0634

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Jesus Avalos	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	8-30-20	9:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	8-30-20	9:40
Received by	RM PCL	8/30/20	1055
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	8/30/20	1313

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" and/or "Terms" shall include Terms and Conditions of Sale, including the price schedule, and any addenda or amendments hereto which are agreed to in writing. "Client" means the individual or entity who/which requests laboratory services, consulting or sampling oversight and for its/their successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule. Any such Schedule 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 incorporate the Terms. No modification of the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

Client may place orders for services by submitting a written Client Purchase Order 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 instructing PCL complete services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions proposed by a client's purchase order 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 [illegible] and all subsequent orders for [illegible] whether placed in writing or verbally. [illegible] Terms are modified in writing executed by the [illegible] representative of both parties.

8. Force Majeure

PCL shall not be responsible for delays or failures in performance resulting from acts or occurrences beyond the reasonable control of PCL. Acts or occurrences beyond its control shall mean acts or occurrences beyond its control, including, but not limited to, acts of God, fire, explosion, vandalism, storm or other similar occurrence, orders or acts of military or civil authority, or by national emergencies, insurrections, riots or wars, or strikes, lockouts or work stoppages or other labor difficulties, supply or shortages, breakdown or accident to machinery or equipment, or any delays or defaults caused by public carriers, which occurs after the execution of this agreement and which delays or prevents any party from performing or fulfilling its obligations under this agreement, in whole or in part, as may be reasonably necessary under the circumstances.

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 given to you PCL his or her express written consent to the disclosure thereof) to the extent practicable. In the event disclosure is required by law or by a court, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unwillingness / disclosure of such data when such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees that it will not to third party furnishers of such reports, data or information. Client will not disclose to any third party any information about our testing, technical information, software programs or other know-how.

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, litigation expenses and experts arising in favor of Client or any third party as a result of, and to the extent caused by, arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or it's amendments, 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 or causes, arising of every kind and character arising out of or in connection with client negligence or other 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 by any judicial or administrative authority 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 on the date of laboratory services are rendered 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 credit is 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 as may be applicable law, any amount subject to this and 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 in addition to the amount 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 or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other recurring to the holders of any securities, 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. 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.

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 pick ups 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: 02-Sep-20 16:22
Subject: (MCC) Daily EFF

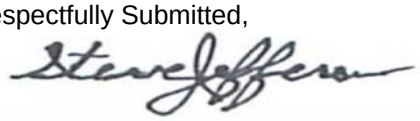
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20H0648-01) Collected: 31-Aug-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH03119	1.8	31-Aug-20	02-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH03119	1.8	31-Aug-20	02-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00224	0.1	31-Aug-20	31-Aug-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00136	0.05	01-Sep-20	01-Sep-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20H0648

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Goian Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/31/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
AUG 31 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (CA)	08/31/20	1200
Received by			8/31/20	1200 1255
Relinquished by			8/31/20	1300
Received by				
Relinquished by				
Received in lab by		AUG 31 2020		1259

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Sep-20 13:13
Subject: (MCC) Daily EFF

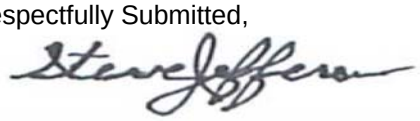
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0024-01) Collected: 01-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00128	1.8	01-Sep-20	03-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00128	1.8	01-Sep-20	03-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00224	0.1	01-Sep-20	01-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00226	0.05	02-Sep-20	02-Sep-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0024

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/01/20	1120	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/01/20	12:38
Received by		Juan Vasquez (PCL)	9/01/20	12:38
Relinquished by		Juan Vasquez (PCL)	9/1/20	1350
Received by				
Relinquished by				
Received by		SEP 01 2020		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	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: 08-Sep-20 13:15
Subject: (MCC) Daily EFF

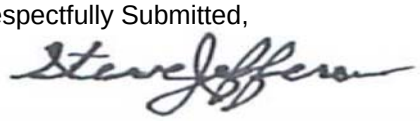
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0077-01) Collected: 02-Sep-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AI00232	1.8	02-Sep-20	04-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00232	1.8	02-Sep-20	04-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00330	0.1	02-Sep-20	02-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00236	0.05	02-Sep-20	02-Sep-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 201077

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/02/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPC!									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cape)	09/02/20	1230
Received by	EG	GG	9.2.20	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Sep-20 12:39
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0093-01) Collected: 02-Sep-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AI00326	5	03-Sep-20	04-Sep-20	**1180 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AI00512	20.0	05-Sep-20	05-Sep-20	**264 mg/l**	
Sulfate as SO4	EPA 300.0	AI00512	10.0	05-Sep-20	05-Sep-20	**144 mg/l**	
Boron	EPA 200.7	AI00325	0.10	03-Sep-20	14-Sep-20	**0.45 mg/l**	
Phosphorus, Total as P	EPA 365.3	AI00510	0.05	05-Sep-20	05-Sep-20	**0.42 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AI00237	0.08	02-Sep-20	02-Sep-20	**0.09 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AI00416	5	04-Sep-20	14-Sep-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0093

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/02/20	1130	1	Sulfate, Chioride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
SEP 02 2020
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	09/02/20	1230
Received by		9.2.20	1230
Relinquished by			
Received by			
Relinquished by			
Received in lab by		SEP 02 2020	1525

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: 18-Sep-20 12:45
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0094-01) Collected: 02-Sep-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AI00414	1	04-Sep-20	04-Sep-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI00818	0.10	08-Sep-20	08-Sep-20	**0.44 mg/l**	
Nitrate as N	EPA 353.2	AI00335	0.05	03-Sep-20	03-Sep-20	**0.06 mg/l**	
Nitrite as N	EPA 353.2	AI00335	0.05	03-Sep-20	03-Sep-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI01025	1.00	10-Sep-20	11-Sep-20	**1.24 mg/l**	
EFF (Sample I.D.# : 20I0094-02) Collected: 01-Sep-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI00323	2	03-Sep-20	08-Sep-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0094

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/02/20	1130	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	09/01/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	09/02/20	1230
Received by			9.2.20	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by		SEP 02 2020		1540

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Sep-20 13:18
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20I0092-01) Collected: 02-Sep-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AI00414	1	04-Sep-20	04-Sep-20	**195 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI00323	2	03-Sep-20	08-Sep-20	**308 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0092

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Julio Leal	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09.02.20	11:30	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR i00000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	9.2.20	1530
Received by		9.2.20	1530
Relinquished by			
Received by			
Relinquished by			
Received in lab by		SEP 02 2020	1521

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: 18-Sep-20 12:04
Subject: (MCC) Daily EFF

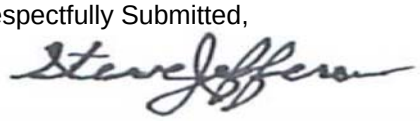
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0124-01) Collected: 03-Sep-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00328	1.8	03-Sep-20	05-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00328	1.8	03-Sep-20	05-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00410	0.1	03-Sep-20	03-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00409	0.05	04-Sep-20	04-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0124

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Golan Kfir
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/3/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/3/20	1320
Received by:		9.3.20	1320
Relinquished by:		9.3.20	1415
Received by:			
Relinquished by:			
Received in lab by:	SEP 03 2020		1329

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: 18-Sep-20 12:06
Subject: (MCC) Daily EFF

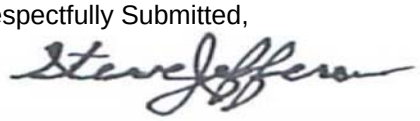
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0144-01) Collected: 04-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00408	1.8	04-Sep-20	06-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00408	1.8	04-Sep-20	06-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00506	0.1	04-Sep-20	04-Sep-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00505	0.05	05-Sep-20	05-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0144

Customer:	IPC - Integrated Performance Consultants Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	C D
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/04/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.32/17.7 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 04 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAR)	09/04/20	12:20
Received by		Armando Olvera (AO)	9/4/20	12:20
Relinquished by		Armando Olvera (AO)	9/4/20	14:20
Received by				
Relinquished by				
Received in lab by		SEP 04 2020		1408

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: 18-Sep-20 12:08
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0151-01) Collected: 05-Sep-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00504	1.8	05-Sep-20	07-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00504	1.8	05-Sep-20	07-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00511	0.1	05-Sep-20	05-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00509	0.05	05-Sep-20	05-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0151

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardell / 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	9/5/20	9:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 05 2020
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/5/20	9:47
Received by	Alex Walker Jr.	Alex Walker Jr (PCL)	9/5/20	11:20
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Alex Walker Jr.	SEP 05 2020		1305

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(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 additional or amended terms to which Client has agreed to in writing. "Client" means the individual or entity who requests laboratory services, consulting or laboratory services and his or its heirs, successors, assigns or 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 hereinafter) under the following Terms and Conditions (the "Terms"). These Terms shall govern unless 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 utilization 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 statement shall be deemed to become a part of the contract creating 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 methodology in which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (SWRCB), 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 hereto, shall not exceed the invoiced amount for said services. Client's acceptance of a Work order and bill proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for 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 material provided by client as part of client's project and the results obtained by PCL (collectively "Confidential Information") shall be kept confidential by PCL, and PCL shall not disclose Confidential Information to any third party without the prior written consent of client, except as required by law or governmental regulation. PCL shall use the same degree of care to protect Confidential Information as it uses to protect its own confidential information of like importance, but in no event less than reasonable care. PCL agrees that Confidential Information shall be used only for the purpose of performing services under this agreement. PCL shall not use Confidential Information for any purpose not expressly permitted by this agreement. PCL shall promptly notify client in the event it becomes aware of any loss or disclosure of Confidential Information.

10. Hold Harmless

Client releases and discharges, indemnifies, defends and holds harmless PCL, its officers, agents, employees, successors, and assigns from any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including attorneys' fees) of any nature whatsoever, known or unknown, fixed or contingent, asserted or unasserted, arising out of or related to any third party claim, cause of action or proceeding (whether or not PCL is a party) relating to or arising out of the performance of services by PCL under this agreement, any breach of this agreement by client, the handling, disposal or use of any client-provided sample, or client's failure to comply with any applicable law or regulation. Client's obligations under this section shall survive the termination of this agreement. Client shall not be liable for any claims, damages, losses, costs, liabilities, or expenses to the extent caused by PCL's gross negligence or willful misconduct. Client shall indemnify, defend, and hold harmless PCL, its officers, agents, employees, successors, and assigns from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs, and expenses (including attorneys' fees) arising out of or related to any third party claim, cause of action, or proceeding (whether or not PCL is a party) relating to or arising out of the performance of services by PCL under this agreement, any breach of this agreement by client, the handling, disposal,

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-20 12:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0156-01) Collected: 06-Sep-20 By JC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00606	1.8	06-Sep-20	08-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00606	1.8	06-Sep-20	08-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00923	0.1	06-Sep-20	06-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00607	0.05	06-Sep-20	06-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0156

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jesus Avalos
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-6-20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	9-6-20	9:45
Received by: Alex Walker Jr.	Alex Walker Jr.	9-6-20	10:27
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Walker Jr.	SEP 06 2020		1300

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
(OH) - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions", "Terms" or "Terms and Conditions of Sale" including the offer to tender, 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/or its orders, quotations, proposals 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 all services.

3. Orders and Acceptance

PCL offers and will accept orders for services rendered hereto only under the following Terms, Terms and Conditions (the "Terms"). These Terms govern all work of PCL and the Client shall have executed a separate agreement in writing which does not supersede 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 consent ("LOC") to PCL. Any such order constitutes it, an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and it 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 conflicting or additional terms and conditions and provisions in client's documents shall be construed 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 US Environmental Protection Agency (EPA), CA (Wisconsin (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 reports provided by Client to or obtained by PCL shall be held confidential by PCL and not made available to the public, or to any other individual or entity without the written consent of Client except as required by law or by a governmental body or agency having jurisdiction over the parties. Client shall not disclose any confidential information concerning PCL's business, methods, procedures or clients to any third party, including any of its employees, clients or customers, without the prior written consent of PCL. Client shall not use PCL's name in any boilerplate or boilerplate-like manner, or in any boilerplate or boilerplate-like manner, or in any boilerplate or boilerplate-like manner, or

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-20 12:12
Subject: (MCC) Daily EFF

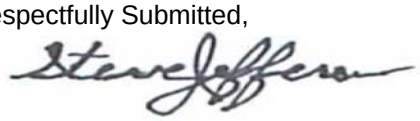
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0161-01) Collected: 07-Sep-20 By BJ of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00721	1.8	07-Sep-20	09-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00721	1.8	07-Sep-20	09-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00923	0.1	07-Sep-20	07-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00722	0.05	07-Sep-20	07-Sep-20	**0.21 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0161

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ben Jaxon	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	09/07/2020	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 07 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jaxon IPC	09/07/2020	10:50
Received by	Alex Walker Jr	9-7-20	11:06
Relinquished by			
Received by			
Relinquished by			
Received by	SEP 07 2020		1303

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Sep-20 12:18
Subject: (MCC) Daily EFF

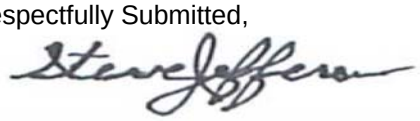
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0175-01) Collected: 08-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00826	1.8	08-Sep-20	10-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00826	1.8	08-Sep-20	10-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00923	0.1	08-Sep-20	08-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00922	0.05	09-Sep-20	09-Sep-20	**0.16 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20 10175

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/08/20	1045	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
SEP 08 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GRL)	09/08/20	1130
Received by	EL		9.8.20	1130
Relinquished by				
Received by				
Relinquished by				
Received by		SEP 08 2020		1250

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and conditions of sale, including the price schedule, and any attachments 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 followed 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 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 a 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 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), SW Wallenboard (ESAPI, 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 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 in safeguarding its own confidential data and shall not be responsible for unauthorized disclosure of information unless such standard was violated. 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 PCL's 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 parents 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 (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way pertaining 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 claims, causes of 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 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 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 prices in effect in effect at the date 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 clients a history of payment and if 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 shall be effective only 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 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 reviewed, 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 Masons, 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 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/Fieid 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: 18-Sep-20 12:55
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20I0208-01) Collected: 08-Sep-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI01026	1	10-Sep-20	10-Sep-20	**252 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI01027	2	10-Sep-20	15-Sep-20	**438 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0208

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~		**Project :** ~~(MCC) INF - Weekly~~	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:**
		Report Attention:	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/08/20	0000	1	TSS	Comp	AQ	1L P	4°C	6.91/20.3°C
1	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/09/20	12:25
Received by		Amber Ohm (Pat-Chem)	9/9/20	12:25
Relinquished by		Amber Ohm (Pat-Chem)	9/9/20	13:35
Received by				
Relinquished by				
Received in lab by		SEP 09 2020		1419

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 (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additional or amendments hereto which are agreed to in writing. "Client" means any individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assignees or 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: 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 instruction to 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 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 execution 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 constants 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/or sample materials provided to client from PCL shall be held in confidence and not disclosed to, or made available to the public or to the public domain or client has failed to pay PCL for its services rendered or another material breach of the agreement subject to this Section as required by law or court process. In any case this party receiving PCL data or samples shall give PCL reasonable notice of any such disclosure so that PCL may seek a protective order or other appropriate remedy and/or waive compliance with the confidentiality provisions of this agreement. In the event such protective order or other remedy is not obtained or PCL waives compliance with the confidentiality provisions of this agreement, client agrees that it will furnish only that portion of the data or samples which is legally required and will exercise its best efforts to obtain reliable assurance that confidential treatment will be accorded to the data or samples.

10. **Hold Harmless**

Client shall and shall cause its officers, agents, employees, PCL its employees, officers, directors, agents, affiliates, successors, assigns and any harmless from and against any and all claims, causes of action, suits and proceedings, liabilities, losses, damages, costs and expenses (including reasonable attorneys' fees and costs) of every kind and nature whatsoever, including, but not limited to, those resulting from, arising out of or in any way connected with the performance of services by PCL pursuant to this agreement and/or the generation, handling or disposal of client's hazardous materials. In event, because of client's breach of any of client's obligations under this agreement, PCL is compelled to incur expenses or render services other than those described above, client agrees to pay PCL its reasonable charges for such services and to indemnify and hold PCL harmless from and against any and all claims, causes of action, suits and proceedings

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-20 12:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0206-01) Collected: 09-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI00921	1.8	09-Sep-20	11-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI00921	1.8	09-Sep-20	11-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI00930	0.1	09-Sep-20	09-Sep-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI00929	0.05	09-Sep-20	09-Sep-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0206

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C.A.	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	09/09/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1 @ 27.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
SEP 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivares (Carc)	09/09/20	12:45
Received by		Armando Olivas (Carc)	9/9/20	12:45
Relinquished by		Armando Olivas (Carc)	9/9/20	13:35
Received by				
Relinquished by				
Received by				1405

SEP 09 2020

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
C Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 requests laboratory services, including all sampling services and the results, documents, analysis and representations. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document 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 or take for granted only (as defined herein) orders under the following Contract 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 author and representative of the client and PCL.

The client may order services by submitting a written, faxed or e-mailed (OCR) or PCL duly quote dated Sept. 5, or 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 instructing PCL's sampling services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions proposed by a client's document shall be deemed or become a part of the contract unless 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 sound, current 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 those 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 the 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 results and analysis provided by PCL to Client's request and for Client's benefit shall not be used or published by PCL in any manner that is unfavorable to the public, or to the public detriment that has to pay PCL for all services rendered or in connection or breach of the agreement to notify any developers created by use of PCL's products, PCL maintains the confidentiality of Client's data by providing to non-confidential data are obtained only as available for creating and processing of PCL's data which was provided and owned by PCL, namely, proprietary information provided by PCL are for the exclusive use and benefit of Client and Client's agents. Client or its third party, hereby waive all claims, costs, or losses against Client will not disclose to any entity, individual or company involving intellectual property.

10. Hold Harmless

Client agrees and shall save, indemnify, defend and hold PCL, its employees, officers, employees, agents, affiliates, successors and their shareholders, owners, directors, contractors and assigns harmless from and against any and all claims, damages, losses, liabilities including, but not limited to, attorneys' fees and costs of suit, arising in favor of Client or any third party as a result of, or to the extent arising in whole or in part out of, or in connection with, the performance of services by PCL pursuant to this agreement and/or any other agreement between Client and PCL, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnity shall apply in addition to any liability or remedy that might otherwise inure to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by a minimum liability insurance coverage to be maintained by Client, which coverage shall be in the minimum amount of $1,000,000 per occurrence and $2,000,000 annual aggregate combined single limit for bodily injury and property damage. Client agrees to provide PCL with a certificate of insurance evidencing such coverage upon request. Client's insurance shall be primary and non-contributory with any insurance carried by PCL. Client's insurance shall be endorsed to waive all rights of subrogation against PCL and to provide that PCL is an additional insured with respect to the services provided under this agreement.

11. Hazardous Substances

For PCL to perform the services requested by Client, Client will provide and PCL will receive samples containing or suspected to contain hazardous substances, petroleum or petroleum byproducts, or other regulated substances, as defined, determined or identified in such or similar federal, state or local laws, rules, policies or regulations (whether existing at the time of execution of this agreement or any time thereafter) (collectively "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 or prefer a 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 of 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 each service on the date the services were rendered or such price quoted and confirmed in writing. The price schedules, payment terms of any pre-qualified terms, discounts in advance or work, and/or equipment required for a new service or other terms of payment shall be as set forth in each Client's account with PCL. PCL shall not commence with any additional work, nor furnish the payment of charges for PCL's Client within thirty (30) days from date of invoices. Unless otherwise permitted or set by applicable law, any amount unpaid to 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 accounts are referred to or processed by an attorney, the client will pay reasonable costs and attorney's fees or agents' fees and costs of collection or litigation or actions.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL who is duly authorized representative, except that subsequent orders for additional services may be placed orally or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's copy of any reports, data, information or reports furnished by PCL. Client is solely responsible for his/her own actions, and not as agent, employee, or any other representative capacity for any other person or entity. It is agreed and understood 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 presented, or shall be used to solicit upon, in connection with or by part of the purchase, sale, underwriting, or syndication of any securities, any interests, or other recourse as the holder of the security, the issuer, amendment, renewal, or extension of any loan from any financial institution or subsidiary 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 received on weekends or after 3:00 P.M. hours without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A short holding times can be provided to the client if requested. All analyses with holding times of 72 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times of 2-7 days, samples must arrive at the lab within 24 hours of the expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analysis) it is found 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 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-20 13:14
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0212-01) Collected: 09-Sep-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AI01026	1	10-Sep-20	10-Sep-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI01423	0.10	14-Sep-20	14-Sep-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI01028	0.05	10-Sep-20	10-Sep-20	**0.06 mg/l**	
Nitrite as N	EPA 353.2	AI01028	0.05	10-Sep-20	10-Sep-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI01420	1.00	14-Sep-20	15-Sep-20	**1.70 mg/l**	
EFF (Sample I.D.# : 20I0212-02) Collected: 08-Sep-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI01027	2	10-Sep-20	15-Sep-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/23/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Sep-20 12:23
Subject: (MCC) Daily EFF

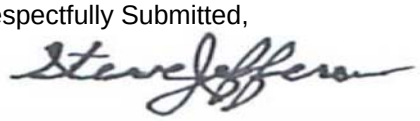
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0245-01) Collected: 10-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01031	1.8	10-Sep-20	12-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01031	1.8	10-Sep-20	12-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01110	0.1	10-Sep-20	10-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01109	0.05	11-Sep-20	11-Sep-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0245

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/10/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
SEP 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	09/10/20	1230
Received by	Elb Cab		9.10.20	1230
Relinquished by	Elb Cab		9.10.20	1400
Received by				
Relinquished by				
Received in lab by		SEP 10 2020		1319

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Sep-20 12:25
Subject: (MCC) Daily EFF

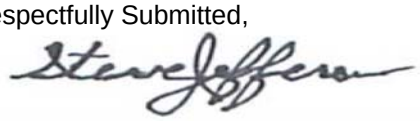
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0269-01) Collected: 11-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01108	1.8	11-Sep-20	13-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01108	1.8	11-Sep-20	13-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01212	0.1	11-Sep-20	11-Sep-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01206	0.05	12-Sep-20	12-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0269

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Daily
Sampled by: Ric Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	09/11/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.76/24.9°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
SEP 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAPE)	09/11/20	12:10
Received by		Amanda Olmos (Pat-Chem)	9/11/20	12:40
Relinquished by		Amanda Olmos (Pat-Chem)	9/11/20	13:05
Received by				
Relinquished by				
Received by			SEP 11 2020	1334

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, 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: 18-Sep-20 12:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0277-01) Collected: 12-Sep-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01205	1.8	12-Sep-20	15-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01205	1.8	12-Sep-20	15-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01318	0.1	12-Sep-20	12-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01317	0.05	13-Sep-20	13-Sep-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 201027

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/12/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:40	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 12 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/12/20	9:45
Received by		Alex Wallin Sr	9/12/20	11:53
Relinquished by				
Received by				
Relinquished by				
Received in lab by		SEP 12 2020		1446

Sample Received Checklist
Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water, SO - Soil / Sludge, OT - Other
Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Sep-20 12:30
Subject: (MCC) Daily EFF

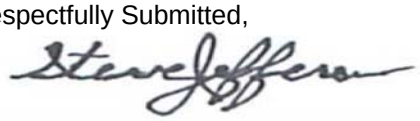
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0281-01) Collected: 13-Sep-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01316	1.8	13-Sep-20	15-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01316	1.8	13-Sep-20	15-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01320	0.1	13-Sep-20	13-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01321	0.05	13-Sep-20	13-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F6281

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Jesus Avalos	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	9-13-20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	9-13-20	9:45
Received by:			
Relinquished by:			
Received by:			
Relinquished by:	Rm PCL	9/13/2020	1250
Received in lab by:	Rm PCL	9/13/2020	1250 1427

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	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	

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for 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 to laboratory 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 at the time) and not to be disclosed by PCL for whatever reason(s) and in the event of breach of the agreement caused by 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 or information. Client agrees that PCL shall not be liable for any claims, losses or damages resulting from the use of any reports, data or information. Client will not disclose any testing methods, software or procedures developed by PCL.

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of services that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Shallow holding times and abusive 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. We will provide holding times of 14 days or less. Samples must arrive within 48 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 no later than 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 72 hours or less (preferably 48 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: 18-Sep-20 12:34
Subject: (MCC) Daily EFF

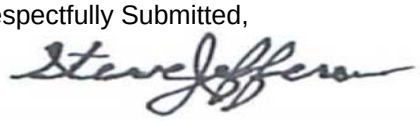
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0294-01) Collected: 14-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01426	1.8	14-Sep-20	16-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01426	1.8	14-Sep-20	16-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01626	0.1	14-Sep-20	14-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01521	0.05	15-Sep-20	15-Sep-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0294

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/14/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	1	1	1						

RECEIVED
SEP 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/14/20	1110
Received by	Elo Cruz	MM	9/14/20	1130
Relinquished by	Elo Cruz	MM	9/14/20	1200
Received by				
Relinquished by				
Received by		SEP 14 2020		1217

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: 18-Sep-20 12:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0331-01) Collected: 15-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01533	1.8	15-Sep-20	17-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01533	1.8	15-Sep-20	17-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01626	0.1	15-Sep-20	15-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01625	0.05	16-Sep-20	16-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0331

Customer: IPC - Integrated Performance Consultants, Inc.

Project: **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Rio 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	09/15/20	1135	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	(	)	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 15 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cpc)	09/15/20	1220
Received by	Eb	Eb Carlo	9.15.20	1230
Relinquished by	Eb	Eb	9.15.20	1330
Received by				
Relinquished by				
Received in lab by		SEP 15 2020		1355

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: 23-Sep-20 13:16
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20I0388-01) Collected: 15-Sep-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI01731	1	17-Sep-20	17-Sep-20	**244 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI01730	2	17-Sep-20	22-Sep-20	**386 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0388

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) INF - Weekly
Sampled by: Ric Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/15/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 16 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	09/16/20	1230
Received by			9.16.20	1230
Relinquished by			9.16.20	1330
Received by				
Relinquished by				
Received lab by		SEP 16 2020		1457

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-20 12:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0376-01) Collected: 16-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01624	1.8	16-Sep-20	18-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01624	1.8	16-Sep-20	18-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01638	0.1	16-Sep-20	16-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01637	0.05	16-Sep-20	16-Sep-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0376

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/16/20	0935	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	09/16/20	1230
Received by			9.16.20	1230
Relinquished by			9.16.20	1330
Received by				
Relinquished by				
Received at LCO by		SEP 16 2020		1417

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: 28-Sep-20 15:58
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0389-01) Collected: 16-Sep-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AI01731	1	17-Sep-20	17-Sep-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI01814	0.10	18-Sep-20	18-Sep-20	**0.24 mg/l**	
Nitrate as N	EPA 353.2	AI01816	0.05	17-Sep-20	17-Sep-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AI01816	0.05	17-Sep-20	17-Sep-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI02322	0.10	23-Sep-20	24-Sep-20	**1.01 mg/l**	
EFF (Sample I.D.# : 20I0389-02) Collected: 15-Sep-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI01730	2	17-Sep-20	22-Sep-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0389

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Weekly
Address:	9297 Research Drive Irvine CA 92618	**Sampled by:**	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/16/20	0935	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	09/15/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 16 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/16/20	1230
Received by			9.16.20	1230
Relinquished by			9.16.20	1330
Received by				
Relinquished by				
Received in lab by		SEP 16 2020		1503

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Sep-20 13:01
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0429-01) Collected: 17-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01732	1.8	17-Sep-20	19-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01732	1.8	17-Sep-20	19-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01906	0.1	17-Sep-20	17-Sep-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01809	0.05	18-Sep-20	18-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0429

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: [signature]

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	09/17/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform. Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
SEP 17 2020
By [signature]

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Olivares (SPL)	09/17/20	1330
Received by	[signature]	Jordan Corkery	9/17/20	1330
Relinquished by	[signature]	Jordan Corkery	9/17/20	1430
Received by				
Relinquished by				
Received in lab by	[signature]	SEP 17 2020		1534

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: 23-Sep-20 13:03
Subject: (MCC) Daily EFF

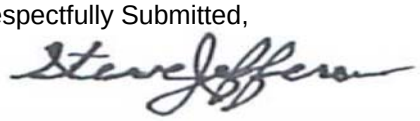
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0456-01) Collected: 18-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01807	1.8	18-Sep-20	20-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01807	1.8	18-Sep-20	20-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI01906	0.1	18-Sep-20	18-Sep-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI01905	0.05	19-Sep-20	19-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0456

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	09/18/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.73/27.7°
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/18/20	11:45
Received by		Armando Olmos (Patchem)	9/18/20	17:05
Relinquished by		Armando Olmos (Patchem)	9/18/20	13:05
Received by				
Relinquished by				
Received by		SEP 18 2020		1215

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-20 13:06
Subject: (MCC) Daily EFF

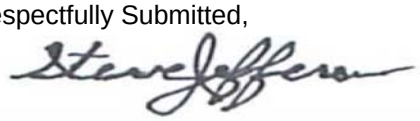
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0466-01) Collected: 19-Sep-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI01904	1.8	19-Sep-20	23-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI01904	1.8	19-Sep-20	23-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02325	0.1	19-Sep-20	19-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02019	0.05	20-Sep-20	20-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0466

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) EFF - Daily
Project : <
Address: ~~9297 Research Drive~~ Irvine CA 92618
Sampled by: Mario Aguirre
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/19/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/19/20	9:50
Received by		Alex Walker Jr	9/19/20	12:30
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	9/19/20	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.

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-20 13:08
Subject: (MCC) Daily EFF

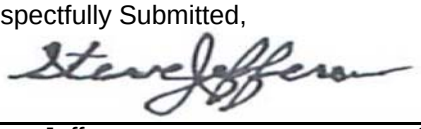
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0470-01) Collected: 20-Sep-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI02023	1.8	20-Sep-20	23-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02023	1.8	20-Sep-20	23-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02325	0.1	20-Sep-20	20-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02118	0.05	21-Sep-20	21-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20E0470

Customer: IPC - Integrated Performance Consultants, Inc
Address: 9297 Research Drive Irvine CA 92618
Project: (MCC) EFF - Daily
Sampled by: Jesus Avalos
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-20-20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos IPC	9-20-20	9:45
Received by:	Alex Walkowski	9-20-20	11:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	SEP 20 2020		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
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: 23-Sep-20 13:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0478-01) Collected: 21-Sep-20 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AI02122	1.8	21-Sep-20	23-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02122	1.8	21-Sep-20	23-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02325	0.1	21-Sep-20	21-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02227	0.05	22-Sep-20	22-Sep-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/23/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0478

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/21/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	9/21/20	1405
Received by		Golan G	9.21.20 pd	1230
Relinquished by			9.21.20 pd	1400
Received by				
Relinquished by				
Received in lab by		SEP 21 2020		1246

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Sep-20 16:04
Subject: (MCC) Daily EFF

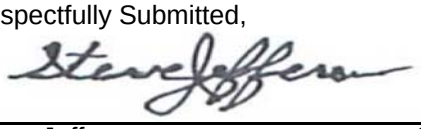
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0509-01) Collected: 22-Sep-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AI02235	1.8	22-Sep-20	24-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02235	1.8	22-Sep-20	24-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02325	0.1	22-Sep-20	22-Sep-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02324	0.05	23-Sep-20	23-Sep-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0509

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Daily
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	9/22/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39 / 23.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 22 2020
By

Geotracker EDD:
Logcode. IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Glc	Golan IPC	9/22/20	12:45
Received by:	Armando Olmos (Patchem)	9/22/20	12.45
Relinquished by:	Armando Olmos (Patchem)	9/22/20	14:20
Received by:			
Relinquished by:			
Received in lab by:	SEP 22 2020		1354

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist 4°C

Temperature upon receipt: _____
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; 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: 30-Sep-20 13:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0548-01) Collected: 23-Sep-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI02334	1.8	23-Sep-20	26-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02334	1.8	23-Sep-20	26-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02433	0.1	23-Sep-20	23-Sep-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02432	0.05	24-Sep-20	24-Sep-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0548

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/23/20	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	09/22/20	1315
Received by			9.23.20	1315
Relinquished by			9.23.20	1400
Received by				
Relinquished by				
Received in lab by			SEP 23 2020	1433

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO - Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Oct-20 17:21
Subject: (MCC) Weekly EFF

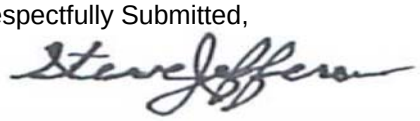
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0553-01) Collected: 23-Sep-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI02431	1	24-Sep-20	24-Sep-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI02509	0.10	25-Sep-20	28-Sep-20	**0.20 mg/l**	
Nitrate as N	EPA 353.2	AI02425	0.05	24-Sep-20	24-Sep-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AI02425	0.05	24-Sep-20	24-Sep-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ00130	0.10	01-Oct-20	06-Oct-20	**0.64 mg/l**	
EFF (Sample I.D.# : 20I0553-02) Collected: 22-Sep-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI02430	2	24-Sep-20	29-Sep-20	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0553

Customer:	iPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) EFF - Weekly
Address:	9297 Research Drive Irvine CA 92618	**Sampled by:**	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/23/20	1200	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
"	09/24/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 23 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/23/20	1315
Received by			9.23.20	1515
Relinquished by			923.20	1400
Received by				
Relinquished by				
Received in lab by		SEP 23 2020		1514

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(G) Grab	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
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-20 13:16
Subject: (MCC) Weekly INF

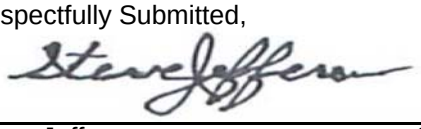
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20I0551-01) Collected: 23-Sep-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI02431	1	24-Sep-20	24-Sep-20	**194 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI02430	2	24-Sep-20	29-Sep-20	**232 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0551

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/22/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
1	1	1							

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SEP 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/23/20	0915
Received by	EC	Fed Ex	9.23.20	0915
Relinquished by	EC	Fed Ex	9.23.20	1400
Received by				
Relinquished by				
Received in lab by		SEP 23 2020		1503

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: 30-Sep-20 13:12
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0566-01) Collected: 24-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI02438	1.8	24-Sep-20	26-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02438	1.8	24-Sep-20	26-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02607	0.1	24-Sep-20	24-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02606	0.05	25-Sep-20	25-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 9/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0566

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/24/20	1030	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
SEP 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	09/24/20	1035
Received by	EB	EB (CPC)	9.24.20	1215
Relinquished by	EB	EB (CPC)	9.24.20	1300
Received by				
Relinquished by				
Received by (Lab)		SEP 24 2020		1305

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Sep-20 13:14
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0598-01) Collected: 25-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI02510	1.8	25-Sep-20	27-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02510	1.8	25-Sep-20	27-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI02607	0.1	25-Sep-20	25-Sep-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02606	0.05	26-Sep-20	26-Sep-20	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 9/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010598

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/25/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID. WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (Apex)		
Received by	EG	Evan G.	9.25.20	1215
Relinquished by	EG	Evan G.	9.25.20	1400
Received by				
Relinquished by				
Received in lab by		SEP 25 2020		1301

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: 06-Oct-20 17:23
Subject: (MCC) Daily EFF

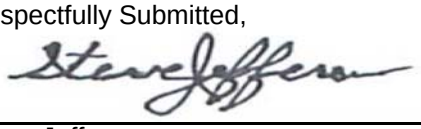
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0607-01) Collected: 26-Sep-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI02605	1.8	26-Sep-20	28-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02605	1.8	26-Sep-20	28-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI03026	0.1	26-Sep-20	26-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02726	0.05	27-Sep-20	27-Sep-20	**0.15 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0607

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project: (MCC) EFF - Daily

Sampled by: Mario Aguirre
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/26/20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/26/20	9:44
Received by		Alex Walker Sr	9/26/20	12:15
Relinquished by				
Received by				
Relinquished by				
Received in lab by		SEP 26 2020		1433

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: 07-Oct-20 14:01
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0611-01) Collected: 27-Sep-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AI02725	1.8	27-Sep-20	30-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02725	1.8	27-Sep-20	30-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI03026	0.1	27-Sep-20	27-Sep-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02823	0.05	28-Sep-20	28-Sep-20	**0.11 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/7/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0611

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~		Project: ~~(MCC) EFF - Daily~~	
Address: ~~9297 Research Drive~~ Irvine CA 92618		Sampled by: Jesus Avalos	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	9-27-20	9:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Totai Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	9/27/20	9:45
Received by:	PCL	9/27/20	1433
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	PCL	9/27/20	1610

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 (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: 07-Oct-20 14:06
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0627-01) Collected: 28-Sep-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AI02830	1.8	28-Sep-20	30-Sep-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02830	1.8	28-Sep-20	30-Sep-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI03026	0.1	28-Sep-20	28-Sep-20	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI02925	0.05	29-Sep-20	29-Sep-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/7/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2070627

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) EFF - Daily
Project :

Address: ~~9297 Research Drive~~ Irvine ~~CA~~ ~~92618~~
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	9/28/20	1158	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.8 / 28.1 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	1	1							

RECEIVED
SEP 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID. WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPL)	9/28/20	12:44
Received by		Cindy Magsaysay	9/28/20	12:49
Relinquished by		Cindy Magsaysay	9/28/20	13:56
Received by				
Relinquished by				
Received in lab by		SEP 28 2020		13:56

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations:
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) -Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Oct-20 14:08
Subject: (MCC) Daily EFF

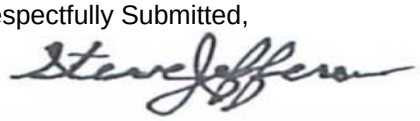
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0654-01) Collected: 29-Sep-20 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AI02929	1.8	29-Sep-20	01-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI02929	1.8	29-Sep-20	01-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI03026	0.1	29-Sep-20	29-Sep-20	**8.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI03024	0.05	30-Sep-20	30-Sep-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/7/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0654

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/29/30	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.4/23.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRL)	~~09/29/30~~	1135
Received by		MARIO SANTIESTEBAN (PCL)	09/29/30	1135
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	9/29/20	1350

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? Yes (No)

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Oct-20 14:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0682-01) Collected: 30-Sep-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI03028	1.8	30-Sep-20	02-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI03028	1.8	30-Sep-20	02-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00134	0.1	30-Sep-20	30-Sep-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00133	0.05	01-Oct-20	01-Oct-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/7/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010682

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Daily
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	09/30/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
SEP 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	09/30/20	1700
Received by			9.30.20	1300
Relinquished by			9.30.20	1400
Received by				
Relinquished by				
Received by		SEP 30 2020		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: 08-Oct-20 14:24
Subject: (MCC) Weekly EFF

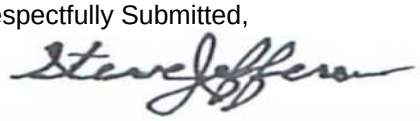
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20I0684-01) Collected: 30-Sep-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ00128	1	01-Oct-20	01-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ00213	0.10	02-Oct-20	02-Oct-20	**0.25 mg/l**	
Nitrate as N	EPA 353.2	AJ00125	0.05	01-Oct-20	01-Oct-20	**0.09 mg/l**	
Nitrite as N	EPA 353.2	AJ00125	0.05	01-Oct-20	01-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ00723	0.10	07-Oct-20	08-Oct-20	**0.38 mg/l**	
EFF (Sample I.D.# : 20I0684-02) Collected: 29-Sep-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ00127	2	01-Oct-20	06-Oct-20	**10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0684

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/30/20	1155	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	09/29/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CEP)	09/30/20	1200
Received by	EB	Evan (CEP)	9.30.20	1300
Relinquished by	EB	Evan	9.30.20	1400
Received by				
Relinquished by				
Received in lab by		SEP 30 2020		1327

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: 06-Oct-20 17:17
Subject: (MCC) Weekly INF

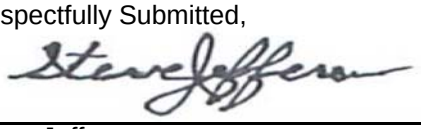
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20I0683-01) Collected: 30-Sep-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ00128	1	01-Oct-20	01-Oct-20	**232 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ00127	2	01-Oct-20	06-Oct-20	**447 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/6/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20I0683

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:**
		Report Attention:	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/22/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
SEP 30 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/30/20	1300
Received by			9.30.20	1300
Relinquished by			9.30.20	1400
Received by				
Relinquished by				
Received in lab by		SEP 30 2020		1323

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Oct-20 14:13
Subject: (MCC) Daily EFF

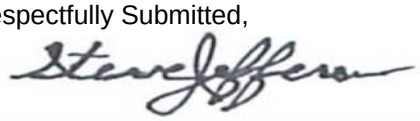
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0007-01) Collected: 01-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00131	1.8	01-Oct-20	03-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00131	1.8	01-Oct-20	03-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00209	0.1	01-Oct-20	01-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00208	0.05	02-Oct-20	02-Oct-20	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/7/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20F0007

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/1/20	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	10/1/20	1200
Received by: EB	Evan B pcl	10.1.20	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	OCT 01 2020		1238

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) -Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Oct-20 14:10
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0031-01) Collected: 02-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00207	1.8	02-Oct-20	04-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00207	1.8	02-Oct-20	04-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00307	0.1	02-Oct-20	02-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00306	0.05	03-Oct-20	03-Oct-20	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0031

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
OCT 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alberto (GSE)	10/02/20	1730
Received by			10/2/20	1730
Relinquished by			10.2.20	1400
Received by				
Relinquished by				
Received (Lab) by		OCT 02 2020		1253

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Oct-20 13:45
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0037-01) Collected: 02-Oct-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AJ00532	5	05-Oct-20	06-Oct-20	**840 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AJ00737	20.0	07-Oct-20	07-Oct-20	**194 mg/l**	
Sulfate as SO4	EPA 300.0	AJ00737	10.0	07-Oct-20	07-Oct-20	**123 mg/l**	
Boron	EPA 200.7	AJ00523	0.10	05-Oct-20	07-Oct-20	**0.39 mg/l**	
Phosphorus, Total as P	EPA 365.3	AJ00308	0.05	03-Oct-20	03-Oct-20	**0.14 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AJ00423	0.08	04-Oct-20	04-Oct-20	**0.09 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AJ00530	5	05-Oct-20	05-Oct-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/9/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0037

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/20	1140	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI-									
Global ID: WDR100000359									

RECEIVED
OCT 02 2020
BY

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/02/20	1130
Received by	EG	Courier	10/2/20	1130
Relinquished by	EG	Courier	10.2.20	1400
Received by				
Relinquished by				
Received in lab by		OCT 02 2020		1306

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Oct-20 14:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0047-01) Collected: 03-Oct-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00305	1.8	03-Oct-20	05-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00305	1.8	03-Oct-20	05-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00422	0.1	03-Oct-20	03-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00309	0.05	03-Oct-20	03-Oct-20	**0.12 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0047

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: Mario Aguirre
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/3/20	9:47	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/3/20	9:52
Received by		Alex Walk Jr (PCL)	10-3-20	11:30
Relinquished by				
Received by				
Relinquished by				
Received in lab by			OCT 03 2020	1400

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water, SO -Soil / Sludge, OT - Other
Bottle Type: (P) - Plastic, G - Amber Glass, VOA - 40 ml Vial, (Coli) - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, (ST) - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Oct-20 14:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0052-01) Collected: 04-Oct-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00421	1.8	04-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00421	1.8	04-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	04-Oct-20	04-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00527	0.05	05-Oct-20	05-Oct-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0052

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.	Project :
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Mario Aguirre
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/4/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/4/20	9:55
Received by		RM PCL	10/4/20	1048
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	10/4/20	1304

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 (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will employ analytical methodologies which are substantially consistent with the U.S. Environmental Protection Agency (EPA), CA Waters and its APP, American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) or the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the referenced and/or PCL Standard Operating Procedures (SOP) and/or the QA/QC program. The total liability of PCL, its officers, agents, employees or sub-contractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary or any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for providing PCL of the safe and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorizing representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as effluents, potentially hazardous substances or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules or policies or regulations (whether now existing or hereafter promulgated or promulgated by any judicial or administrative interpretations of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples exposed by PCL for any/all hazardous analysis. Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up of service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Oct-20 14:19
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0065-01) Collected: 05-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00531	1.8	05-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00531	1.8	05-Oct-20	07-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	05-Oct-20	05-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00632	0.05	06-Oct-20	06-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0065

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~

Project: ~~(MCC) EFF - Daily~~

Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~

Sampled by: C.A.

Report Attention: ~~Eric~~ Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/05/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 28.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPE)	10/05/20	1200
Received by		Chemmetrics	10/5/20	1200
Relinquished by		Cindy Martinez (CM)	10/05-20	1335
Received by				
Relinquished by				
Received in lab by		OCT 05 2020		1340

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) - Plastic, G - Amber Glass, VOA - 40 ml Vial, (Coli) - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, (ST) -Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Oct-20 14:21
Subject: (MCC) Daily EFF

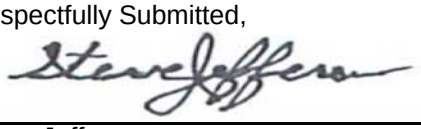
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0102-01) Collected: 06-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00628	1.8	06-Oct-20	08-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00628	1.8	06-Oct-20	08-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	06-Oct-20	06-Oct-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00727	0.05	07-Oct-20	07-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/8/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010102

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	**Sampled by:**	
		Report Attention:	Ric Vardel / Goian Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/06/20	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 26.7
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPL)	10/06/20	1200
Received by		Cindy Martinez	10-6-20	12:30
Relinquished by		Cindy Martinez	10-6-20	15:13
Received by				
Relinquished by				
Received in lab by			OCT 06 2020	13:11

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Physical Properties							
Total Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**176 mg/l**	
Carbonate Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**176 mg/l**	
Hydroxide Alkalinity	SM 2320B	AJ00916	1	09-Oct-20	15-Oct-20	**<1 mg/l**	
Color	SM 2120 C	AJ00731	5.0	07-Oct-20	07-Oct-20	**22.8 CU**	
Specific Conductance (EC)	SM 2510B	AJ01015	0.1	10-Oct-20	10-Oct-20	**1340 uS/cm**	
Odor	SM 2150B	AJ00742	1	07-Oct-20	07-Oct-20	**<1 T.O.N.**	
Temperature	SM 2550	AJ00729		06-Oct-20	06-Oct-20	**79 °F**	
Inorganic Constituents							
Silver	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	
Aluminum	EPA 200.8	AJ00817	5.0	08-Oct-20	14-Oct-20	**28 ug/l**	
Fluoride	EPA 300.0	AJ00737	0.10	07-Oct-20	08-Oct-20	**1.75 mg/l**	
Arsenic	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**1.1 ug/l**	
Barium	EPA 200.8	AJ00817	0.5	08-Oct-20	14-Oct-20	**21 ug/l**	
Beryllium	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	
Calcium	EPA 200.7	AJ00721	0.10	07-Oct-20	08-Oct-20	**38.5 mg/l**	
Cadmium	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	
Chromium	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**4.5 ug/l**	
Copper	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**0.5 ug/l**	
Cyanide (total)	SM 4500-CN-E	AJ00821	0.0050	08-Oct-20	08-Oct-20	**<0.0050 mg/l**	
Iron	EPA 200.7	AJ00721	0.02	07-Oct-20	08-Oct-20	**<0.02 mg/l**	
Mercury	EPA 245.1	AJ01213	0.20	12-Oct-20	12-Oct-20	**<0.20 ug/l**	
Magnesium	EPA 200.7	AJ00721	0.10	07-Oct-20	08-Oct-20	**20.2 mg/l**	
Manganese	EPA 200.8	AJ00817	0.5	08-Oct-20	14-Oct-20	**49 ug/l**	
Nickel	EPA 200.8	AJ00817	0.5	08-Oct-20	14-Oct-20	**5.9 ug/l**	
Lead	EPA 200.8	AJ00817	0.2	08-Oct-20	14-Oct-20	**<0.2 ug/l**	

Respectfully Submitted,



Steve Jefferson 1/25/2021
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Inorganic Constituents							
pH	SM 4500H-B	AJ00728	0.1	06-Oct-20	06-Oct-20	**7.7 pH Units**	A-01
Antimony	EPA 200.8	AJ00817	1.0	08-Oct-20	14-Oct-20	**1.6 ug/l**	
Selenium	EPA 200.8	AJ00817	2.0	08-Oct-20	14-Oct-20	**2.0 ug/l**	
Thallium	EPA 200.8	AJ00817	1.0	08-Oct-20	14-Oct-20	**<1.0 ug/l**	
Uranium	EPA 200.8	AJ00817	0.7	08-Oct-20	14-Oct-20	**<0.7 pCi/L**	
Zinc	EPA 200.8	AJ00817	1.0	08-Oct-20	14-Oct-20	**47 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AJ00732	0.08	07-Oct-20	07-Oct-20	**0.10 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**3.1 ug/l**	
1,2-Dichloropropane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**3.3 ug/l**	
Chlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Styrene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Volatile Organic Chemicals (VOCs)							
1,1,2,2-Tetrachloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Tetrachloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Toluene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**31.1 ug/l**	
Bromoform	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**1.0 ug/l**	
Chloroform	EPA 524.2	AJ01339	2.5	13-Oct-20	14-Oct-20	**44.0 ug/l**	
Dibromochloromethane	EPA 524.2	AJ01339	0.5	13-Oct-20	13-Oct-20	**9.8 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AJ01339		13-Oct-20	13-Oct-20	*100 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AJ01339		13-Oct-20	13-Oct-20	*112 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AJ01339		13-Oct-20	13-Oct-20	*106 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Dichloroacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Trichloroacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**17.7 ug/l**	
Monobromoacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Dibromoacetic Acid	EPA 552.2	AJ02042	1.5	20-Oct-20	23-Dec-20	**<1.5 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AJ02042		20-Oct-20	23-Dec-20	*96.7 % (60-140)*	
Bromate	EPA 300.0	AJ01334	5.0	13-Oct-20	13-Oct-20	**<5.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

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QUALITY ANALYTICAL SERVICES SINCE 1987
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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: 25-Jan-21 17:57
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Disinfection Byproducts							
Chlorite	EPA 300.0	AJ01334	20.0	13-Oct-20	13-Oct-20	**<20.0 ug/l**	
Haloacetic Acids (HAA5)	[CALC]	[CALC]	7.50	13-Oct-20	23-Dec-20	**18.5 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	6.00	13-Oct-20	14-Oct-20	**85.8 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AJ02041	0.01	20-Oct-20	22-Oct-20	**<0.01 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AJ02041	0.02	20-Oct-20	22-Oct-20	**<0.02 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AJ01216	2.0	12-Oct-20	13-Oct-20	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AJ01216	2.0	12-Oct-20	13-Oct-20	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AJ01216		12-Oct-20	13-Oct-20	*62.7 % (50-120)*	
Alachlor	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Atrazine	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Molinate	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Simazine	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AJ01924	0.2	19-Oct-20	30-Oct-20	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AJ01924		19-Oct-20	30-Oct-20	*66.0 % (40-120)*	
Chlordane	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Endrin	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Heptachlor	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AJ00824	0.01	08-Oct-20	08-Oct-20	**<0.01 ug/l**	
Methoxychlor	EPA 508	AJ00824	0.05	08-Oct-20	08-Oct-20	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	

Respectfully Submitted,



Steve Jefferson 1/25/2021
Laboratory Director

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Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0139-01) Collected: 06-Oct-20 By CA							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1242 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Total PCBs	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Toxaphene	EPA 508	AJ00824	0.1	08-Oct-20	08-Oct-20	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AJ00824		08-Oct-20	08-Oct-20	*50.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AJ00824		08-Oct-20	08-Oct-20	*52.5 % (50-120)*	
Bentazon	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
2,4-D	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
Dalapon	EPA 515.1	AJ02037	5.0	20-Oct-20	23-Oct-20	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AJ02037	0.1	20-Oct-20	23-Oct-20	**<0.1 ug/l**	
Picloram	EPA 515.1	AJ02037	1.0	20-Oct-20	23-Oct-20	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AJ02037	0.2	20-Oct-20	23-Oct-20	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AJ02037		20-Oct-20	23-Oct-20	*82.0 % (60-140)*	
Benzo (a) pyrene	EPA 550	AJ00828	0.05	08-Oct-20	13-Nov-20	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AJ00828		08-Oct-20	13-Nov-20	*59.6 % (45-120)*	
Carbofuran	EPA 632	AJ00827	1.0	08-Oct-20	16-Nov-20	**<1.0 ug/l**	
Oxamyl	EPA 632	AJ00827	2.0	08-Oct-20	16-Nov-20	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 632	AJ00827		08-Oct-20	16-Nov-20	*104 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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Project/P.O.#: (MCC) Quarterly EFF

Notes and Definitions

A-01 Langelier Index = -0.37 (Non-Corrosive)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/25/2021
Laboratory Director

[redacted]

[redacted]

[redacted]: (000) 000 4-00 6000 (000) 000 4-00 80
http://www.[redacted].com [redacted]@l[redacted].com

[redacted]O[redacted]ID: [redacted]8[redacted]
[redacted]m[redacted]ID: [redacted]4[redacted]
[redacted]m[redacted]O:
[redacted]j[redacted]ID:

[redacted] [redacted]v[redacted]B[redacted]
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[redacted]8[redacted]4[redacted]
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[redacted]: [redacted](8[redacted])[redacted]-[redacted]
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R[redacted]c[redacted]v[redacted]:
[redacted]lyz[redacted]:

[redacted] [redacted]J[redacted]

[redacted] [redacted] [redacted] [

OrderID: 322018230

SUBCONTRACT ORDER

Pat-Chem Laboratories

20J0139 **#322018230**

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

LA Testing
520 Mission St,
South Pasadena, CA 91030
Phone :(800) 303-0047
Fax:

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20J0139-01 **Water**	**Sampled: 06-Oct-20 11:45**			**IPC [MCC] EFF-Quarterly**
Asbestos Water	21-Oct-20 12:00	04-Apr-21 11:45		
Containers Supplied:				

Per Jennifer: wastewater

Released By	Date	Received By	Date
[signature]	OCT 07 2020 12:30pm	[signature]	10/7/20 2:45pm
Released By	Date	Received By	Date

November 17, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2014004
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
20J0139-01	10/06/2020	10/12/2020	SP 2014004-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Organic QC

547	10/14/2020:216510 All analysis quality controls are within established criteria.
	10/14/2020:212087 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Glyphosate: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
548.1	10/20/2020:216796 All analysis quality controls are within established criteria.
	10/13/2020:212023 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549	10/13/2020:212022 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549.2	10/19/2020:216800 All analysis quality controls are within established criteria.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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

November 17, 2020 Lab ID : SP 2014004
Pat-Chem Laboratories Customer : 2-12670

Radio QC

900.0	11/16/2020:218427 All analysis quality controls are within established criteria.
	10/13/2020:211996 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	11/10/2020:218098 All analysis quality controls are within established criteria.
	11/02/2020:212852 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	10/21/2020:218267 All analysis quality controls are within established criteria.
	10/21/2020:212366 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
Ra - 05	11/10/2020:218283 All analysis quality controls are within established criteria.
	11/08/2020:212849 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2020-11-17

November 17, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20J0139-01
Project : 20J0139

Lab ID : SP 2014004-001
Customer ID : 2-12670

Sampled On : October 6, 2020-11:45
Sampled By : Not Available
Received On : October 12, 2020-13:40
Matrix : Waste Water

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 547 Glyphosate	ND	20	ug/L		547	10/14/20:212087	547	10/14/20:216510
EPA 548.1 Endothall	ND	40	ug/L		548.1	10/13/20:212023	548.1	10/20/20:216796
EPA 549 Diquat	ND	4	ug/L		549	10/13/20:212022	549.2	10/19/20:216800

ND=Non-Detected. PQL=Practical Quantitation Limit. ‡Surrogate. * PQL adjusted for dilution.

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

November 17, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 20J0139-01
Project : 20J0139

Lab ID : SP 2014004-001
Customer ID : 2-12670

Sampled On : October 6, 2020-11:45
Sampled By : Not Available
Received On : October 12, 2020-13:40
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	3.74 ± 0.681	0.697	pCi/L	15/5	900.0	10/13/20-08:24 2P2011996	900.0	11/16/20-13:33 2A2018427
Gross Beta	3.43 ± 0.465	0.461	pCi/L	50	900.0	10/13/20-08:24 2P2011996	900.0	11/16/20-13:33 2A2018427
Total Alpha Radium (226)	0.214 ± 0.197	0.407	pCi/L	3	903.0	11/02/20-18:00 2P2012852	903.0	11/10/20-14:24 2A2018098
Tritium	226 ± 272	434	pCi/L	20000	906.0	10/21/20-08:30 2P2012366	906.0	10/21/20-23:20 2A2018267
Ra 228	0.000 ± 0.580	0.400	pCi/L	2	Ra - 05	11/08/20-12:00 2P2012849	Ra - 05	11/10/20-18:30 2A2018283

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

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Santa Paula, CA 93060
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Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
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Chico, CA 95926
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San Luis Obispo, CA 93401
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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 17, 2020 Lab ID : SP 2014004
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Glyphosate	547	10/14/20:212087SG	Blank	ug/L		ND	<20	
			LCS	ug/L	200.0	120 %	71-129	
			MS	ug/L	200.0	132 %	56-139	
		(CC 2083261-001)	MSD	ug/L	200.0	141 %	56-139	435
			MSRPD	ug/L	200.0	6.3%	≤15	
	547	10/14/20:216510SG	CCV	ug/L	100.0	114 %	80-120	
			CCV	ug/L	200.0	103 %	80-120	
Endothall	548.1	10/13/20:212023SG	Blank	ug/L		ND	<40	
			LCS	ug/L	83.33	65.8 %	22-76	
			MS	ug/L	83.33	35.2 %	15-87	
		(SP 2014004-001)	MSD	ug/L	83.33	21.4 %	15-87	
			MSRPD	ug/L	83.33	11	≤40	
	548.1	10/20/20:216796SG	CCV	ug/L	2500	94.9 %	70-130	
			CCV	ug/L	1000	90.5 %	70-130	
Diquat Dibromide	549	10/13/20:212022SG	Blank	ug/L		ND	<4	
			LCS	ug/L	20.00	46.3 %	10-114	
			MS	ug/L	20.00	56.9 %	0-104	
		(SP 2014004-001)	MSD	ug/L	20.00	60.1 %	0-104	
			MSRPD	ug/L	20.00	0.63	≤4	
	549.2	10/19/20:216800SG	CCV	ug/L	1000	89.0 %	80-120	
			CCV	ug/L	500.0	83.7 %	80-120	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
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San Luis Obispo, CA 93401
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Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
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CA ELAP Certification No. 2810

November 17, 2020 Lab ID : SP 2014004
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	11/16/20:218427JCA	CCV	cpm	7539	40.6 %	35-47	
			CCB	cpm		0.100	0.16	
Beta	900.0	11/16/20:218427JCA	CCV	cpm	7539	93.6 %	83-94	
			CCB	cpm		0.4600	0.58	
Gross Alpha	900.0	10/13/20:211996iwc	Blank	pCi/L		0.81	3	
			LCS	pCi/L	201.1	79.4 %	75-125	
			MS	pCi/L	201.1	156 %	60-140	435
		(STK2054182-001)	MSD	pCi/L	201.1	156 %	60-140	435
			MSRPD	pCi/L	201.1	0.2%	≤30	
Gross Beta	900.0	10/13/20:211996iwc	Blank	pCi/L		0.29	4	
			LCS	pCi/L	36.00	92.0 %	84-160	
			MS	pCi/L	36.00	80.9 %	80-130	
		(STK2054182-001)	MSD	pCi/L	36.00	78.3 %	80-130	435
			MSRPD	pCi/L	201.1	3.0%	≤30	
Alpha	903.0	11/10/20:218098JCA	CCV	cpm	7881	39.2 %	37-46	
			CCB	cpm		0.0800	0.16	
Total Alpha Radium (226)	903.0	11/02/20:212852emv	RgBlk	pCi/L		0.09	2	
			LCS	pCi/L	23.32	73.6 %	52-107	
			BS	pCi/L	23.32	69.0 %	43-111	
			BSD	pCi/L	23.32	67.7 %	43-111	
			BSRPD	pCi/L	23.32	2.0%	≤35.5	
Tritium	906.0	10/21/20:212366jca	Blank	pCi/L		49	300	
			LCS	pCi/L	1643	96.9 %	75-125	
			BS	pCi/L	1643	92.2 %	75-125	
			BSD	pCi/L	1643	94.1 %	75-125	
			BSRPD	pCi/L	1643	2.0%	≤25	
	906.0	10/21/20:218267jca	CCV	pCi/L	23940	99.3 %	90-110	
			CCB	pCi/L		144	500	
Beta	Ra - 05	11/10/20:218283emv	CCV	cpm	7881	89.8 %	84-94	
			CCB	cpm		0.4600	0.48	
Ra 228	Ra - 05	11/08/20:212849emv	RgBlk	pCi/L		0.03	3	
			LRS	pCi/L	12.57	76.5 %	65-108	
			BS	pCi/L	12.57	84.5 %	75-125	
			BSD	pCi/L	12.57	102 %	75-125	
			BSRPD	pCi/L	12.57	2.2	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Quality Control - Radio

Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

November 3, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2014004

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Inorganic-Perchlorate

Please note that this analysis was performed by Babcock Laboratories, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-11-03

Enclosure

BABCOCK Laboratories, Inc.
The Standard of Excellence for Over 100 Years

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Subcontract to
Babcock Laboratories, Inc.

Map Ref.

Client: Fruit Growers Laboratory, Inc.
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact Person:
Project Name: **SP 2014004 - (2-12670)**
Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SRC) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Inorganic-CIO4 8oz(P)									
1	20J0139-01	10/06/20	11:45	G	WW				1									

TAT #62
Temp 3.0 °C
On Ice YES
Samples Intact YES
Preserved NO
Chlorinated NO

C0J3616
Rc'd: 10/28/2020 11:40
EVS

Remarks: RUSH

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
	10/27/20	17:30	GLS	10/28/2020	11:40			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GLS				10/28/2020	11:40			

November 12, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2014004

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium

Please note that this analysis was performed by Eurofins Eaton Analytical, Inc. (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-11-12

Enclosure

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STATE CERTIFICATION LIST

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Alabama	41060	**Montana**	Cert 0035
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Arkansas	Certified	**Nevada**	CA000062018
California	2813	**New Hampshire ***	2959
Colorado	Certified	**New Jersey ***	CA 008
Connecticut	PH-0107	**New Mexico**	Certified
Delaware	CA 006	**New York ***	11320
Florida *	E871024	**North Carolina**	06701
Georgia	947	**North Dakota**	R-009
Guam	18-005R	**Oregon ***	CA200003-005
Hawaii	Certified	**Pennsylvania ***	68-565
Idaho	Certified	**Puerto Rico**	Certified
Illinois *	200033	**Rhode Island**	LAO00326
Indiana	C-CA-01	**South Carolina**	87016
Iowa - Asbestos	413	**South Dakota**	Certified
Kansas *	E-10268	**Tennessee**	TN02839
Kentucky	90107	**Texas ***	T104704230-18-15
Louisiana *	LA180000	**Utah (Primary AB) ***	CA00006
Maine	CA0006	**Vermont**	VT0114
Maryland	224	**Virginia ***	460260
Commonwealth of Northern Marianas Is.	MP0004	**Washington**	C838
Massachusetts	M-CA006	**EPA Region 5**	Certified
Michigan	9906	**Los Angeles County Sanitation Districts**	10264
Mississippi	Certified		

* NELAP/TNI Recognized Accreditation Bodies

Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, Suite 100
Monrovia, CA 91016-3629
T | 626-386-1100
F | 866-988-3757
www.EurofinsUS.com/Eaton

The tests listed below are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI-ASQ National Accreditation Board/A2LA.
Refer to Certificate and scope of accreditation (5890) found at: https://www.eurofinsus.com/Eaton

SPECIFIC TESTS	METHOD OR TECHNIQUE USED	Environ-mental (Drinking Water)	Environ-mental (Waste Water)	Water as a Component of Food and Bev/Bev/ Bottled Water
1,2,3-TCP (5 PPT & 0.5 PPT)	CA SRL 524M-TCP	x		x
1,4-Dioxane	EPA 522	x		x
2,3,7,8-TCDD	Modified EPA 1613B	x		x
Acrylamide	In House Method (2440)	x		x
Algal Toxins/Microcystin	In House Method (3570)			
Alkalinity	SM 2320B	x	x	x
Ammonia	EPA 350.1		x	x
Ammonia	SM 4500-NH3 H		x	x
Anions and DBPs by IC	EPA 300.0	x	x	x
Anions and DBPs by IC	EPA 300.1	x		x
Asbestos	EPA 100.2	x	x	
BOD / CBOD	SM 5210B		x	x
Bromate	In House Method (2447)	x		x
Carbamates	EPA 531.2	x		x
Carbonate as CO3	SM 2330B	x	x	x
Carbonyls	EPA 556	x		x
COD	EPA 410.4 / SM 5220D		x	
Chloramines	SM 4500-CL G	x	x	x
Chlorinated Acids	EPA 515.4	x		x
Chlorinated Acids	EPA 555	x		x
Chlorine Dioxide	SM 4500-CLO2 D Palin Test	x		x
Chlorine -Total/Free/ Combined Residual	SM 4500-Cl G	x	x	x
Conductivity	EPA 120.1		x	
Conductivity	SM 2510B	x	x	x
Corrosivity (Langelier Index)	SM 2330B	x		x
Cyanide, Amenable	SM 4500-CN G	x	x	
Cyanide, Free	SM 4500CN F	x	x	x
Cyanide, Total	EPA 335.4	x	x	x
Cyanogen Chloride (screen)	In House Method (2470)	x		x
Diquat and Paraquat	EPA 549.2	x		x
DBP/HAA	SM 6251B	x		x
Dissolved Oxygen	SM 4500-O G		x	x
DOC	SM 5310C	x		x
E. Coli	(MTF/EC+MUG)	x		x
E. Coli	CFR 141.21(f)(6)(i)	x		x
E. Coli	SM 9223		x	
E. Coli (Enumeration)	SM 9221B.1/ SM 9221F	x		x
E. Coli (Enumeration)	SM 9223B	x		x
EDB/DCBP	EPA 504.1	x		
EDB/DBCP and DBP	EPA 551.1	x		x
EDTA and NTA	In House Method (2454)	x		x
Endothall	EPA 548.1	x		x
Endothall	In-house Method (2445)	x		x
Enterococci	SM 9230B	x	x	
Fecal Coliform	SM 9221 E (MTF/EC)	x		
Fecal Coliform	SM 9221C, E (MTF/EC)		x	
Fecal Coliform (Enumeration)	SM 9221E (MTF/EC)	x		x
Fecal Coliform with Chlorine Present	SM 9221E		x	
Fecal Streptococci	SM 9230B	x	x	
Fluoride	SM 4500-F C	x	x	x
Glyphosate	EPA 547	x		x
Glyphosate + AMPA	In House Method (3618)	x		x
Gross Alpha/Beta	EPA 900.0	x	x	x
Gross Alpha Coprecipitation	SM 7110 C	x	x	x
Hardness	SM 2340B	x	x	x
Heterotrophic Bacteria	In House Method (2439)	x		x
Heterotrophic Bacteria	SM 9215 B	x		x
Hexavalent Chromium	EPA 218.6	x	x	x
Hexavalent Chromium	EPA 218.7	x		x
Hexavalent Chromium	SM 3500-Cr B		x	
Hormones	EPA 539	x		x
Hydroxide as OH Calc.	SM 2330B	x		x
Kjeldahl Nitrogen	EPA 351.2		x	
Legionella	Legiolert	x		x
Mercury	EPA 200.8	x		x
Metals	EPA 200.7 / 200.8	x	x	x
Microcystin LR	ELISA (2360)	x		x
Microcystin, Total	EPA 546	x		x
NDMA	EEA/Agilent 521.1 In house method (2425)	x		x
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x	x
OCL, Pesticides/PCB	EPA 505	x		x
Ortho Phosphate	EPA 365.1	x	x	x
Ortho Phosphorous	SM 4500P E	x		x
Oxyhalides Disinfection Byproducts	EPA 317.0	x		x
Perchlorate	EPA 331.0	x		x
Perchlorate (low and high)	EPA 314.0	x		x
Perfluorinated Alkyl Acids	EPA 537	x		x
Perfluorinated Polutant	In house Method (2434)	x		x
pH	EPA 150.1	x		
pH	SM 4500-H+B	x	x	x
Phenylurea Pesticides/ Herbicides	In House Method, based on EPA 532 (2448)	x		x
Pseudomonas	IDEXX Pseudalert (2461)	x		x
Radium-226	GA Institute of Tech	x		x
Radium-228	GA Institute of Tech	x		x
Radon-222	SM 7500RN	x		x
Residue, Filterable	SM 2540C	x	x	x
Residue, Non-filterable	SM 2540D		x	
Residue, Total	SM 2540B		x	x
Residue, Volatile	EPA 160.4		x	
Semi-VOC	EPA 525.2	x		x
Silica	SM 4500-Si D	x	x	
Silica	SM 4500-SiO2 C	x	x	
Sulfide	SM 4500-$S^{=}$ D		x	
Sulfite	SM 4500-SO^{3}B	x	x	x
Surfactants	SM 5540C	x	x	x
Taste and Odor Analytes	SM 6040E	x		x
Total Coliform (P/A)	SM 9221 A, B	x		x
Total Coliform (Enumeration)	SM 9221 A, B, C	x		x
Total Coliform / E. coli	Colisure SM 9223	x		x
Total Coliform	SM 9221B		x	
Total Coliform with Chlorine Present	SM 9221B		x	
Total Coliform / E.coli (P/A and Enumeration)	SM 9223	x		x
TOC	SM 5310C	x	x	x
TOX	SM 5320B		x	
Total Phenols	EPA 420.1		x	
Total Phenols	EPA 420.4	x	x	x
Total Phosphorous	SM 4500 P E		x	
Triazine Pesticides & Degradates	In House (3617)	x		x
Turbidity	EPA 180.1	x	x	x
Turbidity	SM 2130B	x	x	
Uranium by ICP/MS	EPA 200.8	x		x
UV 254	SM 5910B	x		
VOC	EPA 524.2	x		x
VOC	In House Method (2411)	x		x
Yeast and Mold	SM 9610	x		x
Field Sampling	N/A			

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Subcontract to
Eurofins Eaton Analytical, Inc.

897788

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Stronium 250 ml(AGT)										Map Ref.
1	20J0139-01	10/06/20	11:45	G	WW				1										

Remarks:

Relinquished Date: Time: 10/12/20 17:30

Received By: GLS Date: Time:

Relinquished Date: Time:

Received By: Chris Brooks Date: 10/13/20 Time: 1041

Relinquished Date: Time:

Received By: Date: Time:

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INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 847788

SAMPLE TEMP RECEIVED:

Note: If samples are out of temperature range, let the ASMs know. ASMs will determine whether to proceed with analysis or not.

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 6016 (Observation= 13.2 °C) (Corr.Factor -0.3 °C) (Final = 12.8 °C)

TYPE OF ICE: Real ____ Synthetic ____ No Ice X **CONDITION OF ICE:** Frozen ____ Partially Frozen ____ Thawed ____ N/A X

METHOD OF SHIPMENT: Pick-Up / Walk-In / FedEx / UPS / DHL / Area Fast / Top Line / Other: GLS

Compliance Acceptance Criteria: 550764017

1) **Chemistry:** >0, ≤6°C, not frozen (NELAP) (If received after 24 hrs of sample collection)

2) **Microbiology, Distribution:** < 10°C, not frozen (can be ≥10°C if received on ice the same day as sample collection, within 8 hours)

3) **Microbiology, Surface Water:** < 10°C (If received after 2 hours of sample collection)

If out of temperature range for both Chemistry and Microbiology samples and temperature does not confirm, then measure the temperature of each quadrant and record each temperature of the quadrants

1 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	2 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)
3 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)	4 = (Observation= ____ °C) (Corr.Factor ____ °C) (Final = ____ °C)

4 **Dioxin (1613 or 2,3,7,8 TCDD):** must be between 0-4 °C, not frozen (If received after 24 hrs of sample collection)

5) **pH Check.** Manufacturer: ____ Lot Number: ____ pH strip type: 0 - 14 or ____ Expiration Date ____ Results: ____

6) **Chlorine check.** Manufacturer: Sansafe. Lot No.: ____ Expiration Date: ____ Results ____

7) **VOA and Radon Headspace:** **No Samples with Headspace:** ☐ **Samples with Headspace (see below):** ☐

Headspace Documentation (use additional VOC and Radon Internal COFC for additional bottles)

Exempt from headspace concerns: Methods 515.4, HAA(6251,552), 505, SPME, @CH, 532LCMS, 556, 536, Anatoxin, LCMS methods using 40 ml vials, International clients:

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Samp ID	Bottle #	None/<6 mm	>6mm

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): ____

RECEIVED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
	Chris Bach	Chris Bach	Eurofins Eaton Analytical	10/13/20	1041

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eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, St. Louis
13715 Rider Trail North
Earth City, MO 63045
Tel: (314)298-8566

Laboratory Job ID: 160-39946-1
Laboratory Sample Delivery Group: 897788
Client Project/Site: 897788

For:
Eurofins Eaton Analytical
750 Royal Oaks Drive
Monrovia, California 91016

Attn: Reports To

Rhonda Ridenhower

Authorized for release by:
11/2/2020 10:37:13 PM

Rhonda Ridenhower, Client Service Manager
(314)298-8566
Rhonda.Ridenhower@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative 3
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Receipt Checklists 6
Definitions/Glossary 7
Method Summary 8
Sample Summary 9
Client Sample Results 10
QC Sample Results 11
QC Association Summary 12
Tracer Carrier Summary 13

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Submittal Form

Date: 10/15/2020

REPORTING REQUIRMENTS:** ***Do Not Combine Reports with any other samples submitted under different Folder Numbers!
Report & Invoice must have the Folder # **897788** Job # **1000014**

Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report.
Results must have Complete data & QC with Approval Signature.

Ship To:
`TestAmerica St Louis
13715 Rider Trail North

Earth City, MO 63045

Phone: 314-298-8566 Fax: 314-298-8757

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
Phone (626) 386-1165 Fax (626) 386-1122
Invoices to: Eurofins Eaton Analytical, LLC
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605

Provide in each Report the Specified StateCertification # and Exp Date for requested tests + matrix.

Samples from: **CALIFORNIA**

Folder #: 897788
Report Due: 11/12/2020

Sample ID	Client Sample ID for reference onl	Sample Date & Time	Matrix	PWS Systemcode	PWSID
202010130126	20J0139-01	10/06/20 1145	DW		JLS

Sample type:	Sample Event:	Facility ID:	Sample Point ID:	Static ID:

Method	Prep Method	Analysis Requested
EPA 905.0		Strontium-90 (sub)

160-39946 Chain of Custody

Relinquished by: Sample Control Date 10-15-20 Time 1027

Received by: FED EX Date _____ Time _____

Relinquished by: FED EX Sample Control Date _____ Time _____

Received by: Date 10/16/2020 Time 0856

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

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November 6, 2020

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2014004

Enclosed please find results for the following sample(s) which were received by FGL.

- Dioxin 2,3,7,8-TCDD1613

Please note that this analysis was performed by Vista Analytical Laboratory

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2020-11-06

Enclosure

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ANALYTICAL RESULTS

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DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
K	EMPC (specific projects only)
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Subcontract to
Vista Analytical Laboratory

2002151 4.2°C

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Dioxin-Dioxin 2,3,7,8-TCDD1613 1000ml(AGT)									
1	20J0139-01	10/06/20	11:45	G	WW				1									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
[signature]	10/12/20	17:30	GLS	10/13/20	10:30			
Received By:	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**	**Received By:**	**Date:**	**Time:**
GLS			William R Wright	10/13/20	10:30			

Vista Analytical Laboratory

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2002151 TAT Std

Samples Arrival:	**Date/Time** 10/13/20 10:30		**Initials:** WRW			**Location:** WR-2 **Shelf/Rack:** NA	
Delivered By:	FedEx	UPS	On Trac	GLS	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Techni Ice	Dry Ice	None
Temp °C: 4.2 (uncorrected) **Temp °C:** 4.2 (corrected)			**Probe used: Y / N**			**Thermometer ID:** IR-3	

	YES	NO	NA
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?			X
Airbill — Trk # 550764030	✓		
Shipping Documentation Present?	✓		
Shipping Container: Vista / Client / Retain / Return / Dispose	✓		
Chain of Custody / Sample Documentation Present?	✓		
Chain of Custody / Sample Documentation Complete?	✓		
Holding Time Acceptable?	✓		

Logged In:	**Date/Time** 10/13/20 1210	**Initials:** KS	**Location:** WR-2 **Shelf/Rack:** B-3
COC Anomaly/Sample Acceptance Form completed?		✓	-

Comments:

CoC/Label Reconciliation Report WO# 2002151

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2002151-01	A 20J0139-01 ☑		06-Oct-20 11:45 ☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma (None) Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments:

Verifed by/Date: RS 10/13/20

SUBCONTRACT ORDER

Pat-Chem Laboratories

20J0139 20140094

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Stephen Berentsen

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 20J0139-01 **Water**	**Sampled: 06-Oct-20 11:45**			**Wastewater/IPC [MCC] EFF-Quarterly**
• Tritium (Sub out)	21-Oct-20 12:00	08-Oct-20 11:45		
• Sr-90 (Strontium 90)	21-Oct-20 12:00	04-Apr-21 11:45		
• Radium 226 228	21-Oct-20 12:00	04-Apr-21 11:45		
• Perchlorate 314.0	21-Oct-20 12:00	03-Nov-20 11:45		
• Gross beta SUB	21-Oct-20 12:00	04-Apr-21 11:45		
• Gross alpha SUB	21-Oct-20 12:00	04-Apr-21 11:45		
Dioxin 2,3,7,8-TCDD 1613	21-Oct-20 12:00	13-Oct-20 11:45		
•549 Diquat	21-Oct-20 12:00	13-Oct-20 11:45		
• 548.1 Endothall	21-Oct-20 12:00	13-Oct-20 11:45		
• 547 Glyphosate	21-Oct-20 12:00	20-Oct-20 11:45		
Containers Supplied:				

Released By OCT 09 2020 07:00AM Date — Received By X — Date

Released By — Date — Received By — 10/12/20 1340 Date

Subcontract to
Vista Analytical Laboratory

Map Ref.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Dioxin-Dioxin 2,3,7,8-TCDD1613 1000ml(AGT)									
1	20J0139-01	10/06/20	11:45	G	WW				!									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

Subcontract to
Eurofins Eaton Analytical, Inc.

Client: **Fruit Growers Laboratory, Inc.**
Address: FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:

Contact Person:

Project Name: **SP 2014004 - (2-12670)**

Purchase Order Number:

Sampler(s) Not Available

Compositor Setup Date: ___/___/___ Time: ___/___

Lab Number:

Map Ref.

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite(C) Grab(G)	Type of Sample **SEE REVERSE SIDE**	Potable(P) Non-Potable(NP) Ag Water(AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Stronium 250 ml(AGT)									
1	20J0139-01	10/06/20	11:45	G	WW				1									

Remarks:

Relinquished	Date:	Time:	Relinquished	Date:	Time:	Relinquished	Date:	Time:
Received By:	Date:	Time:	Received By:	Date:	Time:	Received By:	Date:	Time:

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0139

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Quarterly

Address: 9297 Research Drive
Irvine CA 92618
Sampled by:
P.O. #:
Report Attention: Ric Vardel / Golan Kfir
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/06/20	1145	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	7.1 | 26.3
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate (Sub-Out)	Grab	AQ	1L G	4°C	
			1	548 Endothall (Sub-Out)	Grab	AQ	1L G	4°C	
			1	549 Diquat (Sub-Out)	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8 TCDD (Sub-Out)	Grab	AQ	1L G	4°C	

RECEIVED
OCT 06 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Calt)	10/06/20	1200
Received by		Cindy Martinez	10-6-20	2:30
Relinquished by		Cindy Martinez	10/7/20	15:30
Received by				
Relinquished by				
Received in lab by		OCT 06 2020		1604

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Oct-20 13:41
Subject: (MCC) Daily EFF

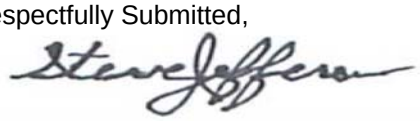
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0173-01) Collected: 07-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00734	1.8	07-Oct-20	09-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00734	1.8	07-Oct-20	09-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00825	0.1	07-Oct-20	07-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00743	0.05	07-Oct-20	07-Oct-20	**0.11 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/9/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample 20J0173

Sample I.D.#: ~~20J0163~~ EB

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/07/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 07 2020
By EG

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAL)	10/07/20	1400
Received by	EB	Carlos (PCL)	10/7/20	1400
Relinquished by	EB	Carlos (PCL)	10/7/20	1515
Received by				
Relinquished by				
Received in lab by	EVAN Garcia	PCL	10/7/20	1545

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO - Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-20 17:35
Subject: (MCC) Weekly EFF

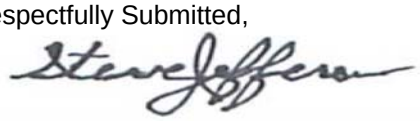
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0165-01) Collected: 07-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ00819	1	08-Oct-20	08-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ00904	0.10	09-Oct-20	09-Oct-20	**0.14 mg/l**	
Nitrate as N	EPA 353.2	AJ00822	0.05	08-Oct-20	08-Oct-20	**0.14 mg/l**	
Nitrite as N	EPA 353.2	AJ00822	0.05	08-Oct-20	08-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ01215	0.10	12-Oct-20	15-Oct-20	**1.11 mg/l**	
EFF (Sample I.D.# : 20J0165-02) Collected: 06-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ00820	2	08-Oct-20	13-Oct-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0165

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/07/20	1130	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	10/06/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 07 2020

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cal)	10/07/20	1400
Received by			10/7/20	1400
Relinquished by			10/7/20	1515
Received by				
Relinquished by				
Received in lab by		OCT 07 2020		1437

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Oct-20 14:45
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0164-01) Collected: 07-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ00819	1	08-Oct-20	08-Oct-20	**111 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ00820	2	08-Oct-20	13-Oct-20	**296 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/13/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0164

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/07/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 07 2020
BY

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	10/07/20	1400
Received by	Eb Emanuel (PM)	10/7/20	1400
Relinquished by	Eb [illegible] (PM)	10/7/20	1515
Received by			
Relinquished by			
Received in lab by		OCT 07 2020	1435

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO - Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Oct-20 17:43
Subject: (MCC) Daily EFF

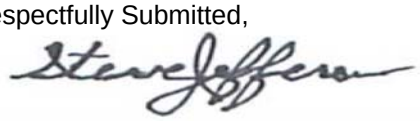
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0206-01) Collected: 08-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00829	1.8	08-Oct-20	10-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00829	1.8	08-Oct-20	10-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ00907	0.1	08-Oct-20	08-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ00906	0.05	09-Oct-20	09-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0206

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:**		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/08/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (Cal.)	10/8/20	1300
Received by			10/8/20	1300
Relinquished by			10/8/20	1420
Received by				
Relinquished by				
Received in Lab by		OCT 08 2020		1310

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) Sodium Thiosulfate
(P) Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Oct-20 17:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0239-01) Collected: 09-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ00909	1.8	09-Oct-20	11-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ00909	1.8	09-Oct-20	11-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01007	0.1	09-Oct-20	09-Oct-20	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01005	0.05	10-Oct-20	10-Oct-20	**0.15 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2050239

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: Ric Vardel / Golan Kfir
P.O. #:
Report Attention:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/09/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1 / 24.5
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera Case	10-9-20	11:15
Received by		Cinar Maritime	10-9-20	11:15
Relinquished by		Cinar Maritime (FedEx)	10-9-20	1337
Received by	Eb	Cinar pm	10.9.20	1350
Relinquished by				
Received in lab by	Eb	Cinar pm	10.9.20	1350

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp 10/09

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Oct-20 17:48
Subject: (MCC) Daily EFF

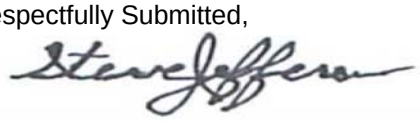
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0245-01) Collected: 10-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01004	1.8	10-Oct-20	12-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01004	1.8	10-Oct-20	12-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01120	0.1	10-Oct-20	10-Oct-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01119	0.05	11-Oct-20	11-Oct-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/14/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0245

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Jen Jadlow	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/10/2020	09:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.92/22.1°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Jen Jadlow IPC	10/10/2020	09:10
Received by	MARIO SANTIESTEBAN (PCL)	10/10/20	0910
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	10/10/20	1555

Sample Received Checklist 4°C

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.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-20 17:37
Subject: (MCC) Daily EFF

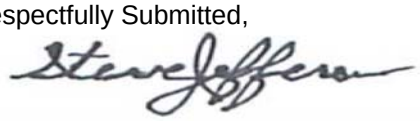
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0250-01) Collected: 11-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01118	1.8	11-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01118	1.8	11-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01426	0.1	11-Oct-20	11-Oct-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01218	0.05	12-Oct-20	12-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 26J0250

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ben Jadeon	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/11/2020	09:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
		"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name	(Company)	Date	Time
Relinquished by	Ben Jadeon	IPC	10/11/2020	09:15
Received by	RM	PCL	10/11/2020	1450
Relinquished by				
Received by				
Relinquished by				
Received in lab by	RM	PCL	10/11/2020	1648

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type (P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-20 17:39
Subject: (MCC) Daily EFF

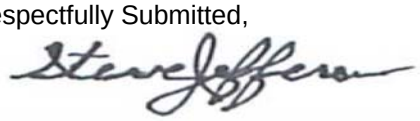
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0264-01) Collected: 12-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01217	1.8	12-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01217	1.8	12-Oct-20	14-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01426	0.1	12-Oct-20	12-Oct-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01329	0.05	13-Oct-20	13-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2005264

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/12/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 12 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/12/20	1230
Received by			10/12/20	1230
Relinquished by			10/12/20	1330
Received by				
Relinquished by				
Received in lab			OCT 12 2020	1305

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-20 17:42
Subject: (MCC) Daily EFF

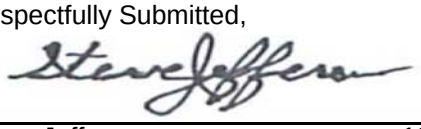
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0296-01) Collected: 13-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01332	1.8	13-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01332	1.8	13-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01426	0.1	13-Oct-20	13-Oct-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01425	0.05	14-Oct-20	14-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0794

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Rick Tardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field, Lab
EFF	10/13/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.59/24.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

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OCT 13 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	10/13/20	1135
Received by		Armando Olmos (PCL)	10/13/20	12:20
Relinquished by		Raul Olmos (PCL)	10/13/20	1255
Received by				
Relinquished by				
Received in lab by		OCT 13 2020		1338

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 19-Oct-20 17:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0325-01) Collected: 14-Oct-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01429	1.8	14-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01429	1.8	14-Oct-20	16-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01442	0.1	14-Oct-20	14-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01440	0.05	14-Oct-20	14-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2050325

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Daily
Sampled by: Yuki Lee
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	10-14-20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.3/24.4°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Yuki Lee	101420	11:30
Received by	Cindy Martinez (SCC)	10/14/20	11:30
Relinquished by	Cindy Martinez (SCC)	10/14/20	14:40
Received by			
Relinquished by			
Received in lab by	OCT 14 2020		13:46

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 16:00
Subject: (MCC) Weekly EFF

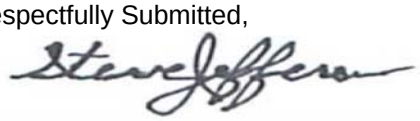
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0328-01) Collected: 14-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ01616	1	16-Oct-20	20-Oct-20	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ01609	0.10	16-Oct-20	16-Oct-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ01527	0.05	15-Oct-20	15-Oct-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AJ01527	0.05	15-Oct-20	15-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ02027	0.10	20-Oct-20	21-Oct-20	**0.37 mg/l**	
EFF (Sample I.D.# : 20J0328-02) Collected: 14-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ01528	2	15-Oct-20	20-Oct-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0328

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Julio Leal	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/14/20	11:30	1	TSS	Grab	AQ	1L P	4°C	7.3 / ~~7.6~~ 26.5 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 14 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	10/14/20	11:30
Received by	Cindy Martinez	10/14/20	11:30
Relinquished by	Cindy Martinez (IPC)	10-14-20	1440
Received by			
Relinquished by			
Received in Lab by	OCT 14 2020		1353

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 16:22
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0327-01) Collected: 14-Oct-20 By JL							
Physical Properties							
Total Suspended Solids	SM2540D	AJ01616	1	16-Oct-20	20-Oct-20	**516 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ01528	2	15-Oct-20	20-Oct-20	**520 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0327

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Julio Leal	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/14/20	11:30	1	TSS	Comp	AQ	1L P	4°C	6.8/16.6°C
	〃	〃	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	101420	11:30
Received by	Cindy Martinez (IPC)	10/14/20	11:30
Relinquished by	Cindy Martinez (IPC)	10 14 20	14:00
Received by			
Relinquished by			
Received in lab by	OCT 14 2020		13:52

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-20 17:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0358-01) Collected: 15-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01533	1.8	15-Oct-20	17-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01533	1.8	15-Oct-20	17-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01610	0.1	15-Oct-20	15-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01608	0.05	16-Oct-20	16-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0358

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: CV
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/15/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CV	Carlos Alvarez (PCL)	10/15/20	1230
Received by	EB	[illegible] PM	10/15/20	1230
Relinquished by	EB	[illegible] PM	10/15/20	1300
Received by				
Relinquished by				
Received by		OCT 15 2020		1320

Sample Received Checklist

Temperature upon receipt: 4.1 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	ON - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-20 17:49
Subject: (MCC) Daily EFF

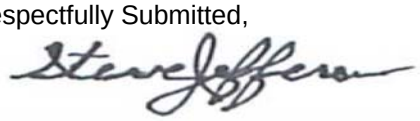
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0378-01) Collected: 16-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01615	1.8	16-Oct-20	18-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01615	1.8	16-Oct-20	18-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ01709	0.1	16-Oct-20	16-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01708	0.05	17-Oct-20	17-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/19/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0378

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive
Address: Irvine CA 92618

Project : (MCC) EFF - Daily

Sampled by: Ric Vardel / Golan Kfir

Report Attention:

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/16/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
OCT 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPE)	10/16/20	1140
Received by	EB		10/16/20	1140
Relinquished by	EB		10/16/20	1330
Received by				
Relinquished by				
Received by			OCT 16 2020	1253

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli)- bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST)- Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:41
Subject: (MCC) Daily EFF

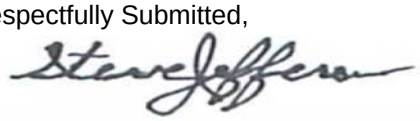
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0395-01) Collected: 17-Oct-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01707	1.8	17-Oct-20	19-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01707	1.8	17-Oct-20	19-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	17-Oct-20	17-Oct-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01718	0.05	17-Oct-20	17-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0395

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Mario Aguirre

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/17/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 17 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	10/17/20	9:55
Received by	Alex Walker Jr.	10/17/20	1140
Relinquished by			
Received by			
Relinquished by			
Received by		OCT 17 2020	1414

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0400-01) Collected: 18-Oct-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01833	1.8	18-Oct-20	20-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01833	1.8	18-Oct-20	20-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	18-Oct-20	18-Oct-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ01933	0.05	19-Oct-20	19-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0400

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/18/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/18/20	9:50
Received by		RM PCL	10/18/20	1441
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	10/18/20	1645

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type (P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0418-01) Collected: 19-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ01928	1.8	19-Oct-20	21-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ01928	1.8	19-Oct-20	21-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	19-Oct-20	19-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02032	0.05	20-Oct-20	20-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0418

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/19/20	1150	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	7.33/14.6°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 19 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/19/20	17:15
Received by		Armando Alvarez (IPC)	10/19/20	17:15
Relinquished by		Armando Alvarez (IPC)	10-19-20	13:20
Received by				
Relinquished by				
Received in lab by			OCT 19 2020	1338

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0448-01) Collected: 20-Oct-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02033	1.8	20-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02033	1.8	20-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02128	0.1	20-Oct-20	20-Oct-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02127	0.05	21-Oct-20	21-Oct-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0448

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/20/20	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/20.8
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	10/20/20	12:35
Received by:	Cindy Martinez	10/20/20	12:35
Relinquished by:	Cindy Martinez	10/20/20	13:45
Received by:			
Relinquished by:			
Received in lab by:		OCT 20 2020	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 16:24
Subject: (MCC) Weekly INF

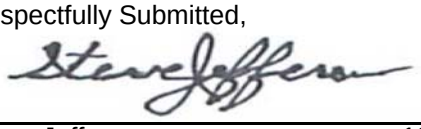
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0478-01) Collected: 20-Oct-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02232	1	22-Oct-20	23-Oct-20	**237 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02225	2	22-Oct-20	27-Oct-20	**372 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20JO478

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/20/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 21 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/21/20	1200
Received by			10/21/20	1200
Relinquished by			10/21/20	1415
Received by				
Relinquished by				
Received in lab by		OCT 21 2020		1251

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:52
Subject: (MCC) Daily EFF

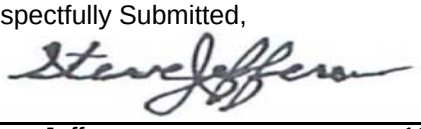
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0475-01) Collected: 21-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02130	1.8	21-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02130	1.8	21-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02229	0.1	21-Oct-20	21-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02228	0.05	22-Oct-20	22-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0475

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: CA

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/21/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CA	Carlos Allen (CAE)	10/21/20	1200
Received by	EG	pd	10/21/20	1200
Relinquished by	EG	pd	10/21/20	1415
Received by				
Relinquished by				
Received by		OCT 21 2020		1237

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, (ST) - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 16:03
Subject: (MCC) Weekly EFF

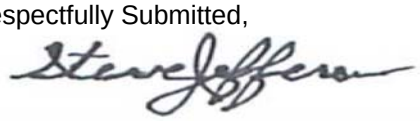
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0477-01) Collected: 21-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02232	1	22-Oct-20	23-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ02226	0.10	22-Oct-20	22-Oct-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ02224	0.05	22-Oct-20	22-Oct-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AJ02224	0.05	22-Oct-20	22-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ02134	0.10	21-Oct-20	23-Oct-20	**0.55 mg/l**	
EFF (Sample I.D.# : 20J0477-02) Collected: 20-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02225	2	22-Oct-20	27-Oct-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0477

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/21/20	1110	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	10/20/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/21/20	1200
Received by	Eb	Carlos pm	10/21/20	1200
Relinquished by	Eb	Carlos pm	10/21/20	1415
Received by				
Relinquished by				
Received in lab by		OCT 21 2020		1243

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type	Preservations
(Grab) Comp	(AQ) - Water	(P) - Plastic	HC - HCl
	SO -Soil / Sludge	G - Amber Glass	HS - H_2SO_4
	OT - Other	VOA - 40 ml Vial	HN - HNO_3
		Coli - bacteria	HP - H_3PO_4
			OH - NaOH
			ST - Sodium Thiosulfate
			AA - Ascorbic Acid
			AI - $AlCl_3$
			Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:54
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0501-01) Collected: 22-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02235	1.8	22-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02235	1.8	22-Oct-20	24-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02307	0.1	22-Oct-20	22-Oct-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02306	0.05	23-Oct-20	23-Oct-20	**0.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0501

Customer: IPC - Integrated Performance Consultants, Inc.

Project: **(MCC) EFF - Daily**

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: C.

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/22/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 22 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/22/20	1130
Received by	EG	Guard	10/22/20	1130
Relinquished by	EG	Cube	10/22/20	1330
Received by				
Relinquished by				
Received in lab by		OCT 22 2020		1226

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 27-Oct-20 15:56
Subject: (MCC) Daily EFF

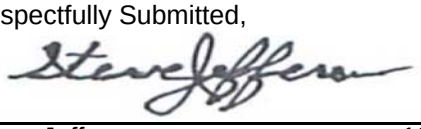
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0530-01) Collected: 23-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02312	1.8	23-Oct-20	25-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02312	1.8	23-Oct-20	25-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02405	0.1	23-Oct-20	23-Oct-20	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02408	0.05	24-Oct-20	24-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/27/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0530

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/23/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.91 24.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/23/20	12:00
Received by		Cindy Martinez	10/23/20	12:00
Relinquished by		Cindy Martinez	10/23/20	13:11
Received by				
Relinquished by				
Received in Lab by		OCT 23 2020		12:13

Sample Received Checklist

Temperature upon receipt: +1°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 29-Oct-20 09:48
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0539-01) Collected: 24-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02404	1.8	24-Oct-20	26-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02404	1.8	24-Oct-20	26-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02527	0.1	24-Oct-20	24-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02526	0.05	25-Oct-20	25-Oct-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0539

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ben Jaskow	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/24/2020	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jaskow IPC	10/24/2020	1215
Received by	Alex Walk Jr	10/24/20	1215
Relinquished by			
Received by			
Relinquished by			
Received by	OCT 24 2020		1451

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (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 LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Oct-20 09:50
Subject: (MCC) Daily EFF

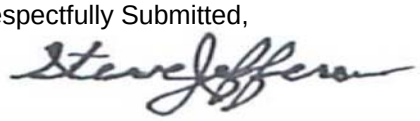
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0544-01) Collected: 25-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02525	1.8	25-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02525	1.8	25-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	25-Oct-20	28-Oct-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02619	0.05	26-Oct-20	26-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0544

(MCC) EFF - Daily

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~

Project :

Address: ~~9297 Research Drive~~ Irvine ~~CA~~ ~~92618~~

Sampled by: Jon Jasson

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/25/2020	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	10/25/2020	10:10	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Jon Jasson	10/25/2020	
Received by		RM PCL	10/25/2020	1430
Relinquished by				
Received by				
Relinquished by				
Received in lab by		RM PCL	10/25/2020	1608

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow ——

Final Flow ——

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

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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: 29-Oct-20 09:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0558-01) Collected: 26-Oct-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02624	1.8	26-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02624	1.8	26-Oct-20	28-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	26-Oct-20	28-Oct-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02723	0.05	27-Oct-20	27-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 10/29/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0558

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/26/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.73/20.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olmos (PCL)	10/26/20	1120
Received by		Armando Olmos (PCL)	10/26/20	12:20
Relinquished by		Armando Olmos (PCL)	10/26/20	14:25
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	10/26/20	1445

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**AI** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Oct-20 11:59
Subject: (MCC) Daily EFF

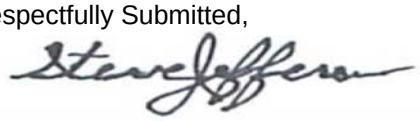
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0572-01) Collected: 27-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02727	1.8	27-Oct-20	30-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02727	1.8	27-Oct-20	30-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	27-Oct-20	28-Oct-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02830	0.05	28-Oct-20	28-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 10/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2030572

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: CA	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/27/20	1015	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.87/17.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/27/20	1030
Received by		Arnie Oh (PCL)	10/27/20	12:15
Relinquished by		Arnie Oh (PCL)	10/27/20	13 hr
Received by				
Relinquished by				
Received in lab by				1241

OCT 27 2020

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(G) ~~Grab~~
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Nov-20 11:45
Subject: (MCC) Daily EFF

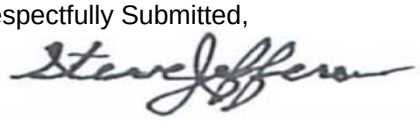
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0606-01) Collected: 28-Oct-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02829	1.8	28-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02829	1.8	28-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ02833	0.1	28-Oct-20	28-Oct-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ02935	0.05	29-Oct-20	29-Oct-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2030606

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/28/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.89 / 24.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 28 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/28/20	12:00
Received by		Angie Olvera (PCL)	10/28/20	12:20
Relinquished by		Armando Olmos (PCL)	10/28/20	14:10
Received by				
Relinquished by				
Received in lab by		OCT 28 2020		1251

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) Water, SO -Soil / Sludge, OT - Other

Bottle Type: (P) Plastic, G - Amber Glass, VOA - 40 ml Vial, (Coli) - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, (ST) - Sodium Thiosulfate, AA - Ascorbic Acid, AI - $AlCl_3$, Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Nov-20 16:31
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0605-01) Collected: 28-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02931	1	29-Oct-20	29-Oct-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ03009	0.10	30-Oct-20	30-Oct-20	**0.14 mg/l**	
Nitrate as N	EPA 353.2	AJ02934	0.05	29-Oct-20	29-Oct-20	**0.07 mg/l**	
Nitrite as N	EPA 353.2	AJ02934	0.05	29-Oct-20	29-Oct-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK00223	0.10	02-Nov-20	02-Nov-20	**0.63 mg/l**	
EFF (Sample I.D.# : 20J0605-02) Collected: 27-Oct-20 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02937	2	29-Oct-20	03-Nov-20	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20 J0605

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Rie Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/28/20	1150	1	TSS	Grab	AQ	1L P	4°C	7.38 / 24.7°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	10/27/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/28/20	12:20
Received by		[illegible] (IPC)	10.28.20	12:20
Relinquished by		[illegible] (IPC)	10/28/20	14:40
Received by				
Relinquished by				
Received in lab by		OCT 28 2020		1245

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Nov-20 16:34
Subject: (MCC) Weekly INF

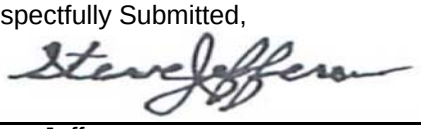
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20J0608-01) Collected: 28-Oct-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ02931	1	29-Oct-20	29-Oct-20	**278 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ02937	2	29-Oct-20	03-Nov-20	**398 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0608

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project : (MCC) INF - Weekly
Sampled by:
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/27/20	0000	1	TSS	Comp	AQ	1L P	4°C	7.47 / 15.1°C
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
OCT 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (IPC)	10/28/20	12:20
Received by		Armando Olivas (IPC)	10/28/20	12:20
Relinquished by		Armando Olivas (IPC)	10/28/20	14:10
Received by				
Relinquished by				
Received in lab by		OCT 28 2020		1314

Sample Received Checklist 4°C

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water; SO - Soil / Sludge; OT - Other
Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations:
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Nov-20 11:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0638-01) Collected: 29-Oct-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ02933	1.8	29-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ02933	1.8	29-Oct-20	31-Oct-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ03104	0.1	29-Oct-20	29-Oct-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ03012	0.05	30-Oct-20	30-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0638

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Julio Leal
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/29/20	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.99 / 14.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 29 2020
By Alex Valle Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	10/29/20	12:15
Received by	Amanda Olivas (PCL)	10/29/20	12:15
Relinquished by	Amanda Olivas (PCL)	10/29/20	14:10
Received by			
Relinquished by			
Received in lab by		OCT 29 2020	1238

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Nov-20 11:49
Subject: (MCC) Daily EFF

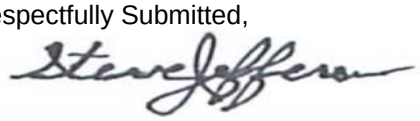
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0661-01) Collected: 30-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ03014	1.8	30-Oct-20	01-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ03014	1.8	30-Oct-20	01-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ03104	0.1	30-Oct-20	30-Oct-20	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ03107	0.05	31-Oct-20	31-Oct-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/2/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2030661

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~

Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~

Project : ~~(MCC) EFF - Daily~~

Sampled by: [signature]

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10/30/20	1145	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.95/22.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (Cal)	10/30/20	12:10
Received by	[signature]	Armando Almos (PCL)	10/30/20	12:10
Relinquished by	[signature]	Armando Almos (PCL)	10/30/20	14:05
Received by				
Relinquished by				
Received in lab by	[signature]	MARIO SANTESTEBAN	10/30/20	1405

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
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: 05-Nov-20 16:41
Subject: (MCC) Daily EFF

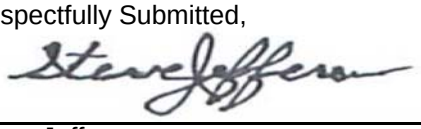
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20J0670-01) Collected: 31-Oct-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AJ03114	1.8	31-Oct-20	02-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ03114	1.8	31-Oct-20	02-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ03116	0.1	31-Oct-20	31-Oct-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ03115	0.05	31-Oct-20	31-Oct-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/5/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20J0670

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) EFF - Daily

Project:

Address: ~~9297 Research Drive~~ Irvine CA 92618

Sampled by: Mario Aguirre

Report Attention: Ric Vardej / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/31/20	9:58	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:58	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
OCT 31 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/31/20	10:03
Received by		Alex Nava Jr.	10/31/20	12:20
Relinquished by				
Received by				
Relinquished by				
Received in lab by			OCT 31 2020	1447

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) -bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) -Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0004-01) Collected: 01-Nov-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AK00126	1.8	01-Nov-20	03-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00126	1.8	01-Nov-20	03-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	01-Nov-20	01-Nov-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00222	0.05	02-Nov-20	02-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20k0004

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Marie Aguirre	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/01/20	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	9:30	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	11/01/20	9:35
Received by		PCL	11/1/20	1450
Relinquished by				
Received by				
Relinquished by				
Received in lab by		PCL	11/1/2020	1629

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH (ST) - Sodium Thiosulfate
Bottle Type (P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:47
Subject: (MCC) Daily EFF

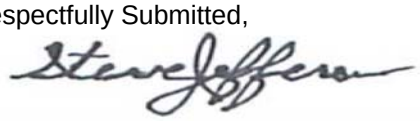
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0017-01) Collected: 02-Nov-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00224	1.8	02-Nov-20	05-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00224	1.8	02-Nov-20	05-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	02-Nov-20	02-Nov-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00322	0.05	03-Nov-20	03-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0017

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) EFF - Daily

Project :

Address: ~~9297 Research Drive~~ Irvine CA 92618

Sampled by:

Report Attention: Riz Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/02/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.01 / 22.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR10000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Ref)	11/02/20	12:20
Received by		Armando Olmos (PCL)	11/2/20	12:20
Relinquished by		Armando Olmos (PCL)	11/2/20	15:35
Received by				
Relinquished by				
Received in lab by		NOV 02 2020		1336

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: 10-Nov-20 16:43
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0022-01) Collected: 02-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AK00328	5	03-Nov-20	04-Nov-20	**864 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AK00430	20.0	04-Nov-20	04-Nov-20	**241 mg/l**	
Sulfate as SO4	EPA 300.0	AK00430	10.0	04-Nov-20	04-Nov-20	**118 mg/l**	
Boron	EPA 200.7	AK00320	0.10	03-Nov-20	04-Nov-20	**0.26 mg/l**	
Phosphorus, Total as P	EPA 365.3	AK00825	0.50	08-Nov-20	08-Nov-20	**2.94 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK00323	0.08	03-Nov-20	03-Nov-20	**0.08 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AK00420	5	04-Nov-20	04-Nov-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0022

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	Sampled by:	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/02/20	11:30	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.02/22.1°C
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

RECEIVED
NOV 02 2020

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (SPC)	11/02/20	17:20
Received by		Ramiro Olvera (PCL)	11/2/20	17:20
Relinquished by		Armando Olvera (PCL)	11/2/20	15:35
Received by				
Relinquished by				
Received for lab by		NOV 02 2020		1405

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0043-01) Collected: 03-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00324	1.8	03-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00324	1.8	03-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	03-Nov-20	03-Nov-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00518	0.05	05-Nov-20	05-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0043

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Golan Kfir	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/3/20	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/25.2 C
	"	11:15	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 03 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/3/20	11:20
Received by:	Cindy Martinez	11/3/20	1120
Relinquished by:	Cindy Martinez	11/3/20	13:52
Received by:			
Relinquished by:			
Received in lab by:	NOV 03 2020		1200

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab), Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:37
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0085-01) Collected: 03-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK00610	1	06-Nov-20	06-Nov-20	**568 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK00521	2	05-Nov-20	10-Nov-20	**266 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0085

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/03/20	0000	1	TSS	Comp	AQ	1L P	4°C	
1	1	1	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	11/04/20	1320
Received by		Armando Alvarez (PCL)	11/4/20	1320
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/4/20	1320

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 10-Nov-20 16:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0091-01) Collected: 04-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00427	1.8	04-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00427	1.8	04-Nov-20	07-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	04-Nov-20	04-Nov-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00518	0.05	05-Nov-20	05-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0091

IPC - Integrated Performance Consultants, Inc

Customer: 9297 Research Drive		**Project :** (MCC) EFF - Daily	
Address: Irvine CA 92618	**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:**	
	Report Attention:	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/04/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.87 21.6°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	11/04/20	17:20
Received by	Hanna Chu (PCL)	11/4/20	17:20
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARJO SANTIESTEBAN (PCL)	11/4/20	1328

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 10-Nov-20 16:41
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0095-01) Collected: 04-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK00610	1	06-Nov-20	06-Nov-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK00937	0.10	09-Nov-20	09-Nov-20	**0.28 mg/l**	
Nitrate as N	EPA 353.2	AK00524	0.05	05-Nov-20	05-Nov-20	**0.06 mg/l**	
Nitrite as N	EPA 353.2	AK00524	0.05	05-Nov-20	05-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK00935	0.10	09-Nov-20	10-Nov-20	**0.81 mg/l**	
EFF (Sample I.D.# : 20K0095-02) Collected: 03-Nov-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK00521	2	05-Nov-20	10-Nov-20	**6 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0095

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** C	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/04/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.87/21.2°C
	〃	〃	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	〃	〃	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/03/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C	Carlos Alvarez (GAP)	11/04/20	1320
Received by		Arnulfo Olmos (PCL)	11/4/20	1320
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/4/20	1320

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0133-01) Collected: 05-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00523	1.8	05-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00523	1.8	05-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	05-Nov-20	05-Nov-20	**8.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00609	0.05	06-Nov-20	06-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0133

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~ (MCC) EFF - Daily

Project:

Address: ~~9297 Research Drive~~ Irvine CA 92618

Sampled by: C.A

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/25/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.20/15.0°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 05 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/05/20	12:15
Received by		Armando Olmos (PCL)	11/5/20	12:15
Relinquished by		Armando Olmos (PCL)	11/5/20	13:40
Received by				
Relinquished by				
Received in Lab by		NOV 05 2020		1249

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 16:57
Subject: (MCC) Daily EFF

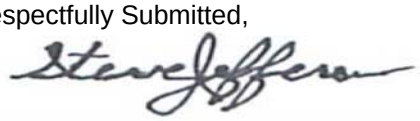
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0164-01) Collected: 06-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00612	1.8	06-Nov-20	08-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00612	1.8	06-Nov-20	08-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00706	0.1	06-Nov-20	06-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00705	0.05	07-Nov-20	07-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0164

IPC - Integrated Performance Consultants, Inc.

Customer: 9297 Research Drive		Project: (MCC) EFF - Daily	
Address: Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/06/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.36/22.9°
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 06 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/06/20	17:15
Received by		[illegible]	11/6/20	17:15
Relinquished by		Amanda Olivas (PCL)	11/6/20	14:20
Received by				
Relinquished by				
Received for lab by		NOV 06 2020		1223

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Nov-20 17:03
Subject: (MCC) Daily EFF

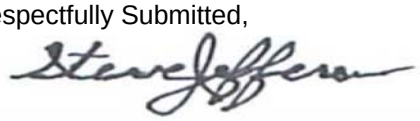
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0193-01) Collected: 07-Nov-20 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00704	1.8	07-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00704	1.8	07-Nov-20	09-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK00719	0.1	07-Nov-20	07-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00717	0.05	07-Nov-20	07-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20k0193

IPC - Integrated Performance Consultants, Inc

(MCC) EFF - Daily

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Jen Jaeson
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/7/2020	09:35	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
NOV 07 2020
By JC

Signature	Print Name (Company)	Date	Time
Relinquished by	Jen Jaeson IPC	11/7/2020	11:00
Received by	Alex Walker Jr	11/7/20	11:40
Relinquished by			
Received by			
Relinquished by	Alex Walker Jr	11/7/20	13:20
Received in lab by	Jordan Corkery	11/7/20	1320

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4oc
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu -$CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" refers to the Terms and Conditions of sale, including the price schedule, and any modifications or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, controlling or sampling, invoices and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing, which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written list of samples (COC) to PCL. Any such order shall subject, in accordance by the client of PCL's offer to do business with the client under the Terms and conditions and to an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (LAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless 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(s) subject to any disclosure required by law or court process. PCL must use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party reliance on any such reports, data or information. Client will not disclose to any third party any proprietary or confidential information, software or processes of PCL or its vendors.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, expert, consultant, counsel or action, suits and any related expenses including, but not limited to, attorneys fees (the "Claims") and costs arising in favor of Client or any third party as a result of, and/or in any way as a contributing 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. From all but of every nature or character. This indemnity does not apply to any of the foregoing Claims which: 1. Arises or accrues solely by the gross negligence or wilful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to lawyer, claims, damages, actions of every kind and character arising out of or in connection with the negligence in whole or in part of Client or any independent person, whether actual or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to, and liability which the client might otherwise have in PC and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by 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, licenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Unless otherwise agreed in writing between PCL and client, prices shall be as set forth in the price schedule in effect at the time of acceptance of the order by PCL or at the time the services were rendered as set forth in PCL's price schedule in effect at the time the services were rendered or as otherwise agreed to in writing. The price stated in the quotation or change at any time without notice. Payment shall be made by client in full in accordance with the terms set forth on PCL's invoice. Unless otherwise agreed to in writing or unless a separate payment arrangement has been established with PCL, for those clients with an established credit account, the terms for payment of charges are NET 30 days from date of invoice. To the fullest extent permitted by law, or as by applicable law, any amount owed to PCL not paid within 30 days of invoice or otherwise in accordance with the terms of the invoice shall bear 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 client refuses to pay PCL's invoice in full or in part, or if PCL is required to initiate collection proceedings or to retain counsel to collect any amounts owed to PCL, client shall pay PCL's reasonable collection costs, including attorneys' fees and costs, whether or not litigation is actually commenced.

13. Agreement Modification

Changes, modifications or amendments to this agreement shall be effective only if in writing and executed by authorized officers of PCL and by client. Authorized representatives may accept subsequent orders for additional services or as otherwise provided in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is solely responsible for maintaining its own account, and not its agents, brokers, or any other representative, custody for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used 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 in dealing with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Nov-20 13:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0199-01) Collected: 08-Nov-20 By BJ							
Microbiological							
Fecal Coliforms	SM 9221E	AK00823	1.8	08-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00823	1.8	08-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	08-Nov-20	08-Nov-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK00944	0.05	09-Nov-20	09-Nov-20	**0.13 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20k0199

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive Irvine CA 92618

Project: (MCC) EFF - Daily

Sampled by: Ben Jaspon
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/8/2020	09:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ben Jaspon IPC	11/8/2020	
Received by	RM PCL	11/8/2020	1547
Relinquished by			
Received by			
Relinquished by			
Received in lab by	RM PCL	11/8/2020	1720

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: 16-Nov-20 13:49
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0215-01) Collected: 09-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK00941	1.8	09-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK00941	1.8	09-Nov-20	11-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	09-Nov-20	09-Nov-20	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01024	0.05	10-Nov-20	10-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0215

Customer: IPC - Integrated Performance Consultants, Inc
Address: 9297 Research Drive Irvine CA 92618
Project: (MCC) EFF - Daily
Sampled by:
Report Attention: Ric Wardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	11/09/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	6.7/17.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	11/09/20	11:15
Received by		Cindy Marrion (PCL)	11/9/20	11:15
Relinquished by		Cindy Marrion	11/9/20	13:30
Received by				
Relinquished by				
Received in Lab by		NOV 09 2020		13:25

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water, SO - Soil / Sludge, OT - Other
Bottle Type: P - Plastic, G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: HC - HCl, HS - H_2SO_4, HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Nov-20 13:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0243-01) Collected: 10-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01026	1.8	10-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01026	1.8	10-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	10-Nov-20	10-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01122	0.05	11-Nov-20	11-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0243

IPC - Integrated Performance Consultants, Inc.
(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Golan Kfir	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/10/20	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	2.03/20.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/10/20	12:30
Received by:	Armando Ochoa (PCL)	11/10/20	12:30
Relinquished by:	Armando Ochoa (PCL)	11/10/20	1515
Received by:			
Relinquished by:			
Received at lab by:	NOV 10 2020		1250

Sample Received Checklist
Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; 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: 16-Nov-20 13:54
Subject: (MCC) Daily EFF

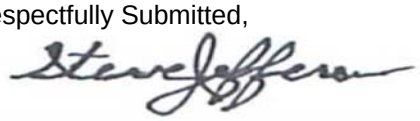
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0285-01) Collected: 11-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01135	1.8	11-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01135	1.8	11-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	11-Nov-20	11-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01226	0.05	12-Nov-20	12-Nov-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0285

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project:

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/11/20	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50/11.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
NOV 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/11/20	12:20
Received by		Bruce Oh (IPC)	11/11/20	12:20
Relinquished by		Armando Olmos (IPC)	11/11/20	14:15
Received by				
Relinquished by				
Received at lab by		NOV 11 2020		1233

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; (OH) - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Nov-20 17:37
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0296-01) Collected: 11-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK01224	1	12-Nov-20	12-Nov-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK01626	0.10	16-Nov-20	16-Nov-20	**0.11 mg/l**	
Nitrate as N	EPA 353.2	AK01231	0.05	12-Nov-20	13-Nov-20	**0.09 mg/l**	
Nitrite as N	EPA 353.2	AK01231	0.05	12-Nov-20	13-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK01625	0.10	16-Nov-20	17-Nov-20	**0.76 mg/l**	
EFF (Sample I.D.# : 20K0296-02) Collected: 10-Nov-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01129	2	11-Nov-20	16-Nov-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0246

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:**	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/11/20	1050	1	TSS	Grab	AQ	1L P	4°C	7.50/17.3°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/10/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
NOV 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/11/20	12:20
Received by		Armando Olmos (PCL)	11/11/20	12:20
Relinquished by		Armando Olmos (PCL)	11/11/20	14:15
Received by				
Relinquished by				
Received in lab by		NOV 11 2020		1314

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Nov-20 17:34
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0295-01) Collected: 11-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK01224	1	12-Nov-20	12-Nov-20	**217 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01129	2	11-Nov-20	16-Nov-20	**465 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/17/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0795

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Rivardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/10/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 11 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (PCL)	11/11/20	12:20
Received by		Armando Olivas (PCL)	11/11/20	12:20
Relinquished by		Armando Olivas (PCL)	11/11/20	14:15
Received by				
Relinquished by				
Received in lab by		NOV 11 2020		1312

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
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.

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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: 16-Nov-20 13:56
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0336-01) Collected: 12-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01232	1.8	12-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01232	1.8	12-Nov-20	14-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	12-Nov-20	12-Nov-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01310	0.05	13-Nov-20	13-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0336

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	**Project :**
Address: Irvine CA 92618	**Sampled by:** Golan Kfir
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/12/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.22/17.6 C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 12 2020
By

Geotracker EDD
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/12/20	12:20
Received by:	Armando Olmos (IPC)	11/12/20	12:20
Relinquished by:	Armando Olmos (IPC)	11/12/20	14:20
Received by:			
Relinquished by:			
Received in lab by:	NOV 12 2020		1406

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (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: 16-Nov-20 13:58
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0348-01) Collected: 13-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01311	1.8	13-Nov-20	15-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01311	1.8	13-Nov-20	15-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01406	0.1	13-Nov-20	13-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01405	0.05	14-Nov-20	14-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0348

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/13/20	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	11/13/20	1220
Received by		Eb Guanlao PCI	11/13/20	1220
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Eb Cuab PN	11/13/20	1310

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Nov-20 14:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0362-01) Collected: 14-Nov-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01404	1.8	14-Nov-20	16-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01404	1.8	14-Nov-20	16-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK01519	0.1	14-Nov-20	14-Nov-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01518	0.05	15-Nov-20	15-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/16/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0362

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Mario Aguirre
Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/14/20	9:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	11/14/20	9:10
Received by		Alex Wallace Jr	11/14/20	10:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		NOV 14 2020		1323

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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	
Al - $AlCl_3$	
Cu - $CuSO_4$	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:14
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0369-01) Collected: 15-Nov-20 By JL							
Microbiological							
Fecal Coliforms	SM 9221E	AK01517	1.8	15-Nov-20	17-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01517	1.8	15-Nov-20	17-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	15-Nov-20	15-Nov-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01628	0.05	16-Nov-20	16-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20to369

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		**Project :**	
Address: Irvine CA 92618		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardar / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	11/5/20	14:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
~~Logcode: IPCI~~									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Julio Leal	11/5/20	
Received by	RM	PCL	11/15/20	1445
Relinquished by				
Received by				
Relinquished by				1725
Received in lab by	RM	PCL	11/15/20	~~1445~~ RM

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:17
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0391-01) Collected: 16-Nov-20 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AK01636	1.8	16-Nov-20	19-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01636	1.8	16-Nov-20	19-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	16-Nov-20	16-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01742	0.05	17-Nov-20	17-Nov-20	**0.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0391

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by:
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/16/20	1100	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	7.34/14.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 16 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	11/16/20	1110
Received by	Amanda Olsen (PCL)	11/16/20	12:30
Relinquished by	Amanda Olsen (PCL)	11/16/20	14:00
Received by			
Relinquished by			
Received in lab by	NOV 16 2020		1414

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:19
Subject: (MCC) Daily EFF

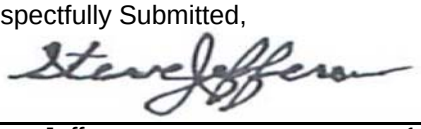
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0426-01) Collected: 17-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01737	1.8	17-Nov-20	20-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01737	1.8	17-Nov-20	20-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	17-Nov-20	17-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01826	0.05	18-Nov-20	18-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0426

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/17/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.34/14.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
NOV 17 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez Cepe	11/17/20	17:30
Received by		Armando Ortiz (PCL)	11/17/20	17:30
Relinquished by		Armando Ortiz (PCL)	11/17/20	14:15
Received by				
Relinquished by				
Received in lab by		NOV 17 2020		1244

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO -Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:09
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0471-01) Collected: 17-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK02005	1	20-Nov-20	20-Nov-20	**258 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01834	2	19-Nov-20	24-Nov-20	**352 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0471

(MCC) ~~INF - Weekly~~

Customer: ~~IPC - Integrated Performance Consultants, Inc.~~		**Project:**	
Address: ~~9297 Research Drive~~ ~~Irvine~~ ~~CA~~ ~~92618~~		**Sampled by:**	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/17/20	0000	1	TSS	Comp	AQ	1L P	4°C	6.9/22.1
			1	BOD	Comp	AQ	1L P	4°C	

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NOV 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/18/20	11:25
Received by		Cindy M (IPC)	11/18/20	11:25
Relinquished by		Cindy Mahrer	11/18/20	12:25
Received by				
Relinquished by				
Received by		NOV 18 2020		1322

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:21
Subject: (MCC) Daily EFF

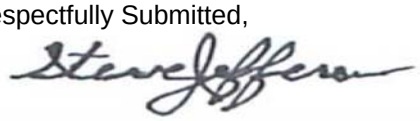
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0459-01) Collected: 18-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01835	1.8	18-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01835	1.8	18-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	18-Nov-20	18-Nov-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK01934	0.05	19-Nov-20	19-Nov-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0459

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project:

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	11/18/20	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0 / 21.5
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	1	1							

RECEIVED
NOV 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Carl)	11/18/20	11:25
Received by		Cindy Martinez	11/18/20	11:25
Relinquished by		Cindy Martinez	11/18/20	12:25
Received by				
Relinquished by				
Received at lab by		NOV 18 2020		1233

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Dec-20 10:43
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0470-01) Collected: 18-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK02005	1	20-Nov-20	20-Nov-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK02004	0.10	20-Nov-20	20-Nov-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK01933	0.05	19-Nov-20	19-Nov-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AK01933	0.05	19-Nov-20	19-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK03016	0.10	30-Nov-20	04-Dec-20	**0.51 mg/l**	
EFF (Sample I.D.# : 20K0470-02) Collected: 17-Nov-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK01834	2	19-Nov-20	24-Nov-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0470

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** C	**P.O. #:**
		Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/18/20	1100	1	TSS	Grab	AQ	1L P	4°C	6.8/21.9 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/17/20	0000	1	BOD	Comp	AQ	1L P	4°C	

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NOV 18 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C	Carlos Alvarez (IPC)	11/18/20	1120
Received by		Cindy Marroquin (PCL)	11/18/20	11:20
Relinquished by		Cindy Marroquin	11/18/20	12:25
Received by				
Relinquished by				
Received by		NOV 18 2020		1318

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0495-01) Collected: 19-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK01935	1.8	19-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK01935	1.8	19-Nov-20	21-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	19-Nov-20	19-Nov-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02007	0.05	20-Nov-20	20-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0495

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: Golan Kfir
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	11/19/20	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.64/19.3°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 19 2020
By

Geotracker EDF
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/19/20	12:10
Received by:	Armando Otnos / PCL	11/19/20	12:10
Relinquished by:	Armando Otnos (PCL)	11/19/20	13:40
Received by:			
Relinquished by:			
Received in lab by:	NOV 19 2020		16:00

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**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: 25-Nov-20 11:26
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0534-01) Collected: 20-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02010	1.8	20-Nov-20	22-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02010	1.8	20-Nov-20	22-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02111	0.1	20-Nov-20	20-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02110	0.05	21-Nov-20	21-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0534

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/20/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 20 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Cortes, Alvaro (CSC)	11/20/20	13:33
Received by		Juan Vasquez (PCL)	11/20/20	13:33
Relinquished by		Juan Vasquez (PCL)	11/20/20	14:30
Received by				
Relinquished by				
Received at lab by		NOV 20 2020		1349

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 25-Nov-20 11:28
Subject: (MCC) Daily EFF

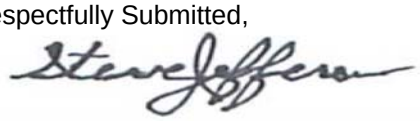
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0543-01) Collected: 21-Nov-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02108	1.8	21-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02108	1.8	21-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02116	0.1	21-Nov-20	21-Nov-20	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02117	0.05	21-Nov-20	22-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 11/25/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0543

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive
Address: Irvine CA 92618

Project : (MCC) EFF - Daily

Sampled by: Jesus Avalos
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/21/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/21/20	9:50
Received by:	Alex Walker Jr.	11/21/20	12:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	NOV 21 2020		1510

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
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-Nov-20 16:26
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0547-01) Collected: 22-Nov-20 By BJ of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02226	1.8	22-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02226	1.8	22-Nov-20	24-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	22-Nov-20	22-Nov-20	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02331	0.05	23-Nov-20	23-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC - Integrated Performance Consultants, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0547
(MCC) EFF - Daily

Customer: 9297 Research Drive
Project :

Address: Irvine CA 92618
Sampled by: Jen Jasso
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/22/2020	10:35	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 22 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jen Jasso IPC	11/22/2020	1245
Received by	Alex Valencia Jr	11/22/20	1245
Relinquished by			
Received by			
Relinquished by			
Received in lab by	NOV 22 2020		1458

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type: Grab, Comp
Matrix: AQ - Water; SO - Soil / Sludge; OT - Other
Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Nov-20 16:28
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0568-01) Collected: 23-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02328	1.8	23-Nov-20	25-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02328	1.8	23-Nov-20	25-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	23-Nov-20	23-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02429	0.05	24-Nov-20	24-Nov-20	**0.06 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20k0568

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive	Project :
Address: Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir
	Report Attention:
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/22/20	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
NOV 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alcaraz (SPL)	11/23/20	13:16
Received by		Juan Vasquez (PCL)	11/23/20	13:16
Relinquished by		Juan Vasquez (PCL)	11/23/20	14:15
Received by				
Relinquished by				
Received in Lab by		NOV 23 2020		14:11

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Nov-20 16:31
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0596-01) Collected: 24-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02434	1.8	24-Nov-20	27-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02434	1.8	24-Nov-20	27-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	24-Nov-20	24-Nov-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02507	0.05	25-Nov-20	25-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-Dec-20 11:02
Subject: (MCC) Weekly INF

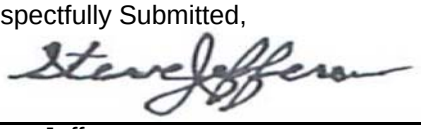
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20K0638-01) Collected: 24-Nov-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK02814	1	28-Nov-20	28-Nov-20	**269 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK02704	2	27-Nov-20	02-Dec-20	**274 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0639

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Rid Vardel / Golan Kfir	**P.O. #:**
		Report Attention:	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/24/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (CAPC)	11/25/20	12:14
Received by	Juan Vasquez (PCL)	11/25/20	12:14
Relinquished by	Juan Vasquez (PCL)	11/25	13:50
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	11/25/20	1350

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Nov-20 16:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0635-01) Collected: 25-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02509	1.8	25-Nov-20	28-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02509	1.8	25-Nov-20	28-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	25-Nov-20	25-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02805	0.05	25-Nov-20	25-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 11/30/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0564

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project : (MPP) EFF - Weekly
Sampled by: Julio Leal
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	112320	10:30	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
			1	Enterococcus	Grab	AQ	Coli	ST	

RECEIVED
NOV 23 2020
By

Geotracker EDD:
Logcode: !PCI
Global ID: WDR100000138

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	112320	13:20
Received by	Juan Vasquez (PCL)	11/23/20	13:20
Relinquished by	Juan Vasquez (PCL)	11/23/20	14:15
Received by			
Relinquished by			
Received in Lab by	NOV 23 2020		1351

Sample Received Checklist

Temperature upon receipt: 4° C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 07:18
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0636-01) Collected: 25-Nov-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AK02814	1	28-Nov-20	28-Nov-20	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL00228	0.10	02-Dec-20	02-Dec-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK02504	0.05	25-Nov-20	25-Nov-20	**0.10 mg/l**	
Nitrite as N	EPA 353.2	AK02504	0.05	25-Nov-20	25-Nov-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL00923	0.10	09-Dec-20	10-Dec-20	**0.80 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK02704	2	27-Nov-20	02-Dec-20	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0636

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:**		**P.O. #:**
	Report Attention: Ric Vardel / Golan Kfir		**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/25/20	1200	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	11/24/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/25/20	12:10
Received by		Juan Vasquez (PCL)	11/25/20	12:40
Relinquished by		Juan Vasquez (PCL)	11/25/20	13:50
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	11/25/20	1350

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-Dec-20 11:06
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0648-01) Collected: 26-Nov-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02703	1.8	26-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02703	1.8	26-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	26-Nov-20	26-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02805	0.05	27-Nov-20	27-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0648

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive Irvine CA 92618
Project: (MCC) EFF - Daily
Sampled by: Jesus Avalos
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11-26-20	9:45	1	pH, T.Res Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 26 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11-26-20	9:50
Received by:	Alex Walker Jr.	11-26-20	1045
Relinquished by:			
Received by:			
Relinquished by:			
Received by lab by:	NOV 26 2020		1258

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-Dec-20 11:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0655-01) Collected: 27-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02703	1.8	27-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02703	1.8	27-Nov-20	29-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02804	0.1	27-Nov-20	27-Nov-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02805	0.05	28-Nov-20	28-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0655

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/27/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 27 2020
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/27/20	13:20
Received by Alex Walker Jr	Alex Walker Jr	11/27/20	13:20
Relinquished by			
Received by			
Relinquished by			
Received in lab by Alex Walker Jr.	NOV 27 2020		1510

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-Dec-20 11:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0659-01) Collected: 28-Nov-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02816	1.8	28-Nov-20	30-Nov-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02816	1.8	28-Nov-20	30-Nov-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK02812	0.1	28-Nov-20	28-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK02917	0.05	29-Nov-20	29-Nov-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/3/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20160659

(MCC) EFF - Daily

Customer: IPC - Integrated Performance Consultants, Inc.

Project:

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/28/20	1025	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Gectracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alonso (CPC)	11/28/20	1235
Received by		Jordan Corkery	11/28/20	1235
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	11/28/20	1410

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Dec-20 10:28
Subject: (MCC) Daily EFF

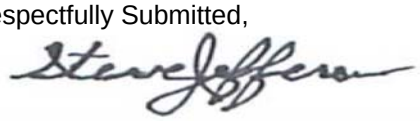
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0664-01) Collected: 29-Nov-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK02919	1.8	29-Nov-20	01-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK02919	1.8	29-Nov-20	01-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	29-Nov-20	29-Nov-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK03021	0.05	30-Nov-20	30-Nov-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20K0664

Customer: IPC - Integrated Performance Consultants, Inc		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Mario Aguirre	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/29/20	9:43	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 29 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	11/29/20	9:47
Received by	Alex Walkup Jr.	11/29/20	12:21
Relinquished by			
Received by			
Relinquished by			
Received in lab by		NOV 29 2020	1505

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(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: 10-Dec-20 10:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20K0679-01) Collected: 30-Nov-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK03027	1.8	30-Nov-20	03-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK03027	1.8	30-Nov-20	03-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	30-Nov-20	30-Nov-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00116	0.05	01-Dec-20	01-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC - Integrated Performance Consultants, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20k0679

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
~~EFF~~	11/30/20	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.66/12.9°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
NOV 30 2020
By

Geotracker EDD:
~~Logcode: IPCI~~
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/30/20	12:00
Received by	Amanda Olmos (PCL)	11/30/20	13:00
Relinquished by	Amanda Olmos (PCL)	11/30/20	14:00
Received by			
Relinquished by			
Received in lab by	NOV 30 2020		1420

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 07:21
Subject: (MCC) Daily EFF

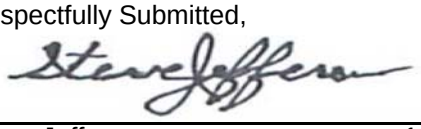
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0024-01) Collected: 01-Dec-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AL00117	1.8	01-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00117	1.8	01-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	01-Dec-20	01-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00231	0.05	02-Dec-20	02-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010024

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project: (MCC) EFF - Daily

Sampled by: Golan Kfir
Report Attention: Ric Vardei / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/1/20	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 01 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/1/20	12:11
Received by:	Juan Vasquez (BCL)	12/1/20	12:11
Relinquished by:	Juan Vasquez (PCL)	12/1/20	13:10
Received by:			
Relinquished by:			
Received in lab by:	DEC 01 2020		1457

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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: 11-Dec-20 07:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0078-01) Collected: 02-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00230	1.8	02-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00230	1.8	02-Dec-20	04-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	02-Dec-20	02-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00323	0.05	03-Dec-20	03-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 7010079

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/02/20	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.57/21.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	12/02/20	12:30
Received by		Armando Olmos (IPC)	12/2/20	12:30
Relinquished by		Armando Olmos (IPC)	12/2/20	1420
Received by				
Relinquished by				
Received by		DEC 02 2020		1416

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:07
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0084-01) Collected: 02-Dec-20 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AL00724	5	07-Dec-20	13-Dec-20	**824 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AL00723	20.0	07-Dec-20	07-Dec-20	**232 mg/l**	
Sulfate as SO4	EPA 300.0	AL00723	10.0	07-Dec-20	07-Dec-20	**115 mg/l**	
Boron	EPA 200.7	AL00319	0.10	03-Dec-20	04-Dec-20	**0.30 mg/l**	
Phosphorus, Total as P	EPA 365.3	AL00412	0.50	04-Dec-20	05-Dec-20	**8.40 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AL00321	0.20	03-Dec-20	03-Dec-20	**0.23 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AL00822	5	08-Dec-20	09-Dec-20	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0084

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** CG	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/02/20	1115	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.52/20.2
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

RECEIVED
DEC 02 2020
By

Geotracker EDD:
Logcode: IPGI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/02/20	12:30
Received by		Hans Oh. (PCL)	12/2/20	12:30
Relinquished by		Amanda Olmos (PCL)	12/2/20	14:20
Received by				
Relinquished by				
Received in lab by		DEC 02 2020		1441

Sample Received Checklist

Temperature upon receipt: 4 C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
(G) - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
(HC) - HCl
HS - H_2SO_4
(HN) - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:17
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0080-01) Collected: 02-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL00324	1	03-Dec-20	03-Dec-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL00718	0.10	07-Dec-20	07-Dec-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL00327	0.05	03-Dec-20	03-Dec-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AL00327	0.05	03-Dec-20	03-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL01415	0.10	14-Dec-20	15-Dec-20	**1.23 mg/l**	
EFF (Sample I.D.# : 20L0080-02) Collected: 01-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL00325	2	03-Dec-20	08-Dec-20	**8 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0020

Customer: IPC - Integrated Performance Consultants, Inc.	Project: (MCC) EFF - Weekly
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: C.V.
	Report Attention: Ric Vardel / Golan Kfir
	P.O. #:
	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/02/20	1115	1	TSS	Grab	AQ	1L P	4°C	7.57 / 21.3°C
	"	"	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/01/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 02 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (PCL)	12/02/20	12:30
Received by		Amanda Olvera (PCL)	12/1/20	17:30
Relinquished by		Amanda Olvera (PCL)	12/2/20	1420
Received by				
Relinquished by				
Received in lab by		DEC 02 2020		1420

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Dec-20 10:48
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0091-01) Collected: 02-Dec-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL00324	1	03-Dec-20	03-Dec-20	**177 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL00325	2	03-Dec-20	08-Dec-20	**214 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/10/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060091

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/01/20	0000	1	TSS	Comp	AQ	1L P	4°C	
"	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 02 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (IPC)	12/02/20	17:30
Received by		Amanda Olvera (IPC)	12/2/20	17:30
Relinquished by		Amanda Olvera (IPC)	12/2/20	1420
Received by				
Relinquished by				
Received in lab by		DEC 02 2020		1506

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 07:29
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0108-01) Collected: 03-Dec-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00326	1.8	03-Dec-20	05-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00326	1.8	03-Dec-20	05-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00410	0.1	03-Dec-20	03-Dec-20	**6.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00411	0.05	04-Dec-20	04-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/11/2020
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 08:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0135-01) Collected: 04-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00407	1.8	04-Dec-20	06-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00407	1.8	04-Dec-20	06-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00505	0.1	04-Dec-20	04-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00504	0.05	05-Dec-20	05-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0135

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/04/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

RECEIVED
DEC 04 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SCE)	12/04/20	1140
Received by			12/4/20	1200
Relinquished by				
Received by				
Relinquished by				
Received in Lab		DEC 03 2020		1333

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Dec-20 08:28
Subject: (MCC) Daily EFF

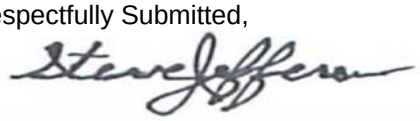
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0147-01) Collected: 05-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00512	1.8	05-Dec-20	07-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00512	1.8	05-Dec-20	07-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL00509	0.1	05-Dec-20	05-Dec-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00626	0.05	06-Dec-20	06-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/11/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020147

IPC - Integrated Performance Consultants, Inc.

(MCC) EFF - Daily

Customer: 9297 Research Drive		Project :	
Address: Irvine CA 92618	Sampled by: Joyce Dorado	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	12/04/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0/15.2 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
〃	〃	〃							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Joyce Dorado	Joyce Dorado (IPC)	12/04/20	9:50
Received by:	Cindy Manguia	12/5/20	1:20
Relinquished by:			
Received by:			
~~Relinquished by:~~			
Received in lab by:	RM PCL	12/5/20	1320

Sample Received Checklist

Temperature upon receipt:		
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0150-01) Collected: 06-Dec-20 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AL00627	1.8	06-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00627	1.8	06-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	06-Dec-20	06-Dec-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00719	0.05	07-Dec-20	07-Dec-20	**0.23 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0150

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mario Aguirre Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/6/20	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0 | 14.9°C
11			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/6/20	4:35
Received by		Cindy Nguyen	12-6-20	16:34
Relinquished by		Cindy Nguyen	12-6-20	17:30
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/7/20	1130

Sample Received Checklist

Temperature upon receipt: 4cc
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** - Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:49
Subject: (MCC) Daily EFF

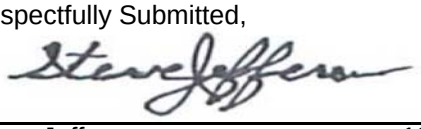
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0157-01) Collected: 07-Dec-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AL00720	1.8	07-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00720	1.8	07-Dec-20	09-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	07-Dec-20	07-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00826	0.05	08-Dec-20	08-Dec-20	**0.13 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 201057

Customer: IPC - Integrated Performance Consultants, Inc.

Project: (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

P.O. #:

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/07/20	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 07 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/07/20	1130
Received by		Eb Evans (FPM)	12/7/20	1145
Relinquished by		Eb Evans (FPM)	12/7/20	1300
Received by				
Relinquished by				
Received in lab by		DEC 07 2020		1206

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0182-01) Collected: 08-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00825	1.8	08-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00825	1.8	08-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	08-Dec-20	08-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL00927	0.05	09-Dec-20	09-Dec-20	**0.18 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340
IPC - Integrated Performance Consultants, Inc.

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020182

(MCC) EFF - Daily

Customer: 9297 Research Drive

Project :

Address: Irvine CA 92618

Sampled by: Ric Vardell/ Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/08/20	11 15	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
DEC 08 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GAC)	12/08/20	1115
Received by			12/8/20	1120
Relinquished by			12/8/20	1230
Received by				
Relinquished by				
Received by		DEC 08 2020		1249

Sample Received Checklist

Temperature upon receipt: 4°c

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:21
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0214-01) Collected: 08-Dec-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL01032	1	10-Dec-20	10-Dec-20	**219 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01031	2	10-Dec-20	15-Dec-20	**283 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040214

Customer: IPC - Integrated Performance Consultants, Inc.
Project : (MCC) INF - Weekly

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: C.D.
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/08/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAC)	12/09/20	12:20
Received by		[illegible] (IPC)	12/9/20	12:20
Relinquished by		[illegible] (IPC)	12/9/20	14:40
Received by				
Relinquished by				
Received in Lab by		DEC 09 2020		1556

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 16:56
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0208-01) Collected: 09-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL00928	1.8	09-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL00928	1.8	09-Dec-20	11-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	09-Dec-20	09-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01029	0.05	10-Dec-20	10-Dec-20	**0.16 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0208

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by:
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/09/20	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.60/20.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/09/20	17:20
Received by		Armando Olmos (IPCL)	12/9/20	17:20
Relinquished by		Armando Olmos (IPCL)	12/9/20	19:00
Received by				
Relinquished by				
Received by		DEC 09 2020		1513

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Dec-20 14:54
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0216-01) Collected: 09-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL01032	1	10-Dec-20	10-Dec-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL01419	0.10	14-Dec-20	14-Dec-20	**0.16 mg/l**	
Nitrate as N	EPA 353.2	AL01027	0.05	10-Dec-20	10-Dec-20	**0.42 mg/l**	
Nitrite as N	EPA 353.2	AL01027	0.05	10-Dec-20	10-Dec-20	**0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL01620	0.10	16-Dec-20	17-Dec-20	**1.22 mg/l**	
EFF (Sample I.D.# : 20L0216-02) Collected: 08-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01031	2	10-Dec-20	15-Dec-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/18/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040216

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) EFF - Weekly
Sampled by: Rid Vardel / Golan Kfir
Report Attention:
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/09/20	1110	1	TSS	Grab	AQ	1L P	4°C	7.66 / 14.4 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/08/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 09 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivas (IPC)	12/09/20	12:20
Received by		Anne Oh (PCL)	12/9/20	1720
Relinquished by		Armando Olivas (PCL)	12/9/20	14:00
Received by				
Relinquished by				
Received in Lab		DEC 09 2020		1603

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 15-Dec-20 16:59
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0235-01) Collected: 10-Dec-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01030	1.8	10-Dec-20	12-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01030	1.8	10-Dec-20	12-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	10-Dec-20	10-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01110	0.05	11-Dec-20	11-Dec-20	**0.56 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0235

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/10/20	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.24 / 17.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
DEC 10 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/10/20	12:15
Received by:	Armando Olmos IPC	12/10/20	12:15
Relinquished by:	Armando Olmos IPC	12/10/20	14:05
Received by:			
Relinquished by:			
Received by:	DEC 10 2020		1345

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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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: 15-Dec-20 17:02
Subject: (MCC) Daily EFF

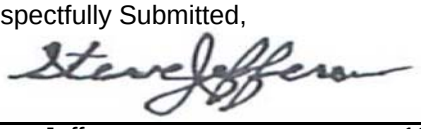
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0252-01) Collected: 11-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01112	1.8	11-Dec-20	13-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01112	1.8	11-Dec-20	13-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01206	0.1	11-Dec-20	11-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01205	0.05	12-Dec-20	12-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0252

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: RK Vardel / Golan Kfir
Report Attention:

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/11/20	1050	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 11 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/11/20	11:09
Received by		Juan Vasquez (PCL)	12/11/20	11:09
Relinquished by		Juan Vasquez (PCL)	12/11/20	12:20
Received by				
Relinquished by				
Received in lab by		DEC 11 2020		12:11

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-20 17:04
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0271-01) Collected: 12-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01204	1.8	12-Dec-20	14-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01204	1.8	12-Dec-20	14-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01315	0.1	12-Dec-20	12-Dec-20	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01314	0.05	13-Dec-20	13-Dec-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/15/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010271

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Acuña
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/12/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.8 / 16.0 °C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Acuña	Jesus Acuña (IPC)	12/12/20	9:55
Received by:	Cindy Marquez (PCL)	12/12/20	10:30
Relinquished by:	Cindy Marquez	12/12/20	11:17
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	12/12/20	11:17

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:39
Subject: (MCC) Daily EFF

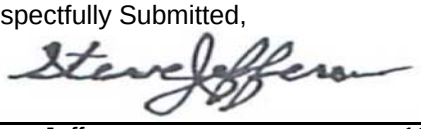
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0275-01) Collected: 13-Dec-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01313	1.8	13-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01313	1.8	13-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	13-Dec-20	13-Dec-20	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01417	0.05	14-Dec-20	14-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0275~~01~~

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardell/Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/13/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 18.0
11	11	9:48	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/13/20	9:53
Received by			12/13/20	23
Relinquished by			12/13/20	11:00
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/13/20	1110

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:42
Subject: (MCC) Daily EFF

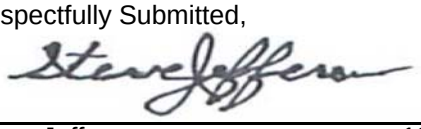
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0291-01) Collected: 14-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01416	1.8	14-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01416	1.8	14-Dec-20	16-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	14-Dec-20	14-Dec-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01526	0.05	15-Dec-20	15-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 201029/

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/14/20	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

RECEIVED
DEC 14 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/14/20	1135
Received by		[illegible]	12/14/20	1140
Relinquished by		[illegible]	12/14/20	1235
Received by				
Relinquished by				
Received for lab by		DEC 14 2020		1232

Sample Received Checklist 4°C

Temperature upon receipt:		
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) -Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:45
Subject: (MCC) Daily EFF

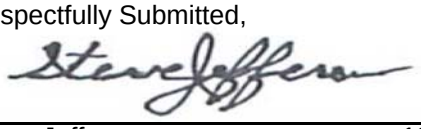
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0313-01) Collected: 15-Dec-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AL01530	1.8	15-Dec-20	17-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01530	1.8	15-Dec-20	17-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	15-Dec-20	15-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01616	0.05	16-Dec-20	16-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010313

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/15/20	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.64/20.97
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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DEC 15 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	12/15/20	13:00
Received by:	Armando Olmos (PCL)	12/15/20	13:00
Relinquished by:	Armando Olmos (PCL)	12/15/20	14:45
Received by:			
Relinquished by:			
Received for Lab by:	DEC 15 2020		1454

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(Grab)	(AQ) - Water	(P) - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:04
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0348-01) Collected: 15-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL01728	1	17-Dec-20	17-Dec-20	**225 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01730	2	17-Dec-20	22-Dec-20	**310 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020348

(MCC) INF - Weekly

Customer: IPC - Integrated Performance Consultants, Inc.

Project :

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by:

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/15/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

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DEC 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/16/20	12:50
Received by		Armando Olmos (PCL)	12/16/20	12:50
Relinquished by		ARMANDO OLMOS (PCL)	12/16/20	14:25
Received by				
Relinquished by				
Received in Lab by		DEC 16 2020		1439

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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: 21-Dec-20 18:47
Subject: (MCC) Daily EFF

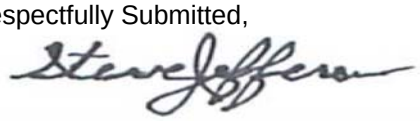
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0345-01) Collected: 16-Dec-20 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AL01625	1.8	16-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01625	1.8	16-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	16-Dec-20	16-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01725	0.05	17-Dec-20	17-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20203415

Customer: IPC - Integrated Performance Consultants, Inc
Project: (MCC) EFF - Daily

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: C.V.
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/16/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.74 / 18.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/16/20	12:50
Received by		Armando Olmos (PCL)	12/16/20	12:50
Relinquished by		ARMANDO OLMOS (PCL)	12/16/20	14:25
Received by				
Relinquished by				
Received in lab by		DEC 16 2020		1432

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) -Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:43
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0350-01) Collected: 16-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL01728	1	17-Dec-20	17-Dec-20	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL01811	0.10	18-Dec-20	18-Dec-20	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL01733	0.05	17-Dec-20	17-Dec-20	**0.32 mg/l**	
Nitrite as N	EPA 353.2	AL01733	0.05	17-Dec-20	17-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL02827	0.10	28-Dec-20	29-Dec-20	**0.62 mg/l**	
EFF (Sample I.D.# : 20L0350-02) Collected: 15-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL01730	2	17-Dec-20	22-Dec-20	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2040350

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/16/20	1210	1	TSS	Grab	AQ	1L P	4°C	7.74/18.8°C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/15/20	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 16 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/16/20	17:50
Received by	Armando Alvarez (PCL)	12/16/20	17:50
Relinquished by	ARMANDO AMOS (PCL)	12/16/20	14:25
Received by			
Relinquished by			
Received in lab by	DEC 16 2020		1448

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Dec-20 18:49
Subject: (MCC) Daily EFF

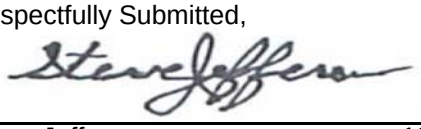
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0387-01) Collected: 17-Dec-20 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AL01731	1.8	17-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01731	1.8	17-Dec-20	19-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	17-Dec-20	17-Dec-20	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01808	0.05	18-Dec-20	18-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/21/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0387

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/17/20	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.79/14.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 17 2020
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	12/17/20	13:20
Received by:	Armando Olmos IPC	12/17/20	13:20
Relinquished by:	Armando Olmos IPC	12/17/20	15:00
Received by:			
Relinquished by:			
Received for lab by:	DEC 17 2020		1337

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; AI - $AlCl_3$; Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0410-01) Collected: 18-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01813	1.8	18-Dec-20	20-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01813	1.8	18-Dec-20	20-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01906	0.1	18-Dec-20	18-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL01905	0.05	19-Dec-20	19-Dec-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0410

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/18/20	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.68/17.3C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 18 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarado (IPC)	12/18/20	1135
Received by		Armando Olmos (PCL)	12/18/20	12:20
Relinquished by		Armando Olmos (PCL)	12/18/20	14:10
Received by				
Relinquished by				
Received by		DEC 18 2020		1259

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 28-Dec-20 14:11
Subject: (MCC) Daily EFF

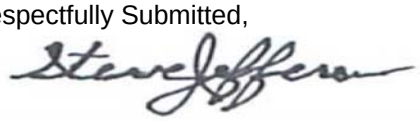
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0424-01) Collected: 19-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL01904	1.8	19-Dec-20	21-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL01904	1.8	19-Dec-20	21-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL01914	0.1	19-Dec-20	19-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02027	0.05	20-Dec-20	20-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0424

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Avalos
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/19/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Ccli Bottle	4°C. ST	

RECEIVED
DEC 19 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/19/20	9:50
Received by:	Juan Vasquez (PCL)	12/19/20	10:04
Relinquished by:	Juan Vasquez (PCL)	12/19/20	10:50
Received by:			
Relinquished by:			
Received in lab by:	DEC 19 2020		1227

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0428-01) Collected: 20-Dec-20 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02025	1.8	20-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02025	1.8	20-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	20-Dec-20	20-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02129	0.05	21-Dec-20	21-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20C428-01

Customer:	IPC - Integrated Performance Consultants, Inc.	Project: -	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/20/20	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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DEC 20 2020
By JC

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/20/20	9:53
Received by		Alex Walker Jr (PCL)	12/20/20	11:00
Relinquished by		Alex Walker Jr	12/20/20	1300
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/20/20	1320

Sample Received Checklist

Temperature upon receipt: 4C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(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: 28-Dec-20 14:16
Subject: (MCC) Daily EFF

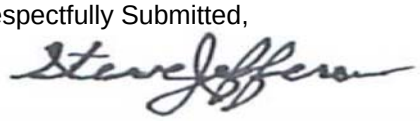
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0437-01) Collected: 21-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02131	1.8	21-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02131	1.8	21-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	21-Dec-20	21-Dec-20	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02229	0.05	22-Dec-20	22-Dec-20	**0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0437

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/21/20	1045	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.66 / 20.2 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

RECEIVED
DEC 21 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/21/20	12:45
Received by		Hermenegildo Cruz (IPC)	12/21/20	12:45
Relinquished by				
Received by				
Relinquished by				
Received by		DEC 21 2020		1231

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-20 14:18
Subject: (MCC) Daily EFF

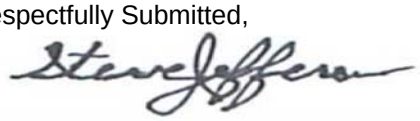
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0486-01) Collected: 22-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02228	1.8	22-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02228	1.8	22-Dec-20	24-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	22-Dec-20	22-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02326	0.05	23-Dec-20	23-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 12/28/2020
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0486

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/22/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/9.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/22/20	1420
Received by		MARIO SANTIESTEBAN	12/22/20	1420
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	12/23/20	1420

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid 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: 05-Jan-21 15:53
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0529-01) Collected: 23-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02327	1.8	23-Dec-20	25-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02327	1.8	23-Dec-20	25-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	23-Dec-20	23-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02404	0.05	24-Dec-20	24-Dec-20	**0.07 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0529

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/23/20	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
DEC 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	12/23/20	1210
Received by		pm	12/23/20	1235
Relinquished by		pm	12/23/20	1330
Received by				
Relinquished by				
Received by			DEC 23 2020	1345

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Jan-21 14:17
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0530-01) Collected: 23-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL02611	1	26-Dec-20	27-Dec-20	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA10206	0.10	02-Jan-21	02-Jan-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA10626	0.05	24-Dec-20	24-Dec-20	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AA10626	0.05	24-Dec-20	24-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA10621	0.10	06-Jan-21	07-Jan-21	**0.54 mg/l**	
EFF (Sample I.D.# : 20L0530-02) Collected: 22-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL02716	2	27-Dec-20	04-Jan-21	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/12/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0530

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
		Report Attention:	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/23/20	1210	1	TSS	Grab	AQ	1L P	4°C	
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	12/22/20	0000	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 23 2020
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (APC)	12/23/20	1210
Received by			12/23/20	1235
Relinquished by			12/23/20	1330
Received by				
Relinquished by				
Received by		DEC 23 2020		1348

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:40
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0527-01) Collected: 23-Dec-20 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL02611	1	26-Dec-20	27-Dec-20	**216 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL02410	2	24-Dec-20	29-Dec-20	**308 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0527

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) INF - Weekly	
Address: 9297 Research Drive, Irvine CA 92618		Sampled by:	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/22/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
DEC 23 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PC)	12/23/20	1000
Received by			12/23/20	1235
Relinquished by			12/23/20	1330
Received by				
Relinquished by				
Received by		DEC 23 2020		1339

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
C Grab	AQ - Water	P - Plastic
C Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any addenda or amendments thereto which are agreed to in writing. "Client" means the individual or entity who has signed (electronically, verbally, submitting an order, invoice and have previously accepted) a signed and agreed upon "Price Schedule" issued by Pat-Chem Laboratories (PCL) (standard price schedules or such documents may be amended or revised from time to time by PCL).

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following "Terms and Conditions" (the "Terms"). These Terms shall not apply to PCL and the Client that have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms of sale are 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 solicitation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions proposed in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of the agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (LLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Waste water and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Decisions, 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 assisting PCL at the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

[illegible] samples provided by client or on client premises and the reports delivered to PCL shall be held confidential and not disclosed to any third party except as required by law. PCL shall use the same standard [illegible] to protect the confidentiality of client's [illegible] as it uses to protect its own confidential information of like importance. Client hereby grants PCL the right to use client's name in connection with PCL's reports, services and other documents prepared pursuant to this agreement. Client agrees that PCL may use the results and findings of these services for its internal purposes and for statistical purposes. Client agrees to indemnify and hold harmless PCL from any and all claims, damages and expenses (including attorney's fees) arising out of PCL's performance of the services hereunder, to the extent such claims, damages or expenses are caused by the negligent acts or omissions of client, its agents, employees or others working on behalf of client.

10. Hold Harmless

Client agrees to indemnify, defend, and hold harmless PCL, its officers, employees, affiliates, subsidiaries, successors, assigns, agents, partners and principals from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including, but not limited to, attorneys' fees) caused by, arising out of or relating to Client's or any of Client's agents', employees', or representatives' (collectively, "Client") acts or omissions, whether negligent or otherwise, in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposition of any hazardous substances, toxic substances, or dangerous or regulated materials. Client's obligations under this section shall include, without limitation, the duty to promptly assume the defense of any claim against PCL that is subject to this indemnity with counsel reasonably acceptable to PCL and to pay all costs, including reasonable attorneys' fees, incurred by PCL in connection with any such claim. This indemnity shall survive any termination of this agreement. Client shall not settle any of the foregoing claims without the prior written consent of PCL, which consent shall not be unreasonably withheld or delayed. Client's indemnity shall apply to any liability, damage, cost or expense arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposition of any hazardous substances, toxic substances, or dangerous or regulated materials, except to the extent such liability, damage, cost or expense is caused by the gross negligence or willful misconduct of PCL or its employees. Further, Client shall indemnify, defend and hold harmless PCL from and against any and all claims, demands, causes of action, losses, damages, liabilities, costs and expenses (including, but not limited to, attorneys' fees) arising out of or relating to any third party claim for personal injury or property damage (collectively, "Claims") which may arise out of or in connection with the performance of services by PCL pursuant to this agreement and/or in connection with handling or disposition of any hazardous substances, toxic substances, or dangerous or regulated materials, except to the extent such Claims are caused by the gross negligence or willful misconduct of PCL or its employees

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:56
Subject: (MCC) Daily EFF

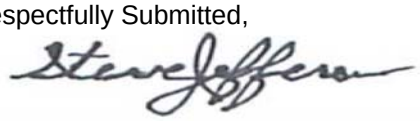
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0554-01) Collected: 24-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02409	1.8	24-Dec-20	26-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02409	1.8	24-Dec-20	26-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	24-Dec-20	24-Dec-20	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02606	0.05	24-Dec-20	24-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010554

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Avalos
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/24/20	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.93/16.1°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 24 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos	12/24/20	9:50
Received by:	Armando Chan (IPC)	12/24/20	11:45
Relinquished by:	Armando Chan (IPC)	12/24/20	13:35
Received by:			
Relinquished by:			
Received in lab by:	DEC 24 2020		1307

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodology as [illegible]. Where are is potentially conflicting with the U.S. Environmental Protection Agency (EPA), e.g. Wastewater (CWA), Drinking Water Act (SDWA), and Resource Conservation and Recovery Act (RCRA) [illegible] PCL will follow the most conservative [illegible] and the laws [illegible] PCL will be examined on Water and Wastewater analysis unless accepted in writing by PCL. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature of the samples or other circumstances in the reasonable judgement of PCL. Deviations, if any, will be made in a way consistent with the relevant standards of the industry and/or PCL Standard Operating Procedures (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 scope and/or proposal releases PCL from any liability in excess of the invoiced amount for the services, notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for assisting PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 15:58
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0557-01) Collected: 25-Dec-20 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02503	1.8	25-Dec-20	27-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02503	1.8	25-Dec-20	27-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02607	0.1	25-Dec-20	25-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02606	0.05	26-Dec-20	26-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060557

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/25/20	7:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	~	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 25 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/25/20	11:15
Received by	Alex Walker Jr	12/25/20	11:15
Relinquished by			
Received by			
Relinquished by			
Received by	DEC 25 2020		1300

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) -Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P)- Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli)- bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST)- Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:00
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0561-01) Collected: 26-Dec-20 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02609	1.8	26-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02609	1.8	26-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02719	0.1	26-Dec-20	26-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02613	0.05	26-Dec-20	26-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2060561

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Jesus Avalos
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/26/20	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 26 2020
By Alex Walker Jr.

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos	12/26/20	9:55
Received by: Alex Walker Jr.	Alex Walker Jr	12/26/20	1130
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Walker Jr.	DEC 26 2020		1350

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
(G) Grab	(AQ) - Water	(P) - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:03
Subject: (MCC) Daily EFF

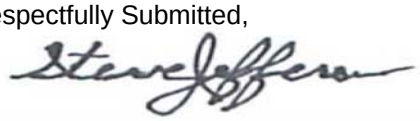
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0566-01) Collected: 27-Dec-20 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AL02717	1.8	27-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02717	1.8	27-Dec-20	30-Dec-20	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02719	0.1	27-Dec-20	27-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02718	0.05	27-Dec-20	27-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020566

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: MA of IPC	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/27/20	9:47	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 27 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/27/20	9:52
Received by	Alex Walker Jr	12/27/20	11:30
Relinquished by			
Received by			
Relinquished by			
Received in lab		DEC 27 2020	1343

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:05
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0584-01) Collected: 28-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02829	1.8	28-Dec-20	01-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02829	1.8	28-Dec-20	01-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL02838	0.1	28-Dec-20	28-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL02839	0.05	28-Dec-20	28-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0584

Customer:	IPC - Integrated Performance Consultants, inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/28/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 28 2020
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/28/20	1140
Received by			12/28/20	1150
Relinquished by			12/28/20	1247
Received by				
Relinquished by				
Received in lab by			DEC 28 2020	1247

Sample Received Checklist

Temperature upon receipt:	4 °C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:08
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0659-01) Collected: 29-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL02915	1.8	29-Dec-20	02-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL02915	1.8	29-Dec-20	02-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	29-Dec-20	29-Dec-20	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL03023	0.05	30-Dec-20	30-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample
Sample I.D.#: 20L0659

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/29/20	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Totai Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/29/20	1140
Received by EB	Carb	12/29/20	1145
Relinquished by			
Received by			
Relinquished by			
Received in lab by EB	Carb	12/29/20	1415

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 12-Jan-21 14:19
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 20L0718-01) Collected: 29-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL03107	1	31-Dec-20	04-Jan-21	**211 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA10320	2	03-Jan-21	08-Jan-21	**339 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/12/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0718

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/29/20	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivares (IPC)	12/30/20	1000
Received by			12/30/20	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by			12/30/20	1515

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-21 16:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0709-01) Collected: 30-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL03026	1.8	30-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL03026	1.8	30-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	30-Dec-20	30-Dec-20	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10205	0.05	31-Dec-20	31-Dec-20	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2020709

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/30/20	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/30/20	1120
Received by	Eb	Carlos pm1	12/30/20	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Eb	Carlos pm	12/30/20	1450

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Jan-21 11:19
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0720-01) Collected: 30-Dec-20 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AL03107	1	31-Dec-20	04-Jan-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA10422	0.10	04-Jan-21	04-Jan-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA10729	0.05	31-Dec-20	31-Dec-20	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AA10729	0.05	31-Dec-20	31-Dec-20	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA11230	0.10	12-Jan-21	13-Jan-21	**0.98 mg/l**	
EFF (Sample I.D.# : 20L0720-02) Collected: 29-Dec-20 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA10320	2	03-Jan-21	08-Jan-21	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/13/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 20L0720

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Weekly	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kiir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/30/20	1120	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	12/29/30	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/30/20	1120
Received by	EB	Carlos PM	12/30/20	1205
Relinquished by				
Received by				
Relinquished by				
Received in lab by	EB	Carlos PM	12/30/20	1530

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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: 05-Jan-21 16:13
Subject: (MCC) Daily EFF

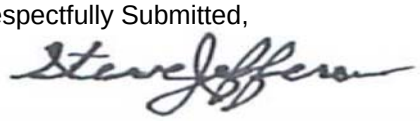
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 20L0766-01) Collected: 31-Dec-20 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL03106	1.8	31-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL03106	1.8	31-Dec-20	03-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	31-Dec-20	31-Dec-20	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10205	0.05	02-Jan-21	02-Jan-21	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Steve Jefferson 1/5/2021
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2010766

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/31/20	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	12/31/20	11:25
Received by: EB	Evan B	12/31/20	11:45
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: EB	Evan B	12/31/20	1300

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17



Malibu Civic Center Wastewater Treatment Facility

2020 Annual Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

prepared for

City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

March 1, 2021

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com
www.rinconconsultants.com

March 1, 2021
Project No: 20-09665

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

Subject: 2020 Annual Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California

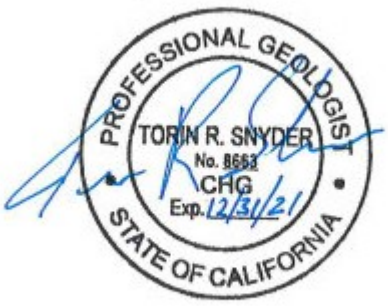
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the 2020 Annual 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 2020 Annual Long-Term Groundwater and Surface Water Monitoring Report.

Sincerely,
Rincon Consultants, Inc.



Kiernan Brtalik, CPSWQ, QSP/D
Environmental Scientist

Torin Snyder, PG, CHG, TOR, QSD/P
Principal

Certification

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment."

Executed on the 26 day of February 2021 at _____



Signature

Environmental Sustainability Director

Title

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Appendix A Groundwater and Surface Water Field Sheets
Appendix B Analytical Laboratory Reports

1 Introduction

This report presents the results of groundwater and surface water monitoring activities conducted during the 2020 reporting period for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California (Figure 1). The CCWTF began discharging treated wastewater in the third quarter of 2018, triggering Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu (Figure 2). The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Recycled Water in the Prohibition area in conformance with California Code of Regulations, Title 22
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following activation of the CCWTF operations, baseline monitoring activities (Task I) were completed and long-term monitoring activities (Task II) were triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

The basin-wide long-term monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks were designed to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of this task was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells and surface water quality at 10 locations on a quarterly basis. Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of samples collected for a given quarter may be reduced from nine to seven groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds.

The objective of long-term monitoring is to identify impacts, if any, that land disposal of recycled water, via injection and landscape irrigation or percolation, have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells were chosen to provide adequate spatial and vertical coverage of the basin near the CCWTF injection to monitor for potential adverse impacts. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program builds upon the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at sixteen groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City of Malibu and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City of Malibu has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen groundwater wells located in the City of Malibu's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109-square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (Department of Water Resources [DWR] groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is composed of non-water-bearing Tertiary age rocks.

Water bearing geologic formations in the Malibu Valley Groundwater Basin include Holocene alluvium, consisting of clays, silts, sands, and gravels overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to about 175 feet in the central part of the main body of the alluvium. The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-

grained estuarine deposits, and 3) an underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 2000, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 20 feet below grade and is deeper in the upland canyon areas.

4 Completed Activities During 2020

The following activities were completed during the 2020 reporting period:

- Rincon prepared the Fourth Quarter 2019, Annual 2019, First Quarter 2020, Second Quarter 2020, and Third Quarter 2020 Groundwater and Surface Water Monitoring Reports for City submittal to the LARWQCB
- Rincon collected and analyzed groundwater and surface water samples for WDR/MRP compliance (Task II) during each quarter of 2020
- Rincon collected and analyzed groundwater samples for SNMP (Task III) and MOU (Task IV) compliance during the first and third quarters of 2020
- Rincon measured depth to water in the groundwater monitoring wells monthly throughout the 2020 reporting period (Task V)

5 Groundwater Elevations and Gradients

During each month of the 2020 reporting period, Rincon mobilized to 43 groundwater monitoring wells to measure the depth to water using an electronic water level indicator (summarized in the table below; also see Table 1 and Appendix A).

Groundwater Monitoring Locations

Shallow Zone (33 wells)[1]				
C-1	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	M6-1	M6-2
M7-1	M7-2	MBCMW-5	MBCMW-7	MBCMW-8
MBCMW-9	MBCMW-10	MCWP-MW04S	MCWP-MW07S	MCWP-MW08
MCWP-MW10	P-4	P-9	SMBRP-2	SMBRP-6
SMBRP-7B	SMBRP-8 (EC1-RC-MW01)	SMBRP-9	SMBRP-10C	SMBRP-12
SMBRP-13	SMBRP-15B[2]	SMBRP-16		
Deep Zone (8 wells)				
MCWP-MW01	MCWP-MW02	MCWP-MW03	MCWP-MW04D	MCWP-MW05
MCWP-MW06	MCWP-MW07D	MCWP-MW09		
Winter Canyon (2 wells)				
LAMW-5S	SMBRP-11			

[1] Two wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

[2] SMBRP-15B has been dry as of the first monitoring event in August 2015

5.1 Shallow Zone

Groundwater elevation measurements from each shallow monitoring well are included in Table 1 and shown on Figures 3 through 14. The following table summarizes the shallow groundwater elevation ranges observed during the2020 reporting period, changes in elevation compared to the 2019 reporting period, and historical groundwater elevation range.

Summary of Groundwater Elevations – Shallow Zone

2020			2019			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
1.09 (CCPE)	25.02 (SMBRP-8 [EC1-RC-MW01])	7.84	1.34 (CCPE)	24.25 (SMBRP-8 [EC1-RC-MW01])	8.28	1.09 (CCPE, 05/2020)	25.38 (SMBRP-8 [EC1-RC-MW01], 05/2017)

Changes from January to December 2020						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
10	-4.59 (SMBRP-10C)	-2.11	4	3.83 (CCPE)	0.66	-0.58

Note: Elevations measured in feet above mean sea level

The shallow groundwater gradient was calculated, and flow direction estimated based on the monthly groundwater elevation data in SMBRP-2, SMBRP-9, and SMBRP-12 and summarized in the table below (Figures 3 to 14).

Summary of Groundwater Gradients

Month	**Gradient** (feet per foot)	Flow Direction
January	0.0042	South-southeast
February	0.0043	South-southeast
March	0.0044	South-southeast
April	0.0048	South-southeast
May	0.0047	South-southeast
June	0.0048	South-southeast
July	0.0050	South-southeast
August	0.0047	South-southeast
September	0.0045	South-southeast
October	0.0043	South-southeast
November	0.0044	South-southeast
December	0.0033	South-southeast
AVERAGE	**0.0045**	

5.2 Deep Zone

Groundwater elevation measurements from each deep monitoring well are included in Table 1. The following table summarizes the deep groundwater elevation ranges observed in the 2020 reporting period, changes in elevation compared to the 2019 reporting period, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

2020			2019			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
4.16 (MCWP-MW07D)	10.80 (MCWP-MW09)	6.57	4.50 (MCWP-MW07D)	11.39 (MCWP-MW09)	7.03	4.09 (MCWP-MW07D, 12/2017)	11.55 (MCWP-MW09, 12/2015)

Changes from January to December 2020						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
0	–	–	8	1.5 (MCWP-MW02)	0.99	0.99

Note: Elevations measured in feet above mean sea level

5.3 Winter Canyon

Groundwater elevation measurements from each Winter Canyon monitoring well are included in Table 1. The following table summarizes the Winter Canyon groundwater elevation ranges observed in the 2020 reporting period, changes in elevation compared to the 2019 reporting period, and historical groundwater elevation ranges.

Summary of Groundwater Elevations – Winter Canyon

2020			2019			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
9.59 (SMBRP-11)	52.45 (LAMW-5S)	32.29	9.65 (SMBRP-11)	58.65 (LAMW-5S)	32.67	9.31 (SMBRP-11, 05/2018)	58.65 (LAMW-5S, 03/2019)

Changes from January to December 2020						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
2	-3.04 (LAMW-5S)	-1.62	0	–	–	-1.62

Note: Elevations measured in feet above mean sea level

6 Water Quality Sampling Analysis

This section presents laboratory analytical results for samples collected during the 2020 reporting period. Included below are the constituents required by the WDR for surface water monitoring, and which are also analyzed in groundwater samples. This includes total and fecal coliform, nitrate as nitrogen, nitrite as nitrogen, organic nitrogen, ammonia, total Kjeldahl nitrogen (TKN), and total phosphorous. Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone. A schematic of this process is provided as Figure 15.

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 2020 reporting period are provided in Table 3 and Table 4. Analytical laboratory reports are included as Appendix B of this report.

6.1 Surface Water

A total of 10 surface water samples were collected during each quarter of the 2020 reporting period. Four ocean water samples were collected from the Near Shore sampling locations (N-001 through N-004) and six surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006) in accordance with the WDR/MRP (Task II) monitoring requirements, as summarized in the table below.

Surface Water Sampling Locations

Near Shore Ocean					
N-001	N-002	N-003	N-004	-	-
Malibu Lagoon and Creek					
L-001	L-002	L-003	L-004	L-005	L-006

Sampling Methodology

The Near Shore ocean water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep). Surface water samples from Malibu Lagoon and Creek monitoring locations were collected from each location at a depth of approximately 12 inches below the surface of the water.

All surface water samples were collected up-current of sampling personnel to minimize potential contamination of surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy Analytical (Enthalpy), a California-accredited analytical laboratory located in Orange, California. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy under chain-of-custody documentation.

Laboratory Analyses

Near Shore

The following table summarizes constituent detections in surface water samples collected from the four Near Shore sampling locations during the 2020 reporting period. This table presents the number of samples detected above the laboratory detection limit (RDL), the minimum and maximum concentrations detected above the RDL, and average concentration for each detected constituent.[1]

Summary of Detected Concentrations in Surface Water – Near Shore

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	16	150 (N-004; 3/2020)	>2,400 (5 samples in 2020)	1,505	MPN/100 mL
Fecal Coliform	8	1.0 (N-004; 4/2020)	34 (N-003; 4/2020)	6.58	MPN/100 mL
Nitrate as Nitrogen	0	–	–	–	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	10	0.078 (N-004; 11/2020)	0.32 (N-003; 4/2020)	0.19	mg/L
Ammonia Nitrogen	1	–	0.090 (N-003; 3/2020)	0.053	mg/L
Total Kjeldahl Nitrogen	11	0.078 (N-004; 11/2020)	0.48 (N-003; 3/2020)	0.20	mg/L
Total Phosphorous	16	0.028 (N-002; 4/2020)	1.0 (N-001; 11/2020)	0.27	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

Malibu Lagoon and Creek

The following table summarizes constituent detections in surface water samples collected from the six Malibu Lagoon and Creek monitoring locations during the 2020 reporting period.

Summary of Detected Concentrations in Surface Water – Malibu Lagoon and Creek

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	24	390 (L-001; 3/2020)	>2,400 (21 samples in 2020)	2,245	MPN/100 mL
Fecal Coliform	23	5.0 (L-003; 3/2020)	>2,400 (6 samples in 2020)	781	MPN/100 mL
Nitrate as Nitrogen	9	0.090 (L-003; 4/2020)	1.3 (L-002; 3/2020)	0.37	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	24	0.098 (L-004; 8/2020)	9.3 (L-003; 3/2020)	0.93	mg/L
Ammonia Nitrogen	6	0.020 (L-006; 4/2020)	0.52 (L-006; 3/2020)	0.087	mg/L
Total Kjeldahl Nitrogen	24	0.098 (L-004; 8/2020)	9.4 (L-003; 3/2020)	0.98	mg/L
Total Phosphorous	24	0.020 (L-006; 8/2020)	0.55 (L-002; 3/2020)	0.26	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

[1] Averages throughout this report are calculated using the upper detection limit value for results that exceeded the upper detection limit and half of the RDL for results that were not detected.

6.2 Groundwater

The following number of groundwater monitoring wells were sampled during the 2020 reporting period:

- First Quarter of 2020 – 16 wells (Task II, III, and IV)
- Second Quarter of 2020 – 9 wells (Task II)
- Third Quarter of 2020 – 16 wells (Task II, III, and IV)
- Fourth Quarter of 2020 – 7 wells (Task II)

A total of nine groundwater monitoring wells are typically sampled quarterly. However, the MRP specifies that if flows to the percolation ponds is less than 10 percent greater than the permitted flows then the City of Malibu can reduce the number of wells sampled and analyzed for the long-term monitoring program to seven groundwater monitoring wells. Per the WDR/MRP, the Winter Canyon groundwater monitoring wells (LAMW-5S and SMBRP-11) were excluded from the fourth quarter of 2020 monitoring event.

Groundwater Sampling Locations

Well ID	Zone	Task	Sampling Frequency
SMBRP-9	Shallow	II, III, IV	Quarterly
SMBRP-12	Shallow	II, III, IV	Quarterly
MCWP-MW04S	Shallow	II, III, IV	Quarterly
MCWP-MW07S	Shallow	II, III, IV	Quarterly
MCWP-MW04D	Deep	II, III, IV	Quarterly
MCWP-MW07D	Deep	II, III, IV	Quarterly
MCWP-MW09	Deep	II, III, IV	Quarterly
SMBRP-11	Winter Canyon	II, III, IV	Quarterly
LAMW-5S	Winter Canyon	II, III, IV	Quarterly
CCPE	Shallow	III, IV	Semi-Annually
SMBRP-7B	Shallow	III, IV	Semi-Annually
SMBRP-13	Shallow	III, IV	Semi-Annually
MBCMW-9	Shallow	III, IV	Semi-Annually
MCWP-MW10	Shallow	III, IV	Semi-Annually
MCWP-MW05	Deep	III	Semi-Annually
MCWP-MW06	Deep	III	Semi-Annually

Sampling Methodology

Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump or by hand bailing. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10 percent or until the well purged dry, whichever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water were stored in a 100-gallon and 250-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWTF.

Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to Enthalpy. Field data sheets are included in Appendix A.

Laboratory Analyses

The following table summarizes constituent detections in groundwater samples collected during the 2020 reporting period. For comparison, this table presents results for constituents also analyzed for in surface water samples. In addition to those constituents, total dissolved solids (TDS), which represents the total concentration of dissolved substances in water and are commonly associated with OWDS effluent, is presented below. For a complete list of analytical results from groundwater samples, please refer to Appendix B.

Summary of Detected Concentrations in Groundwater

Constituent	Number Analyzed	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	44	38	1.0 (SMBRP-7B and MCWP-MW04D in 8/2020)	>2,400 (10 samples in 2020)	836	MPN/ 100 mL
Fecal Coliform	44	19	1.0 (6 samples in 2020)	870 (MCWP-MW07D in 4/2020)	50	MPN/ 100 mL
Nitrate as Nitrogen	48	35	0.040 (MCWP-MW07D in 4/2020)	11 (SMBRP-9 in 8/2020)	2.0	mg/L
Nitrite as Nitrogen	44	2	0.10 (MCWP-MW09 in 3/2020)	0.35 (MCWP-MW07D in 3/2020)	0.22	mg/L
Organic Nitrogen	36	36	0.070 (SMBRP-7B in 8/2020)	1.8 (MCWP-MW09 in 4/2020)	0.51	mg/L
Ammonia Nitrogen	44	28	0.022 (SMBRP-9 in 11/2020)	10 (MCWP-MW07D in 8/2020)	1.2	mg/L
Total Kjeldahl Nitrogen	44	43	0.14 (MCWP-MW04D in 11/2020)	13 (MCWP-MW07D in 8/2020)	1.7	mg/L
Total Phosphorous	44	43	0.016 (SMBRP-11 in 3/2020)	1.5 (SMBRP-12 in 3/2020)	0.33	mg/L
Total Dissolved Solids	48	48	92 (MCWP-MW07D in 4/2020)	5,900 (MBCMW-9 in 8/2020)	1,885	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.3 Analytical Laboratory QA/QC

During each quarterly reporting period, 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 contains the QC flags (Appendix B). Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative.

7 Scheduled Activities for 2021

Rincon submitted the Fourth Quarter 2020 Long-Term Groundwater and Surface Water Monitoring Report for City submittal to the LARWQCB on January 29, 2021.

The following activities will be completed during 2021:

- Prepare and submit this 2020 Annual Long-Term Groundwater and Surface Water Monitoring Report for City submittal to the LARWQCB
- Collect and analyze quarterly groundwater and surface water samples for WDR/MRP (Task II) compliance
- Collect and analyze semi-annual groundwater samples for SNMP and MOU compliance (Tasks III and IV)
- Measure depth to water in the groundwater monitoring wells on a monthly basis (Task V)
- Prepare and submit quarterly Long-Term Groundwater and Surface Water Monitoring Reports for City submittal to the LARWQCB

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the 2020 reporting period, groundwater elevations decreased in 45 percent of shallow groundwater monitoring wells with an average change of -0.58 feet when comparing the year-to-year data. Groundwater elevations increased in each of the deep groundwater monitoring wells and decreased in both Winter Canyon groundwater monitoring wells. Through the year and over the course of this monitoring program, groundwater elevations appear to display seasonal variation in the deep groundwater monitoring wells (e.g., rainy season influence) and likely tidal fluctuation or other influences at the shallow groundwater monitoring wells.

8.2 Surface Water Quality

The maximum total coliform concentrations in the Near Shore samples were detected during the third quarter of 2020, with each sample exceeding the laboratory upper detection limit of 2,400 MPN/100 mL. Total coliform concentrations in the Malibu Lagoon and Creek sampling locations exceeded the laboratory upper detection limit of 2,400 MPN/100 mL in all but three surface water samples collected during the 2020 reporting period. The average total coliform concentration in the surface water samples collected in 2020 was 1,949 MPN/100 mL, an increase from the 2019 average (1,896 MPN/100 mL).

Fecal coliform concentrations were only detected in half of the Near Shore samples, with the maximum concentration of 34 MPN/100 mL detected at N-003 during the second quarter of 2020. At the Malibu Lagoon and Creek sampling locations, fecal coliform was detected in every surface water sample collected during the 2020 reporting period, with the exception of L-001 during the first quarter of 2020. The laboratory upper detection limit of 2,400 MPN/100 mL was exceeded in six Malibu Lagoon and Creek samples. The average fecal coliform concentration in the surface water

samples collected in 2020 was 472 MPN/100 mL, an increase from the 2019 average (145 MPN/100 mL).

Nitrate as nitrogen was not detected in the Near Shore surface water samples and was only detected in nine samples collected from Malibu Lagoon and Creek, with a maximum concentration of 1.3 mg/L (L-002 in the first quarter of 2020). Nitrate as nitrogen was not detected in any of the surface water samples collected during the 2020 reporting period.

Phosphorous was detected in each surface water sample collected in 2020 and average concentrations increased compared to concentrations observed in 2019, from 0.20 mg/L to 0.26 mg/L.

8.3 Groundwater Quality

Total coliform concentrations in groundwater monitoring well samples exceeded the laboratory upper detection limit of 2,400 MPN/100 mL in ten samples. The average total coliform concentration in the groundwater samples collected in 2020 was 836 MPN/100 mL, an increase from the 2019 average (756 MPN/100 mL).

Detections of fecal coliform were detected during each quarter of 2020 and were reported in 19 groundwater samples, with the maximum concentration observed in MCWP-MW07D (870 MPN/100 mL). Fecal coliform was not detected in SMBRP-9, SMBRP-11, MCWP-MW04S, MCWP-MW04D, or MCWP-MW10 during the 2020 reporting period. The average fecal coliform concentration in the groundwater samples collected in 2020 was 50 MPN/100 mL, a decrease from the 2019 average (110 MPN/100 mL).

Nitrate as nitrogen was detected in all sixteen groundwater monitoring wells, with the exception of SMBRP-13 and MBCMW-9. The average nitrate as nitrogen concentration in the groundwater samples collected in 2020 was 2.0 mg/L, a decrease from the 2019 average (2.7 mg/L).

Concentrations of TDS were detected in all sixteen groundwater wells, with the maximum concentration of 5,900 mg/L detected in MBCMW-9 in the third quarter of 2020. The average TDS concentration in the groundwater samples collected in 2020 was 1,885 mg/L, a slight increase from the 2019 average (1,868 mg/L).

8.4 Annual Evaluation of Injected Recycled Water

As presented above, the average groundwater elevation in shallow groundwater monitoring wells displayed a slight decrease during the 2020 reporting period, while average elevation at the deep monitoring wells increased, and decreased in the Winter Canyon monitoring wells. The groundwater flow direction and gradient was approximately 0.0045 feet per foot throughout the monitoring period with a south-southeast flow direction. Recycled water was discharged to groundwater during each month of the 2020 reporting period with injection occurring at Injection Well 2, only.[2] The following table summarizes the monthly and annual discharge volume in gallons:

[2] Note that recycled water was also used for irrigation at Bluffs Park as part of the City's Parks Landscape Irrigation program.

2020 Recycled Water Discharge to Groundwater (Injection Well 2)

Jan	Feb	Mar	Apr	May	Jun
1,678,662	1,492,382	1,495,018	981,684	768,785	907,254
Jul	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
841,860	722,229	793,889	1,028,615	1,044,220	632,439
2020 TOTAL:	**12,387,038**				

Note: Amount of discharged recycled water measured in gallons

Referencing 2020 flows at Injection Well 2 and considering that discharge began in third quarter 2018, an assessment of the long-term elevation and analytical data was conducted to understand flow paths and potential influences of the injected recycled water. This included a visual analysis using time-series plots for monitoring results prior to and following recycled water injection to groundwater. This analysis showed no signs of mounding or changed groundwater elevation characteristics at the proximate and downgradient monitoring wells. In addition, the analysis of groundwater analyitical data showed groundwater quality has not displayed a noticable change during the 2020, or in previous reporting periods.

Based on the data available, it is unclear if the injected water is influencing the groundwater flow direction, gradient, and water quality, and it is assumed that the injected water flows south-southeast to Santa Monica Bay.

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

Ambrose, Richard F. and Anthony R. Orme. 2000. Lower Malibu Creek and Lagoon Resource Enhancement and Management: Final Report to the California Coastal Conservancy.

Earth Consultants International. 2000. IOKI and Chili Cookoff Parcels, Malibu, California: Civic Center Groundwater Report.

Fugro West, Inc. 2005. A Steady-State Groundwater Flow Model for the Proposed Malibu-Lapaz Ranch Development. Prepared for Sterling Capital.

GeoSoils. 1989. Response to County of Los Angeles Geologic Review of 18.4 Acre Parcel NW of Cross Creek Road and Civic Center Way. April 17.

Geosyntec Consultants. 2007. Geotechnical Site Exploration and Interpretation of Subsurface Conditions, Malibu Legacy Park Site, Malibu, California. Report prepared for RMC Water and Environment. July 30.

Leighton and Associates, Inc. 1994. Report for Geotechnical Studies for Planning Purposes in the Civic Center Area, City of Malibu, California. Volumes I and II.

Los Angeles Regional Water Quality Control Board. 2011. State of the Watershed, Report on Water Quality, the Santa Monica Bay Watershed Management Area. Second Edition. November.

_____. 2014. Memorandum of Understanding Between City of Malibu and the Regional Water Quality Control Board, Los Angeles Region and State Water Resources Control Board Regarding Phased Implementation of Basin Plan Amendment Prohibiting On-Site Wastewater Disposal Systems in the Malibu Civic Center Area.

_____. 2015. Waste Discharge Requirements / Water Recycling Requirements for Malibu Civic Center Wastewater Treatment Facility – Phase I & II.

RMC Water. 2015a. Draft Salt Nutrient and Management Plan Malibu Valley Groundwater Basin.

_____. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	1/23/2020	11.47	6.77	4.70
C-1	2/11/2020	11.47	5.80	5.67
C-1	3/2/2020	11.47	6.90	4.57
C-1	4/27/2020	11.47	7.52	3.95
C-1	5/28/2020	11.47	7.21	4.26
C-1	6/12/2020	11.47	7.20	4.27
C-1	7/29/2020	11.47	4.98	6.49
C-1	8/17/2020	11.47	7.15	4.32
C-1	9/23/2020	11.47	6.94	4.53
C-1	10/22/2020	11.47	5.15	6.32
C-1	11/16/2020	11.47	5.32	6.15
C-1	12/18/2020	11.47	6.48	4.99
C-2	1/23/2020	11.19	6.56	4.63
C-2	2/11/2020	11.19	5.19	6.00
C-2	3/2/2020	11.19	6.80	4.39
C-2	4/27/2020	11.19	7.30	3.89
C-2	5/28/2020	11.19	7.00	4.19
C-2	6/12/2020	11.19	7.10	4.09
C-2	7/29/2020	11.19	4.86	6.33
C-2	8/17/2020	11.19	6.89	4.30
C-2	9/23/2020	11.19	6.77	4.42
C-2	10/22/2020	11.19	4.90	6.29
C-2	11/16/2020	11.19	5.21	5.98
C-2	12/18/2020	11.19	6.35	4.84
CCPE	1/23/2020	12.94	11.20	1.74
CCPE	2/11/2020	12.94	6.96	5.98
CCPE	3/2/2020	12.94	8.34	4.60
CCPE	4/27/2020	12.94	11.44	1.50
CCPE	5/28/2020	12.94	11.85	1.09
CCPE	6/12/2020	12.94	11.35	1.59
CCPE	7/29/2020	12.94	5.46	7.48
CCPE	8/17/2020	12.94	8.57	4.37
CCPE	9/23/2020	12.94	8.39	4.55
CCPE	10/22/2020	12.94	5.95	6.99
CCPE	11/16/2020	12.94	6.22	6.72
CCPE	12/18/2020	12.94	7.37	5.57
CCPNE	1/23/2020	13.68	8.53	5.15
CCPNE	2/11/2020	13.68	7.80	5.88
CCPNE	3/2/2020	13.68	8.72	4.96
CCPNE	4/27/2020	13.68	9.03	4.65
CCPNE	5/28/2020	13.68	8.76	4.92
CCPNE	6/12/2020	13.68	8.81	4.87
CCPNE	7/29/2020	13.68	6.12	7.56
CCPNE	8/17/2020	13.68	9.02	4.66
CCPNE	9/23/2020	13.68	8.96	4.72
CCPNE	10/22/2020	13.68	6.71	6.97
CCPNE	11/16/2020	13.68	7.00	6.68
CCPNE	12/18/2020	13.68	7.93	5.75

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPSW	1/23/2020	13.67	8.13	5.54
CCPSW	2/11/2020	13.67	7.76	5.91
CCPSW	3/2/2020	13.67	8.28	5.39
CCPSW	4/27/2020	13.67	8.50	5.17
CCPSW	5/28/2020	13.67	7.95	5.72
CCPSW	6/12/2020	13.67	8.30	5.37
CCPSW	7/29/2020	13.67	6.02	7.65
CCPSW	8/17/2020	13.67	8.51	5.16
CCPSW	9/23/2020	13.67	8.59	5.08
CCPSW	10/22/2020	13.67	6.68	6.99
CCPSW	11/16/2020	13.67	6.86	6.81
CCPSW	12/18/2020	13.67	7.44	6.23
CCW-4	1/23/2020	15.77	4.50	11.27
CCW-4	2/11/2020	15.77	4.45	11.32
CCW-4	3/2/2020	15.77	4.44	11.33
CCW-4	4/27/2020	15.77	3.38	12.39
CCW-4	5/28/2020	15.77	4.50	11.27
CCW-4	6/12/2020	15.77	4.99	10.78
CCW-4	7/29/2020	15.77	5.45	10.32
CCW-4	8/17/2020	15.77	5.59	10.18
CCW-4	9/23/2020	15.77	6.00	9.77
CCW-4	10/22/2020	15.77	6.25	9.52
CCW-4	11/16/2020	15.77	6.44	9.33
CCW-4	12/18/2020	15.77	6.58	9.19
GH6-M1	1/23/2020	-	27.48	-
GH6-M1	2/11/2020	-	27.35	-
GH6-M1	3/2/2020	-	27.34	-
GH6-M1	4/27/2020	-	Inaccessible	-
GH6-M1	5/28/2020	-	26.50	-
GH6-M1	6/12/2020	-	26.50	-
GH6-M1	7/29/2020	-	26.43	-
GH6-M1	8/17/2020	-	26.69	-
GH6-M1	9/23/2020	-	27.19	-
GH6-M1	10/22/2020	-	27.50	-
GH6-M1	11/16/2020	-	27.83	-
GH6-M1	12/18/2020	-	28.12	-
GH8-M3	1/23/2020	-	26.70	-
GH8-M3	2/11/2020	-	26.54	-
GH8-M3	3/2/2020	-	26.48	-
GH8-M3	4/27/2020	-	Inaccessible	-
GH8-M3	5/28/2020	-	25.61	-
GH8-M3	6/12/2020	-	25.82	-
GH8-M3	7/29/2020	-	25.85	-
GH8-M3	8/17/2020	-	26.07	-
GH8-M3	9/23/2020	-	26.65	-
GH8-M3	10/22/2020	-	26.96	-
GH8-M3	11/16/2020	-	27.26	-
GH8-M3	12/18/2020	-	27.50	-

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH9-M4	1/23/2020	-	Buried	-
GH9-M4	2/11/2020	-	Buried	-
GH9-M4	3/2/2020	-	Buried	-
GH9-M4	4/27/2020	-	Buried	-
GH9-M4	5/28/2020	-	Buried	-
GH9-M4	6/12/2020	-	Buried	-
GH9-M4	7/29/2020	-	Buried	-
GH9-M4	8/17/2020	-	Buried	-
GH9-M4	9/23/2020	-	Buried	-
GH9-M4	10/22/2020	-	Buried	-
GH9-M4	11/16/2020	-	Buried	-
GH9-M4	12/18/2020	-	Buried	-
M6-1	1/23/2020	-	24.60	-
M6-1	2/11/2020	-	6.22	-
M6-1	3/2/2020	-	6.45	-
M6-1	4/27/2020	-	6.18	-
M6-1	5/28/2020	-	6.12	-
M6-1	6/12/2020	-	7.75	-
M6-1	7/29/2020	-	6.11	-
M6-1	8/17/2020	-	7.20	-
M6-1	9/23/2020	-	7.70	-
M6-1	10/22/2020	-	7.20	-
M6-1	11/16/2020	-	7.15	-
M6-1	12/18/2020	-	6.45	-
M6-2	1/23/2020	-	5.78	-
M6-2	2/11/2020	-	4.59	-
M6-2	3/2/2020	-	4.74	-
M6-2	4/27/2020	-	4.04	-
M6-2	5/28/2020	-	4.50	-
M6-2	6/12/2020	-	7.03	-
M6-2	7/29/2020	-	5.07	-
M6-2	8/17/2020	-	5.35	-
M6-2	9/23/2020	-	5.70	-
M6-2	10/22/2020	-	5.70	-
M6-2	11/16/2020	-	5.80	-
M6-2	12/18/2020	-	5.80	-
M7-1	1/23/2020	-	6.76	-
M7-1	2/11/2020	-	7.18	-
M7-1	3/2/2020	-	7.45	-
M7-1	4/27/2020	-	6.79	-
M7-1	5/28/2020	-	7.50	-
M7-1	6/12/2020	-	6.59	-
M7-1	7/29/2020	-	7.42	-
M7-1	8/17/2020	-	8.00	-
M7-1	9/23/2020	-	8.44	-
M7-1	10/22/2020	-	8.28	-
M7-1	11/16/2020	-	8.36	-
M7-1	12/18/2020	-	8.25	-

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-2	1/23/2020	-	5.67	-
M7-2	2/11/2020	-	6.95	-
M7-2	3/2/2020	-	6.60	-
M7-2	4/27/2020	-	5.57	-
M7-2	5/28/2020	-	6.98	-
M7-2	6/12/2020	-	4.80	-
M7-2	7/29/2020	-	6.90	-
M7-2	8/17/2020	-	7.13	-
M7-2	9/23/2020	-	7.52	-
M7-2	10/22/2020	-	7.68	-
M7-2	11/16/2020	-	7.85	-
M7-2	12/18/2020	-	7.98	-
MBCMW-5	4/27/2020	19.40	16.75	2.65
MBCMW-5	5/28/2020	19.40	16.78	2.62
MBCMW-5	6/12/2020	19.40	17.00	2.40
MBCMW-5	7/29/2020	19.40	16.94	2.46
MBCMW-5	8/17/2020	19.40	17.10	2.30
MBCMW-5	9/23/2020	19.40	17.62	1.78
MBCMW-5	10/22/2020	19.40	17.91	1.49
MBCMW-5	11/16/2020	19.40	18.11	1.29
MBCMW-5	12/18/2020	19.40	18.18	1.22
MBCMW-7	1/23/2020	16.64	NM	-
MBCMW-7	2/11/2020	16.64	11.08	5.56
MBCMW-7	3/2/2020	16.64	NM	-
MBCMW-7	4/27/2020	16.64	11.79	4.85
MBCMW-7	5/28/2020	16.64	11.45	5.19
MBCMW-7	6/12/2020	16.64	11.82	4.82
MBCMW-7	7/29/2020	16.64	10.89	5.75
MBCMW-7	8/17/2020	16.64	12.58	4.06
MBCMW-7	9/23/2020	16.64	12.95	3.69
MBCMW-7	10/22/2020	16.64	11.84	4.80
MBCMW-7	11/16/2020	16.64	11.55	5.09
MBCMW-7	12/18/2020	16.64	10.95	5.69
MBCMW-8	1/23/2020	16.53	6.20	10.33
MBCMW-8	2/11/2020	16.53	6.83	9.70
MBCMW-8	3/2/2020	16.53	7.05	9.48
MBCMW-8	4/27/2020	16.53	5.81	10.72
MBCMW-8	5/28/2020	16.53	6.86	9.67
MBCMW-8	6/12/2020	16.53	7.42	9.11
MBCMW-8	7/29/2020	16.53	7.47	9.06
MBCMW-8	8/17/2020	16.53	7.60	8.93
MBCMW-8	9/23/2020	16.53	8.44	8.09
MBCMW-8	10/22/2020	16.53	8.62	7.91
MBCMW-8	11/16/2020	16.53	8.76	7.77
MBCMW-8	12/18/2020	16.53	8.99	7.54

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-9	1/23/2020	17.71	6.30	11.41
MBCMW-9	2/11/2020	17.71	6.46	11.25
MBCMW-9	3/2/2020	17.71	6.73	10.98
MBCMW-9	4/27/2020	17.71	5.60	12.11
MBCMW-9	5/28/2020	17.71	6.50	11.21
MBCMW-9	6/12/2020	17.71	6.80	10.91
MBCMW-9	7/29/2020	17.71	7.37	10.34
MBCMW-9	8/17/2020	17.71	7.60	10.11
MBCMW-9	9/23/2020	17.71	8.07	9.64
MBCMW-9	10/22/2020	17.71	8.33	9.38
MBCMW-9	11/16/2020	17.71	8.34	9.37
MBCMW-9	12/18/2020	17.71	8.40	9.31
MBCMW-10	1/23/2020	17.74	8.70	9.04
MBCMW-10	2/11/2020	17.74	8.30	9.44
MBCMW-10	3/2/2020	17.74	9.23	8.51
MBCMW-10	4/27/2020	17.74	9.20	8.54
MBCMW-10	5/28/2020	17.74	8.98	8.76
MBCMW-10	6/12/2020	17.74	9.42	8.32
MBCMW-10	7/29/2020	17.74	8.27	9.47
MBCMW-10	8/17/2020	17.74	9.87	7.87
MBCMW-10	9/23/2020	17.74	10.46	7.28
MBCMW-10	10/22/2020	17.74	9.23	8.51
MBCMW-10	11/16/2020	17.74	9.03	8.71
MBCMW-10	12/18/2020	17.74	8.43	9.31
MCWP-MW04S	1/23/2020	15.29	4.90	10.39
MCWP-MW04S	2/11/2020	15.29	5.46	9.83
MCWP-MW04S	3/2/2020	15.29	5.73	9.56
MCWP-MW04S	4/27/2020	15.29	4.30	10.99
MCWP-MW04S	5/28/2020	15.29	5.30	9.99
MCWP-MW04S	6/12/2020	15.29	5.85	9.44
MCWP-MW04S	7/29/2020	15.29	6.07	9.22
MCWP-MW04S	8/17/2020	15.29	6.20	9.09
MCWP-MW04S	9/23/2020	15.29	6.95	8.34
MCWP-MW04S	10/22/2020	15.29	7.12	8.17
MCWP-MW04S	11/16/2020	15.29	7.26	8.03
MCWP-MW04S	12/18/2020	15.29	7.44	7.85
MCWP-MW07S	1/23/2020	13.72	5.72	8.00
MCWP-MW07S	2/11/2020	13.72	5.68	8.04
MCWP-MW07S	3/2/2020	13.72	5.88	7.84
MCWP-MW07S	4/27/2020	13.72	5.03	8.69
MCWP-MW07S	5/28/2020	13.72	5.02	8.70
MCWP-MW07S	6/12/2020	13.72	5.05	8.67
MCWP-MW07S	7/29/2020	13.72	5.45	8.27
MCWP-MW07S	8/17/2020	13.72	5.70	8.02
MCWP-MW07S	9/23/2020	13.72	5.72	8.00
MCWP-MW07S	10/22/2020	13.72	5.81	7.91
MCWP-MW07S	11/16/2020	13.72	6.10	7.62
MCWP-MW07S	12/18/2020	13.72	5.99	7.73

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW08	1/23/2020	12.21	8.53	3.68
MCWP-MW08	2/11/2020	12.21	8.13	4.08
MCWP-MW08	3/2/2020	12.21	8.60	3.61
MCWP-MW08	4/27/2020	12.21	8.90	3.31
MCWP-MW08	5/28/2020	12.21	8.50	3.71
MCWP-MW08	6/12/2020	12.21	8.80	3.41
MCWP-MW08	7/29/2020	12.21	7.51	4.70
MCWP-MW08	8/17/2020	12.21	8.86	3.35
MCWP-MW08	9/23/2020	12.21	8.90	3.31
MCWP-MW08	10/22/2020	12.21	7.90	4.31
MCWP-MW08	11/16/2020	12.21	7.95	4.26
MCWP-MW08	12/18/2020	12.21	8.04	4.17
MCWP-MW10	1/23/2020	11.11	7.90	3.21
MCWP-MW10	2/11/2020	11.11	7.31	3.80
MCWP-MW10	3/2/2020	11.11	8.12	2.99
MCWP-MW10	4/27/2020	11.11	8.50	2.61
MCWP-MW10	5/28/2020	11.11	8.05	3.06
MCWP-MW10	6/12/2020	11.11	Parked Over	-
MCWP-MW10	7/29/2020	11.11	5.48	5.63
MCWP-MW10	8/17/2020	11.11	8.30	2.81
MCWP-MW10	9/23/2020	11.11	8.23	2.88
MCWP-MW10	10/22/2020	11.11	5.99	5.12
MCWP-MW10	11/16/2020	11.11	6.23	4.88
MCWP-MW10	12/18/2020	11.11	9.48	1.63
P-4	1/23/2020	12.16	7.20	4.96
P-4	2/11/2020	12.16	6.34	5.82
P-4	3/2/2020	12.16	7.40	4.76
P-4	4/27/2020	12.16	7.70	4.46
P-4	5/28/2020	12.16	7.30	4.86
P-4	6/12/2020	12.16	7.50	4.66
P-4	7/29/2020	12.16	4.36	7.80
P-4	8/17/2020	12.16	7.55	4.61
P-4	9/23/2020	12.16	7.14	5.02
P-4	10/22/2020	12.16	5.28	6.88
P-4	11/16/2020	12.16	5.51	6.65
P-4	12/18/2020	12.16	6.65	5.51
P-9	1/23/2020	12.17	7.40	4.77
P-9	2/11/2020	12.17	6.78	5.39
P-9	3/2/2020	12.17	7.70	4.47
P-9	4/27/2020	12.17	8.07	4.10
P-9	5/28/2020	12.17	7.83	4.34
P-9	6/12/2020	12.17	7.80	4.37
P-9	7/29/2020	12.17	4.80	7.37
P-9	8/17/2020	12.17	7.85	4.32
P-9	9/23/2020	12.17	9.65	2.52
P-9	10/22/2020	12.17	5.28	6.89
P-9	11/16/2020	12.17	5.23	6.94
P-9	12/18/2020	12.17	6.87	5.30

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-2	1/23/2020	13.13	8.47	4.66
SMBRP-2	2/11/2020	13.13	8.25	4.88
SMBRP-2	3/2/2020	13.13	8.75	4.38
SMBRP-2	4/27/2020	13.13	9.00	4.13
SMBRP-2	5/28/2020	13.13	8.68	4.45
SMBRP-2	6/12/2020	13.13	8.89	4.24
SMBRP-2	7/29/2020	13.13	5.73	7.40
SMBRP-2	8/17/2020	13.13	8.80	4.33
SMBRP-2	9/23/2020	13.13	8.68	4.45
SMBRP-2	10/22/2020	13.13	6.15	6.98
SMBRP-2	11/16/2020	13.13	6.61	6.52
SMBRP-2	12/18/2020	13.13	8.38	4.75
SMBRP-6	1/23/2020	26.88	14.70	12.18
SMBRP-6	2/11/2020	26.88	14.68	12.20
SMBRP-6	3/2/2020	26.88	14.73	12.15
SMBRP-6	4/27/2020	26.88	14.45	12.43
SMBRP-6	5/28/2020	26.88	14.80	12.08
SMBRP-6	6/12/2020	26.88	15.28	11.60
SMBRP-6	7/29/2020	26.88	15.86	11.02
SMBRP-6	8/17/2020	26.88	17.60	9.28
SMBRP-6	9/23/2020	26.88	19.02	7.86
SMBRP-6	10/22/2020	26.88	18.51	8.37
SMBRP-6	11/16/2020	26.88	18.03	8.85
SMBRP-6	12/18/2020	26.88	14.70	12.18
SMBRP-7B	1/23/2020	18.99	9.65	9.34
SMBRP-7B	2/11/2020	18.99	9.84	9.15
SMBRP-7B	3/2/2020	18.99	10.02	8.97
SMBRP-7B	4/27/2020	18.99	9.18	9.81
SMBRP-7B	5/28/2020	18.99	9.55	9.44
SMBRP-7B	6/12/2020	18.99	9.86	9.13
SMBRP-7B	7/29/2020	18.99	9.72	9.27
SMBRP-7B	8/17/2020	18.99	10.38	8.61
SMBRP-7B	9/23/2020	18.99	8.50	10.49
SMBRP-7B	10/22/2020	18.99	9.86	9.13
SMBRP-7B	11/16/2020	18.99	10.90	8.09
SMBRP-7B	12/18/2020	18.99	10.80	8.19
SMBRP-8 (EC1-RC-MW01)	1/23/2020	48.69	26.15	22.54
SMBRP-8 (EC1-RC-MW01)	2/11/2020	48.69	25.95	22.74
SMBRP-8 (EC1-RC-MW01)	3/2/2020	48.69	25.60	23.09
SMBRP-8 (EC1-RC-MW01)	4/29/2020	48.69	23.86	24.83
SMBRP-8 (EC1-RC-MW01)	5/28/2020	48.69	23.67	25.02
SMBRP-8 (EC1-RC-MW01)	6/12/2020	48.69	23.80	24.89
SMBRP-8 (EC1-RC-MW01)	7/29/2020	48.69	24.45	24.24
SMBRP-8 (EC1-RC-MW01)	8/17/2020	48.69	24.95	23.74
SMBRP-8 (EC1-RC-MW01)	9/23/2020	48.69	25.94	22.75
SMBRP-8 (EC1-RC-MW01)	10/22/2020	48.69	26.60	22.09
SMBRP-8 (EC1-RC-MW01)	11/16/2020	48.69	26.95	21.74
SMBRP-8 (EC1-RC-MW01)	12/18/2020	48.69	27.29	21.40

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-9	1/23/2020	50.32	36.64	13.68
SMBRP-9	2/11/2020	50.32	36.56	13.76
SMBRP-9	3/2/2020	50.32	36.42	13.90
SMBRP-9	4/27/2020	50.32	35.65	14.67
SMBRP-9	5/28/2020	50.32	35.15	15.17
SMBRP-9	6/12/2020	50.32	34.98	15.34
SMBRP-9	7/29/2020	50.32	34.85	15.47
SMBRP-9	8/17/2020	50.32	35.06	15.26
SMBRP-9	9/23/2020	50.32	35.59	14.73
SMBRP-9	10/22/2020	50.32	35.98	14.34
SMBRP-9	11/16/2020	50.32	36.27	14.05
SMBRP-9	12/18/2020	50.32	Parked Over	NM
SMBRP-10C	1/23/2020	16.25	2.28	13.97
SMBRP-10C	2/11/2020	16.25	3.57	12.68
SMBRP-10C	3/2/2020	16.25	4.39	11.86
SMBRP-10C	4/27/2020	16.25	1.48	14.77
SMBRP-10C	5/28/2020	16.25	3.90	12.35
SMBRP-10C	6/12/2020	16.25	4.79	11.46
SMBRP-10C	7/29/2020	16.25	5.51	10.74
SMBRP-10C	8/17/2020	16.25	5.82	10.43
SMBRP-10C	9/23/2020	16.25	6.35	9.90
SMBRP-10C	10/22/2020	16.25	6.51	9.74
SMBRP-10C	11/16/2020	16.25	6.55	9.70
SMBRP-10C	12/18/2020	16.25	6.87	9.38
SMBRP-12	1/23/2020	12.62	7.50	5.12
SMBRP-12	2/11/2020	12.62	7.56	5.06
SMBRP-12	3/2/2020	12.62	7.62	5.00
SMBRP-12	4/27/2020	12.62	7.69	4.93
SMBRP-12	5/28/2020	12.62	6.99	5.63
SMBRP-12	6/12/2020	12.62	7.08	5.54
SMBRP-12	7/29/2020	12.62	7.15	5.47
SMBRP-12	8/17/2020	12.62	6.94	5.68
SMBRP-12	9/23/2020	12.62	7.06	5.56
SMBRP-12	10/22/2020	12.62	6.90	5.72
SMBRP-12	11/16/2020	12.62	7.35	5.27
SMBRP-12	12/18/2020	12.62	7.35	5.27
SMBRP-13	1/23/2020	13.58	8.17	5.41
SMBRP-13	2/11/2020	13.58	7.47	6.11
SMBRP-13	3/2/2020	13.58	8.48	5.10
SMBRP-13	4/27/2020	13.58	9.19	4.39
SMBRP-13	5/28/2020	13.58	8.90	4.68
SMBRP-13	6/12/2020	13.58	9.12	4.46
SMBRP-13	7/29/2020	13.58	8.53	5.05
SMBRP-13	8/17/2020	13.58	8.55	5.03
SMBRP-13	9/23/2020	13.58	8.77	4.81
SMBRP-13	10/22/2020	13.58	8.17	5.41
SMBRP-13	11/16/2020	13.58	7.99	5.59
SMBRP-13	12/18/2020	13.58	8.01	5.57

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-15B	1/23/2020	16.77	dry	-
SMBRP-15B	2/11/2020	16.77	dry	-
SMBRP-15B	3/2/2020	16.77	dry	-
SMBRP-15B	4/27/2020	16.77	dry	-
SMBRP-15B	5/28/2020	16.77	dry	-
SMBRP-15B	6/12/2020	16.77	dry	-
SMBRP-15B	7/29/2020	16.77	dry	-
SMBRP-15B	8/17/2020	16.77	dry	-
SMBRP-15B	9/23/2020	16.77	dry	-
SMBRP-15B	10/22/2020	16.77	dry	-
SMBRP-15B	11/16/2020	16.77	dry	-
SMBRP-15B	12/18/2020	16.77	dry	-
SMBRP-16	1/23/2020	14.50	2.22	12.28
SMBRP-16	2/11/2020	14.50	3.03	11.47
SMBRP-16	3/2/2020	14.50	inaccessible	-
SMBRP-16	4/27/2020	14.50	2.02	12.48
SMBRP-16	5/28/2020	14.50	3.40	11.10
SMBRP-16	6/12/2020	14.50	3.90	10.60
SMBRP-16	7/29/2020	14.50	3.84	10.66
SMBRP-16	8/17/2020	14.50	3.95	10.55
SMBRP-16	9/23/2020	14.50	4.65	9.85
SMBRP-16	10/22/2020	14.50	4.73	9.77
SMBRP-16	11/16/2020	14.50	4.88	9.62
SMBRP-16	12/18/2020	14.50	5.10	9.40

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	1/23/2020	17.90	10.66	7.24
MCWP-MW01	2/11/2020	17.90	9.68	8.22
MCWP-MW01	3/2/2020	17.90	10.72	7.18
MCWP-MW01	4/27/2020	17.90	10.88	7.02
MCWP-MW01	5/28/2020	17.90	10.75	7.15
MCWP-MW01	6/12/2020	17.90	11.20	6.70
MCWP-MW01	7/29/2020	17.90	10.06	7.84
MCWP-MW01	8/17/2020	17.90	11.43	6.47
MCWP-MW01	9/23/2020	17.90	11.90	6.00
MCWP-MW01	10/22/2020	17.90	10.86	7.04
MCWP-MW01	11/16/2020	17.90	10.21	7.69
MCWP-MW01	12/18/2020	17.90	9.90	8.00
MCWP-MW02	1/23/2020	18.06	12.70	5.36
MCWP-MW02	2/11/2020	18.06	10.10	7.96
MCWP-MW02	3/2/2020	18.06	12.15	5.91
MCWP-MW02	4/27/2020	18.06	12.30	5.76
MCWP-MW02	5/28/2020	18.06	11.60	6.46
MCWP-MW02	6/12/2020	18.06	12.12	5.94
MCWP-MW02	7/29/2020	18.06	10.05	8.01
MCWP-MW02	8/17/2020	18.06	12.42	5.64
MCWP-MW02	9/23/2020	18.06	12.20	5.86
MCWP-MW02	10/22/2020	18.06	11.12	6.94
MCWP-MW02	11/16/2020	18.06	10.73	7.33
MCWP-MW02	12/18/2020	18.06	11.20	6.86
MCWP-MW03	1/23/2020	15.31	8.65	6.66
MCWP-MW03	2/11/2020	15.31	NM	-
MCWP-MW03	3/2/2020	15.31	8.76	6.55
MCWP-MW03	4/27/2020	15.31	8.42	6.89
MCWP-MW03	5/28/2020	15.31	8.75	6.56
MCWP-MW03	6/12/2020	15.31	9.10	6.21
MCWP-MW03	7/29/2020	15.31	7.83	7.48
MCWP-MW03	8/17/2020	15.31	8.70	6.61
MCWP-MW03	9/23/2020	15.31	9.16	6.15
MCWP-MW03	10/22/2020	15.31	8.28	7.03
MCWP-MW03	11/16/2020	15.31	7.30	8.01
MCWP-MW03	12/18/2020	15.31	7.20	8.11
MCWP-MW04D	1/23/2020	15.43	9.80	5.63
MCWP-MW04D	2/11/2020	15.43	8.83	6.60
MCWP-MW04D	3/2/2020	15.43	9.93	5.50
MCWP-MW04D	4/27/2020	15.43	10.07	5.36
MCWP-MW04D	5/28/2020	15.43	9.91	5.52
MCWP-MW04D	6/12/2020	15.43	10.40	5.03
MCWP-MW04D	7/29/2020	15.43	9.26	6.17
MCWP-MW04D	8/17/2020	15.43	10.53	4.90
MCWP-MW04D	9/23/2020	15.43	11.10	4.33
MCWP-MW04D	10/22/2020	15.43	10.00	5.43
MCWP-MW04D	11/16/2020	15.43	9.35	6.08
MCWP-MW04D	12/18/2020	15.43	9.08	6.35

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW05	1/23/2020	13.92	7.74	6.18
MCWP-MW05	2/11/2020	13.92	7.38	6.54
MCWP-MW05	3/2/2020	13.92	8.20	5.72
MCWP-MW05	4/27/2020	13.92	8.20	5.72
MCWP-MW05	5/28/2020	13.92	8.00	5.92
MCWP-MW05	6/12/2020	13.92	8.45	5.47
MCWP-MW05	7/29/2020	13.92	7.33	6.59
MCWP-MW05	8/17/2020	13.92	9.13	4.79
MCWP-MW05	9/23/2020	13.92	9.52	4.40
MCWP-MW05	10/22/2020	13.92	8.38	5.54
MCWP-MW05	11/16/2020	13.92	7.96	5.96
MCWP-MW05	12/18/2020	13.92	7.50	6.42
MCWP-MW06	1/23/2020	16.05	10.39	5.66
MCWP-MW06	2/11/2020	16.05	9.63	6.42
MCWP-MW06	3/2/2020	16.05	10.42	5.63
MCWP-MW06	4/27/2020	16.05	10.45	5.60
MCWP-MW06	5/28/2020	16.05	10.28	5.77
MCWP-MW06	6/12/2020	16.05	10.70	5.35
MCWP-MW06	7/29/2020	16.05	9.58	6.47
MCWP-MW06	8/17/2020	16.05	11.20	4.85
MCWP-MW06	9/23/2020	16.05	11.72	4.33
MCWP-MW06	10/22/2020	16.05	10.47	5.58
MCWP-MW06	11/16/2020	16.05	10.20	5.85
MCWP-MW06	12/18/2020	16.05	9.65	6.40
MCWP-MW07D	1/23/2020	13.21	8.54	4.67
MCWP-MW07D	2/11/2020	13.21	6.83	6.38
MCWP-MW07D	3/2/2020	13.21	8.25	4.96
MCWP-MW07D	4/27/2020	13.21	8.26	4.95
MCWP-MW07D	5/28/2020	13.21	8.62	4.59
MCWP-MW07D	6/12/2020	13.21	9.00	4.21
MCWP-MW07D	7/29/2020	13.21	7.71	5.50
MCWP-MW07D	8/17/2020	13.21	8.60	4.61
MCWP-MW07D	9/23/2020	13.21	9.05	4.16
MCWP-MW07D	10/22/2020	13.21	8.17	5.04
MCWP-MW07D	11/16/2020	13.21	7.07	6.14
MCWP-MW07D	12/18/2020	13.21	7.09	6.12
MCWP-MW09	1/23/2020	16.30	6.56	9.74
MCWP-MW09	2/11/2020	16.30	5.50	10.80
MCWP-MW09	3/2/2020	16.30	6.60	9.70
MCWP-MW09	4/27/2020	16.30	6.68	9.62
MCWP-MW09	5/28/2020	16.30	6.50	9.80
MCWP-MW09	6/12/2020	16.30	6.90	9.40
MCWP-MW09	7/29/2020	16.30	5.74	10.56
MCWP-MW09	8/17/2020	16.30	6.81	9.49
MCWP-MW09	9/23/2020	16.30	9.14	7.16
MCWP-MW09	10/22/2020	16.30	6.19	10.11
MCWP-MW09	11/16/2020	16.30	5.89	10.41
MCWP-MW09	12/18/2020	16.30	5.54	10.76

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	1/23/2020	104.55	53.08	51.47
LAMW-5S	2/11/2020	104.55	53.19	51.36
LAMW-5S	3/2/2020	104.55	53.40	51.15
LAMW-5S	4/27/2020	104.55	52.10	52.45
LAMW-5S	5/28/2020	104.55	52.38	52.17
LAMW-5S	6/12/2020	104.55	52.74	51.81
LAMW-5S	7/29/2020	104.55	53.51	51.04
LAMW-5S	8/17/2020	104.55	53.84	50.71
LAMW-5S	9/23/2020	104.55	53.25	51.30
LAMW-5S	10/22/2020	104.55	54.30	50.25
LAMW-5S	11/16/2020	104.55	55.10	49.45
LAMW-5S	12/18/2020	104.55	56.12	48.43
SMBRP-11	1/23/2020	18.35	NM	-
SMBRP-11	2/11/2020	18.35	8.39	9.96
SMBRP-11	3/2/2020	18.35	8.64	9.71
SMBRP-11	4/27/2020	18.35	7.79	10.56
SMBRP-11	5/28/2020	18.35	8.76	9.59
SMBRP-11	6/12/2020	18.35	Parked Over	-
SMBRP-11	7/29/2020	18.35	8.23	10.12
SMBRP-11	8/17/2020	18.35	8.50	9.85
SMBRP-11	9/23/2020	18.35	8.65	9.70
SMBRP-11	10/22/2020	18.35	8.42	9.93
SMBRP-11	11/16/2020	18.35	8.70	9.65
SMBRP-11	12/18/2020	18.35	8.58	9.77

Notes:

Elevations measured in feet above mean sea level

Two shallow wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

-: No data available

TOC: Top of well casing

ft bTOC: Feet below top of well casing

NM: Depth to water was not measured; groundwater monitoring well was not accessible

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis[1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11*[2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ (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, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis[1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11*[2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachloro-cyclopentadiene, 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, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis [1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11* [2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
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 (Task II)									
	Near Shore Ocean				Malibu Lagoon and Creek					
Laboratory Analysis (quarterly)	*N-001*	*N-002*	*N-003*	*N-004*	*L-001*	*L-002*	*L-003*	*L-004*	*L-005*	*L-006*
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:

Task II: Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area
Task III: Salt and Nutrient Management Plan (SNMP) Monitoring Program
Task IV: Memorandum of Understanding (MOU) Compliance Monitoring

[1]: Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of Long-Term Groundwater Monitoring samples collected for a given quarter may be reduced from nine (9) to seven (7) groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds, per page 12 and 13 of the Monitoring and Reporting Program (MRP) No. CI 10042

[2]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

✓: Laboratory analysis completed

- : Sampling & analysis not required

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100 mL)		Inorganic Analysis (mg/L)					
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	3/4/2020	> **2,400**	< 1.0	< 0.10	< 20	-	< 0.10	< 0.40	= **0.14**
Near Shore	Ankle Depth	N-001	4/28/2020	= **1,700**	= **6.3**	< 0.10	< 1.0	= **0.27**	< 0.10	= **0.27 J**	= **0.099**
Near Shore	Ankle Depth	N-001	8/18/2020	> **2,400**	= **3.0**	< 1.0	< 1.0	= **0.25**	< 0.10	= **0.25 J**	= **0.059**
Near Shore	Ankle Depth	N-001	11/18/2020	= **160**	< 1.0	< 0.10	< 5.0	= **0.082**	< 0.10	= **0.082 J**	= **1.0**
Near Shore	Ankle Depth	N-002	3/4/2020	= **170**	< 1.0	< 0.10	< 20	-	< 0.10	< 0.40	= **0.25**
Near Shore	Ankle Depth	N-002	4/28/2020	= **820**	= **7.5**	< 0.10	< 5.0	= **0.18**	< 0.10	= **0.18 J**	= **0.028**
Near Shore	Ankle Depth	N-002	8/18/2020	> **2,400**	= **12**	< 1.0	< 1.0	= **0.18**	< 0.10	= **0.18 J**	= **0.079**
Near Shore	Ankle Depth	N-002	11/18/2020	= **1,600**	< 1.0	< 0.10	< 5.0	-	< 0.10	< 0.40	= **0.91**
Near Shore	Ankle Depth	N-003	3/4/2020	= **260**	= **8.5**	< 0.10	< 20	= **0.16**	= **0.090 J**	= **0.48**	= **0.10**
Near Shore	Ankle Depth	N-003	4/28/2020	> **2,400**	= **34**	< 0.10	< 5.0	= **0.32**	< 0.10	= **0.32 J**	= **0.043**
Near Shore	Ankle Depth	N-003	8/18/2020	> **2,400**	= **29**	< 1.0	< 1.0	= **0.082**	< 0.10	= **0.082 J**	= **0.10**
Near Shore	Ankle Depth	N-003	11/18/2020	= **2,400**	< 1.0	< 0.10	< 5.0	= **0.15**	< 0.10	= **0.15 J**	= **0.35**
Near Shore	Ankle Depth	N-004	3/4/2020	= **150**	< 1.0	< 0.10	< 20	-	< 0.10	< 0.40	= **0.16**
Near Shore	Ankle Depth	N-004	4/28/2020	= **820**	= **1.0**	< 0.10	< 5.0	= **0.31**	< 0.10	= **0.31 J**	= **0.031**
Near Shore	Ankle Depth	N-004	8/18/2020	= **2,400**	< 1.0	< 1.0	< 1.0	= **-**	< 0.10	< 0.030	= **0.88**
Near Shore	Ankle Depth	N-004	11/18/2020	= **1,600**	< 1.0	< 0.10	< 5.0	= **0.078**	< 0.10	= **0.078 J**	= **0.077**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100 mL)		Inorganic Analysis (mg/L)					
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-001	3/4/2020	= **390**	< 1.0	= **0.38**	< 1.0	= **0.61**	< 0.10	= **0.61**	= **0.35**
Malibu Lagoon and Creek	1 foot BSW	L-001	4/28/2020	> **2,400**	= **34**	= **0.12**	< 0.10	= **0.34**	< 0.10	= **0.34 J**	= **0.24**
Malibu Lagoon and Creek	1 foot BSW	L-001	8/18/2020	> **2,400**	> **2,400**	< 1.0	< 1.0	= **0.83**	< 0.10	= **0.83**	= **0.33**
Malibu Lagoon and Creek	1 foot BSW	L-001	11/18/2020	> **2,400**	= **130**	< 0.10	< 5.0	= **0.52**	< 0.10	= **0.52**	= **0.13**
Malibu Lagoon and Creek	1 foot BSW	L-002	3/4/2020	= **1,400**	= **66**	= **1.3**	< 1.0	= **0.27**	< 0.10	= **0.27**	= **0.55**
Malibu Lagoon and Creek	1 foot BSW	L-002	4/28/2020	= **1,700**	= **12**	= **1.1**	< 0.10	= **0.29**	< 0.10	= **0.29 J**	= **0.19**
Malibu Lagoon and Creek	1 foot BSW	L-002	8/18/2020	> **2,400**	> **2,400**	< 1.0	< 1.0	= **0.18**	< 0.10	= **0.18**	= **0.096**
Malibu Lagoon and Creek	1 foot BSW	L-002	11/18/2020	> **2,400**	= **54**	< 0.10	< 5.0	= **0.68**	< 0.10	= **0.68**	= **0.12**
Malibu Lagoon and Creek	1 foot BSW	L-003	3/4/2020	> **2,400**	= **5.0**	= **0.75**	< 1.0	= **9.3**	= **0.14**	= **9.4**	= **0.41**
Malibu Lagoon and Creek	1 foot BSW	L-003	4/28/2020	> **2,400**	= **70**	= **0.090 J**	< 2.0	= **0.55**	< 0.10	= **0.55**	= **0.20**
Malibu Lagoon and Creek	1 foot BSW	L-003	8/18/2020	> **2,400**	> **2,400**	< 1.0	< 1.0	= **0.63**	< 0.10	= **0.63**	= **0.11**
Malibu Lagoon and Creek	1 foot BSW	L-003	11/18/2020	> **2,400**	= **36**	< 0.10	< 5.0	= **1.3**	< 0.10	= **1.3**	= **0.16**
Malibu Lagoon and Creek	1 foot BSW	L-004	3/4/2020	> **2,400**	= **190**	= **0.95**	< 1.0	= **0.46**	< 0.10	= **0.46**	= **0.52**
Malibu Lagoon and Creek	1 foot BSW	L-004	4/28/2020	> **2,400**	= **490**	= **0.15**	< 2.0	= **0.40**	< 0.10	= **0.40**	= **0.21**
Malibu Lagoon and Creek	1 foot BSW	L-004	8/18/2020	> **2,400**	= **870**	< 1.0	< 1.0	= **0.098**	< 0.10	= **0.098 J**	= **0.087**
Malibu Lagoon and Creek	1 foot BSW	L-004	11/18/2020	> **2,400**	= **80**	< 0.10	< 5.0	= **0.92**	< 0.10	= **0.92**	= **0.17**
Malibu Lagoon and Creek	1 foot BSW	L-005	3/4/2020	> **2,400**	= **200**	= **0.57**	< 2.5	= **0.20**	= **0.057**	= **0.26**	= **0.41**
Malibu Lagoon and Creek	1 foot BSW	L-005	4/28/2020	> **2,400**	> **2,400**	< 0.10	< 2.0	= **0.45**	< 0.10	= **0.45**	= **0.37**
Malibu Lagoon and Creek	1 foot BSW	L-005	8/18/2020	> **2,400**	= **1,400**	< 1.0	< 1.0	= **0.43**	= **0.20**	= **0.63**	= **0.46**
Malibu Lagoon and Creek	1 foot BSW	L-005	11/18/2020	> **2,400**	= **580**	< 0.10	< 5.0	= **0.75**	< 0.10	= **0.75**	= **0.095**
Malibu Lagoon and Creek	1 foot BSW	L-006	3/4/2020	> **2,400**	= **43**	< 0.10	< 1.0	= **0.98**	= **0.52**	= **1.5**	= **0.50**
Malibu Lagoon and Creek	1 foot BSW	L-006	4/28/2020	> **2,400**	> **2,400**	< 0.10	< 2.0	= **0.98**	= **0.020 J**	= **1.0**	= **0.35**
Malibu Lagoon and Creek	1 foot BSW	L-006	8/18/2020	> **2,400**	> **2,400**	< 1.0	< 1.0	= **0.12**	= **0.25**	= **0.37**	= **0.020**
Malibu Lagoon and Creek	1 foot BSW	L-006	11/18/2020	> **2,400**	= **91**	< 0.10	< 5.0	= **1.1**	< 0.10	= **1.1**	= **0.13**

Notes:

bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
BSW: Below surface of water
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters

Table 4
Groundwater Analytical Results

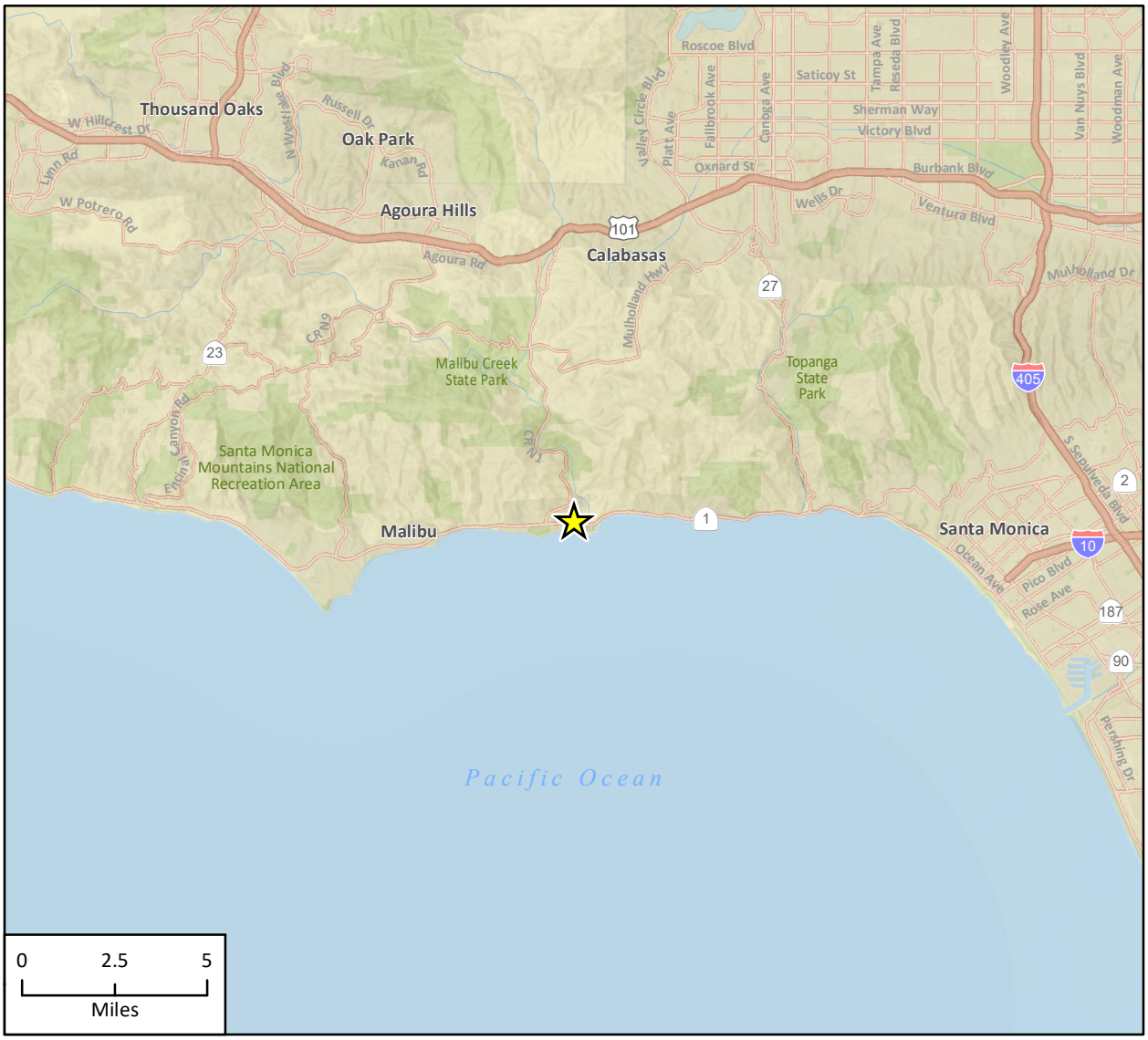
Well ID	Well Depth (feet bgs)	Sample Date	Coliform Bacteria (MPN/100 mL)		Inorganic Analyses (mg/L)										
			Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73	3/3/2020	= **820**	< 1.0	= **4.3**	< 0.10	= **0.38**	= **0.082**	= **0.46**	= **4.8**	= **1.1**	= **0.22**	= **69**	= **510**	= **110**
LAMW-5S	73	4/28/2020	> **2,400**	< 1.0	= **8.1**	< 0.10	= **0.32**	< 0.10	= **0.32**	= **8.4**	= **0.98**	= **0.18**	= **140**	= **560**	= **100**
LAMW-5S	73	8/18/2020	> **2,400**	< 1.0	= **8.8**	< 1.0	= **0.18**	< 0.10	= **0.18 J**	-	= **1.2**	-	-	= **630**	-
SMBRP-7B	25	3/3/2020	= **1,400**	= **360**	= **1.2**	< 0.10	= **0.31**	= **0.099**	= **0.41**	-	= **0.17**	-	-	= **990**	-
SMBRP-7B	25	8/21/2020	= **1.0**	= **1.0**	= **0.70**	< 0.10	= **0.070**	= **0.23**	= **0.30 J**	-	= **0.27**	-	-	= **2,700**	-
SMBRP-9	45	3/4/2020	< 1.0	< 1.0	= **0.89**	< 0.10	= **0.28**	= **0.072**	= **0.35**	= **1.2**	= **0.099**	= **0.48**	= **210**	= **1,200**	= **150**
SMBRP-9	45	4/29/2020	= **32**	< 1.0	= **3.1**	< 0.10	= **0.39**	< 0.10	= **0.39**	= **3.5**	= **0.055**	= **0.51**	= **260**	= **1,400**	= **170**
SMBRP-9	45	8/18/2020	= **280**	< 1.0	= **11**	< 1.0	-	< 0.10	= **0.50**	-	= **0.090**	= **0.57**	= **270**	= **1,500**	= **190**
SMBRP-9	45	11/18/2020	= **310**	< 1.0	= **9.6**	< 0.10	= **0.52**	= **0.022 J**	= **0.54**	= **10**	= **0.16**	= **0.58**	= **220**	= **1,300**	= **160**
SMBRP-11	20	3/3/2020	= **1,400**	< 1.0	= **3.5**	< 0.10	= **0.80**	= **1.3**	= **2.1**	= **5.6**	= **0.016**	= **0.63**	= **420**	= **1,500**	= **270**
SMBRP-11	20	4/28/2020	= **9.8**	< 1.0	= **2.4**	< 0.10	= **0.20**	= **2.3**	= **2.5**	= **4.9**	= **0.037**	= **0.53**	= **470**	= **950**	= **260**
SMBRP-11	20	8/18/2020	= **220**	< 1.0	= **2.2**	< 1.0	= **0.30**	= **1.0**	= **1.3**	**-**	< 0.020	**-**	-	= **1,600**	**-**
SMBRP-12	25	3/4/2020	= **23**	< 1.0	< 0.10	< 0.10	= **0.50**	= **5.7**	= **6.2**	= **6.2**	= **1.5**	= **0.54**	= **150**	= **1,100**	= **200**
SMBRP-12	25	4/28/2020	> **2,400**	= **440**	= **0.060 J**	< 0.10	= **1.4**	= **7.7**	= **9.1**	= **9.2**	= **0.71**	= **0.33**	= **90**	= **1,400**	= **120**
SMBRP-12	25	8/19/2020	= **9.6**	< 1.0	< 1.0	< 1.0	-	= **5.3**	= **6.6**	-	= **1.5**	= **0.85**	= **380**	= **1,800**	= **490**
SMBRP-12	25	11/17/2020	= **150**	= **13**	< 0.10	< 1.0	= **0.60**	= **6.8**	= **7.4**	= **7.4**	= **1.3**	= **0.86**	= **460**	= **1,700**	= **1,000**
SMBRP-13	19	3/4/2020	< 1.0	< 1.0	< 0.10	< 0.10	= **0.31**	= **0.32**	= **0.63**	-	= **0.19**	-	-	= **3,700**	-
SMBRP-13	19	8/19/2020	> **2,400**	= **31**	< 1.0	< 1.0	= **0.18**	< 0.10	= **0.18 J**	-	= **0.48**	-	-	= **1,900**	-
MBCMW-9	9.0	3/3/2020	= **290**	= **2.0**	< 0.10	< 0.10	= **1.4**	= **0.14**	= **0.99**	-	= **0.20**	-	-	= **4,700**	-
MBCMW-9	9.0	8/18/2020	= **140**	= **140**	< 1.0	< 1.0	= **1.4**	< 0.10	= **1.4**	-	= **0.059**	-	-	= **5,900**	-
MCWP-MW04S	20	3/3/2020	= **48**	< 1.0	< 2.0	< 2.0	= **0.71**	= **0.11**	= **0.82**	= **0.82**	= **0.34**	= **1.7**	= **2,800**	= **5,300**	= **700**
MCWP-MW04S	20	4/28/2020	= **870**	< 1.0	= **2.7**	< 0.10	= **0.82**	< 0.10	= **0.82**	= **3.5**	= **0.34**	= **1.4**	= **2,500**	= **5,300**	= **630**
MCWP-MW04S	20	8/18/2020	= **42**	< 1.0	= **1.0**	< 1.0	**-**	< 0.10	= **1.3**	**-**	= **0.27**	= **1.8**	= **3,300**	= **5,200**	= **640**
MCWP-MW04S	20	11/17/2020	> **2,400**	< 1.0	= **1.2**	< 1.0	= **1.3**	< 0.10	= **1.3**	= **2.5**	= **0.41**	= **1.8**	= **2,600**	= **240**	= **540**
MCWP-MW04D	148	3/3/2020	< 1.0	< 1.0	= **1.4**	< 0.10	-	< 0.10	< 0.40	= **1.4**	= **0.074**	= **0.83**	= **510**	= **1,500**	= **250**
MCWP-MW04D	145	4/29/2020	< 1.0	< 1.0	= **1.5**	< 0.10	= **0.28**	< 0.10	= **0.28**	= **1.8**	= **0.066**	= **0.75**	= **540**	= **1,400**	= **240**
MCWP-MW04D	145	8/20/2020	= **1.0**	< 1.0	= **1.4**	< 0.10	-	< 0.10	= **0.28 J**	-	= **0.076**	= **0.87**	= **550**	= **1,400**	= **260**
MCWP-MW04D	145	11/18/2020	< 1.0	< 1.0	= **1.4**	< 0.10	= **0.14**	< 0.10	= **0.14 J**	= **1.5**	= **0.088**	= **0.79**	= **530**	= **1,500**	= **220**
MCWP-MW05	154	3/5/2020	-	-	= **2.2**	-	-	-	-	-	-	-	-	= **730**	-
MCWP-MW05	154	8/21/2020	-	-	= **2.0**	-	-	-	-	-	-	-	-	= **1,300**	-
MCWP-MW06	138	3/4/2020	-	-	= **3.0**	-	-	-	-	-	-	-	-	= **890**	-
MCWP-MW06	138	8/19/2020	-	-	= **1.1**	-	-	-	-	-	-	-	-	= **1,000**	-

Table 4
Groundwater Analytical Results

Well ID	Well Depth (feet bgs)	Sample Date	Coliform Bacteria (MPN/100 mL)		Inorganic Analyses (mg/L)										
			Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous	Boron	Sulfate	Total Dissolved Solids	Chloride
MCWP-MW07S	20	3/4/2020	> **2,400**	= **38**	= **4.1**	< 0.10	= **0.16**	= **0.24**	= **0.40**	= **4.5**	= **0.10**	= **0.29**	= **240**	= **1,100**	= **200**
MCWP-MW07S	20	4/28/2020	> **2,400**	= **15**	= **3.4**	< 0.10	= **0.55**	= **0.031 J**	= **0.58**	= **4.0**	= **0.070**	= **0.30**	= **240**	= **1,100**	= **210**
MCWP-MW07S	20	8/18/2020	= **2,400**	= **5.2**	= **3.3**	< 1.0	-	< 0.10	= **0.29 J**	-	< 0.020	= **0.35**	= **220**	= **1,200**	= **200**
MCWP-MW07S	20	11/17/2020	= **18**	= **4.1**	= **3.6**	< 0.10	= **0.24**	= **0.17**	= **0.41**	= **4.0**	= **0.24**	= **0.37**	= **240**	= **1,200**	= **200**
MCWP-MW07D	130	3/5/2020	= **75**	= **44**	< 0.10	= **0.35**	= **0.48**	= **0.15**	= **0.63**	= **0.98**	= **0.14**	= **0.57**	= **470**	= **1,600**	= **360**
MCWP-MW07D	134	4/28/2020	> **2,400**	= **870**	= **0.040 J**	< 0.10	= **0.10**	= **1.7**	= **1.8**	= **1.8**	= **0.096**	< 0.050	= **11**	= **92**	= **20**
MCWP-MW07D	134	8/18/2020	= **1,000**	= **1.0**	< 1.0	< 1.0	-	= **10**	= **13**	-	= **0.64**	= **0.17**	= **240**	= **470**	= **300**
MCWP-MW07D	134	11/17/2020	= **37**	= **1.0**	< 0.10	< 0.10	= **0.28**	= **0.32**	= **0.60**	= **0.60**	= **0.11**	= **0.49**	= **250**	= **1,200**	= **290**
MCWP-MW09	95	3/4/2020	> **2,400**	= **1.0**	= **1.5**	= **0.10**	= **0.36**	= **0.073**	= **0.43**	= **1.9**	= **0.31**	= **0.64**	= **460**	= **1,700**	= **440**
MCWP-MW09	89	4/28/2020	= **1,100**	= **210**	= **0.080 J**	< 0.10	= **1.8**	= **1.4**	= **3.2**	= **3.3**	= **0.22**	= **0.66**	= **500**	= **1,500**	= **430**
MCWP-MW09	89	8/19/2020	= **5.2**	< 1.0	< 1.0	< 1.0	-	= **2.0**	= **2.2**	-	= **0.21**	= **0.81**	= **550**	= **2,000**	= **620**
MCWP-MW09	89	11/17/2020	< 1.0	< 1.0	< 0.10	< 1.0	= **0.30**	= **2.5**	= **2.8**	= **2.8**	= **0.12**	= **0.83**	= **600**	= **2,000**	= **790**
MCWP-MW10	22	3/4/2020	= **460**	< 1.0	= **0.86**	< 0.10	= **0.71**	= **0.025**	= **0.73**	-	= **0.087**	-	-	= **1,800**	-
MCWP-MW10	22	8/20/2020	= **57**	< 1.0	= **0.65**	< 0.10	= **0.22**	< 0.10	= **0.22 J**	-	= **0.057**	-	-	= **1,900**	-
CCPE	53	3/5/2020	> **2,400**	= **1.0**	= **1.0**	< 0.10	= **0.27**	< 0.10	= **0.27**	-	= **0.10**	-	-	= **1,400**	-
CCPE	53	8/19/2020	= **1,600**	= **1.0**	= **1.3**	< 1.0	= **0.23**	= **0.051 J**	= **0.28 J**	-	= **0.13**	-	-	= **3,800**	-

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL

Figures



Project Location

N



Vicinity Map

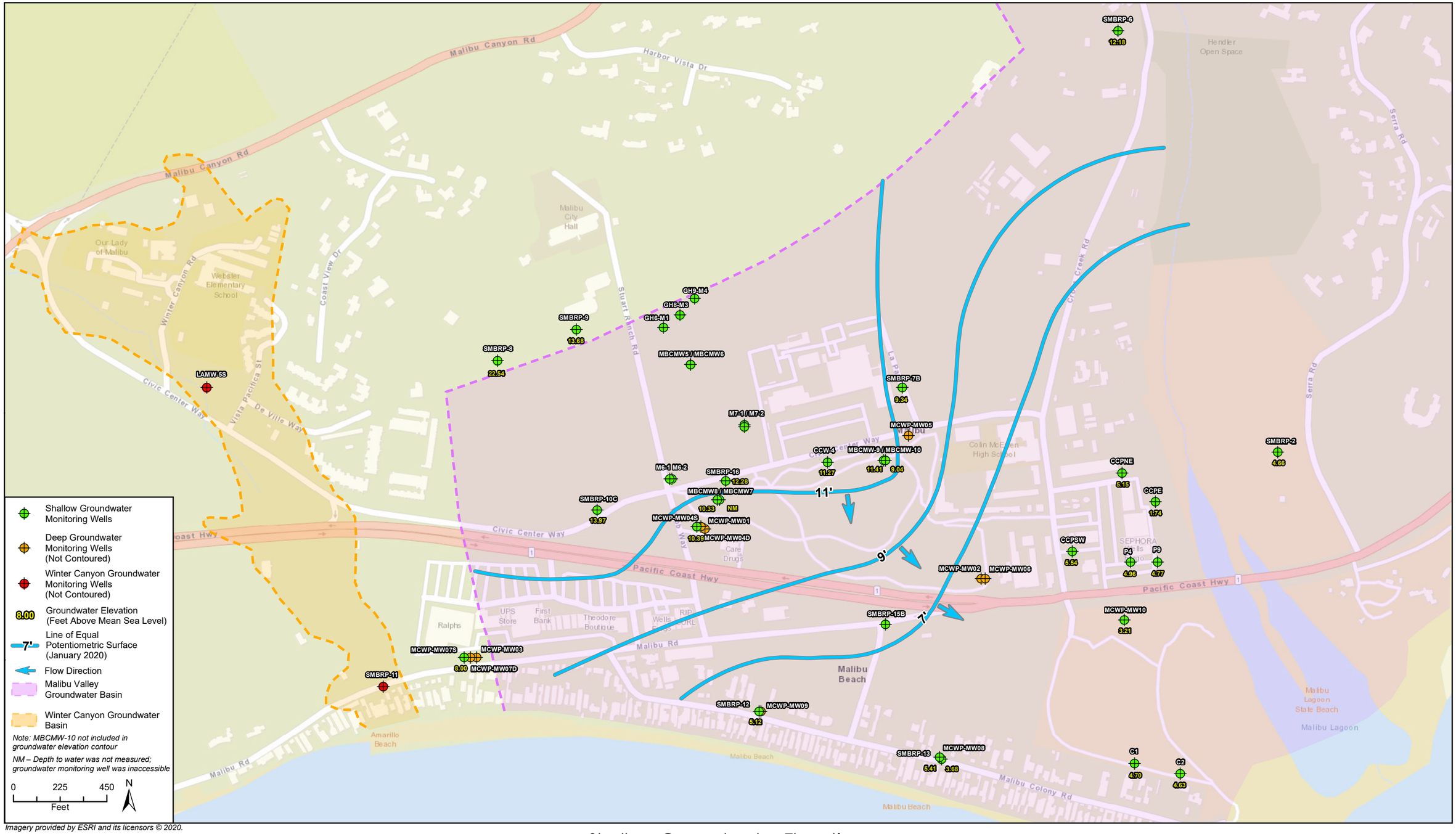
Figure 1



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Site Map - Monitoring Network

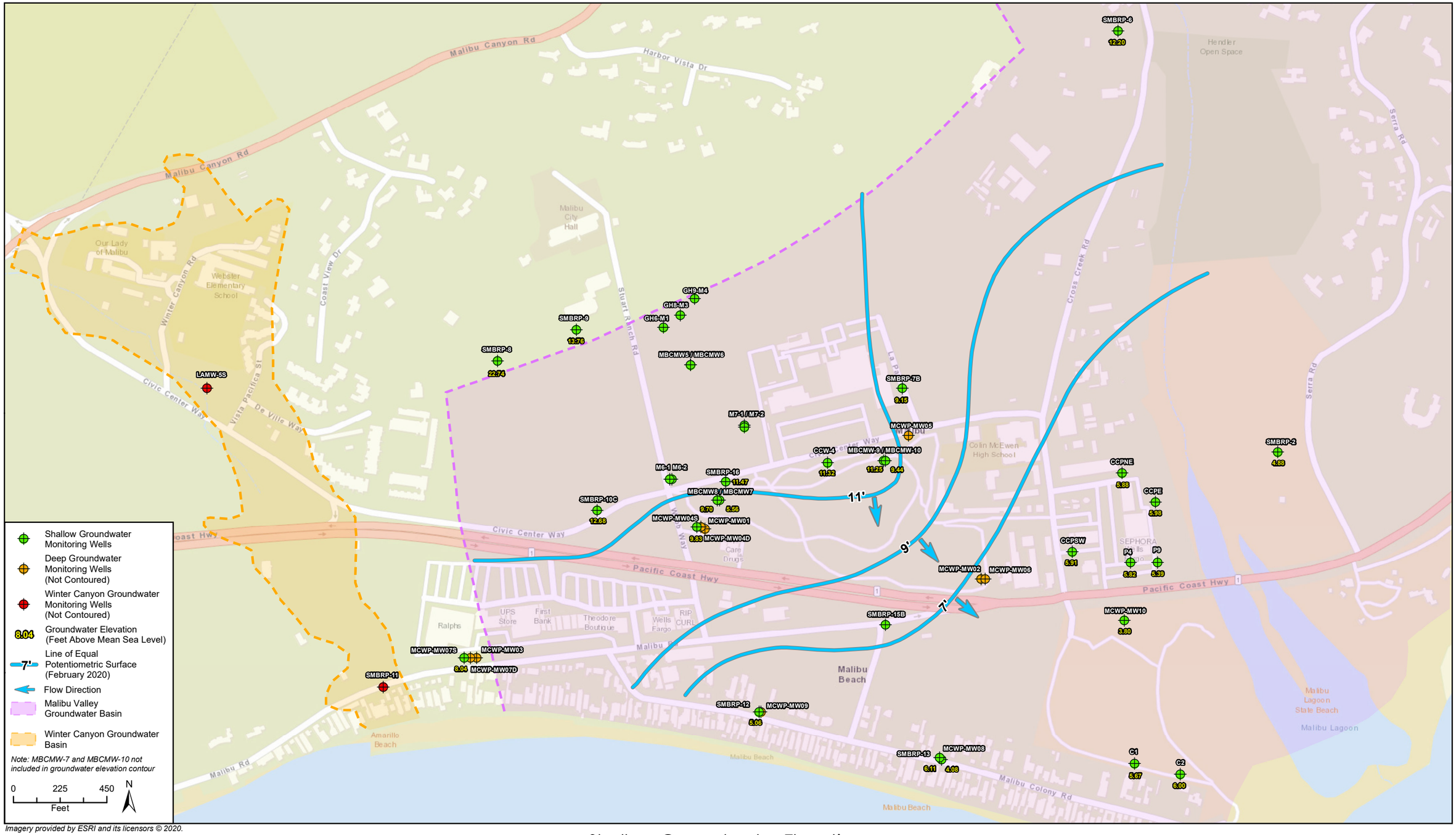
Figure 2



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Shallow Groundwater Elevation
January 2020

Figure 3

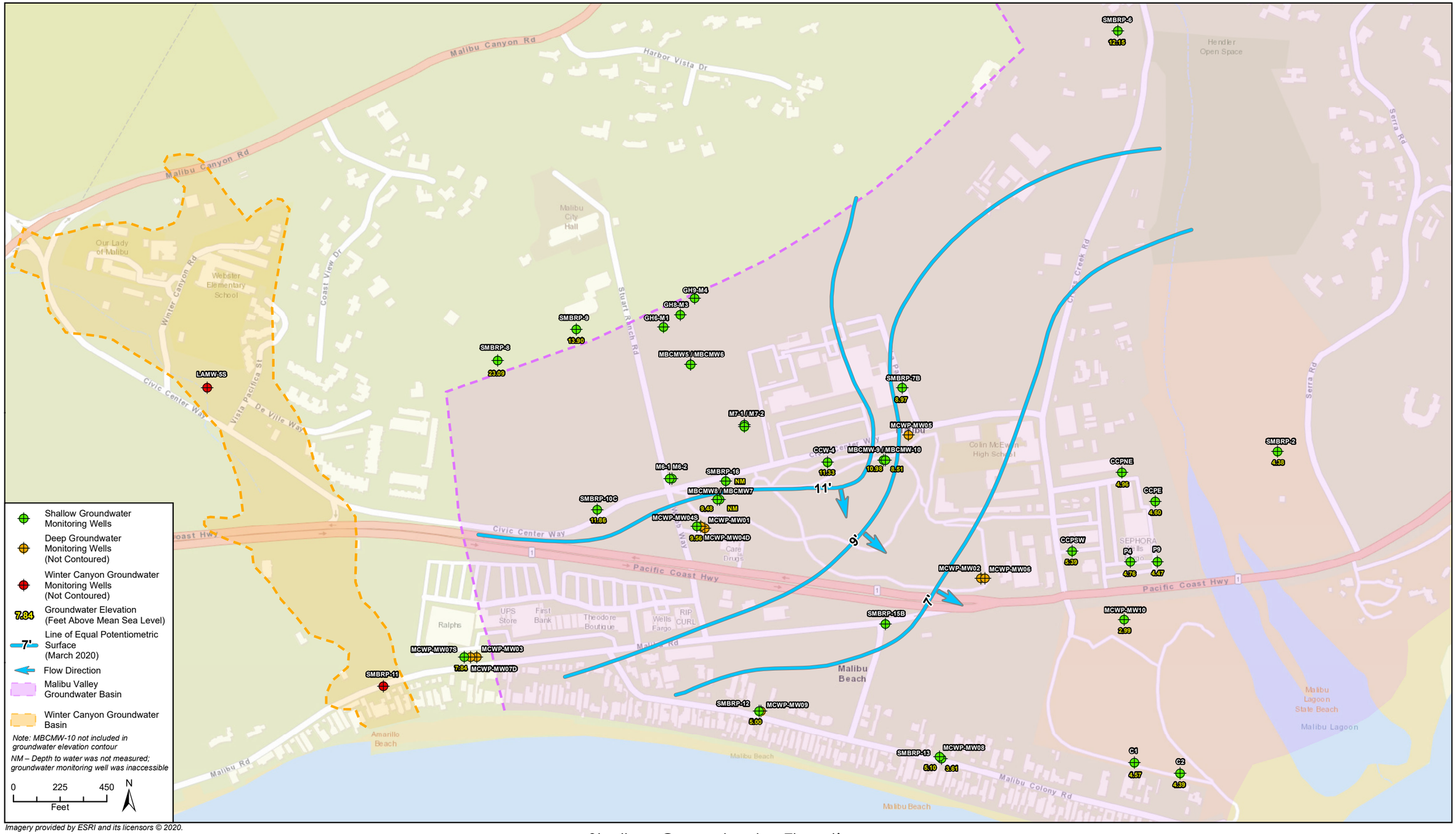


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Shallow Groundwater Elevation
February 2020

Figure 4

Rincon Consultants Inc.

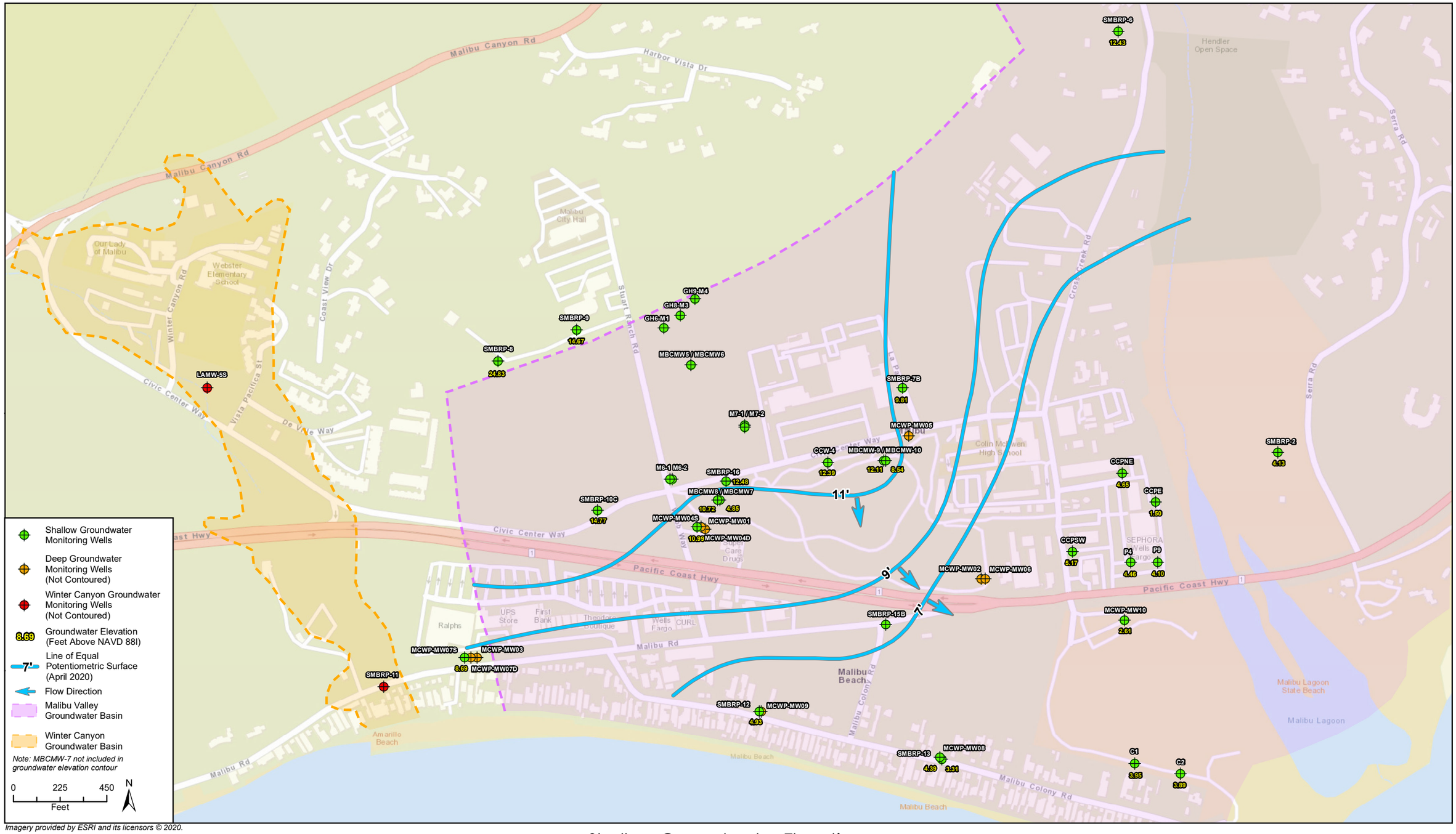


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Shallow Groundwater Elevation
March 2020

Figure 5

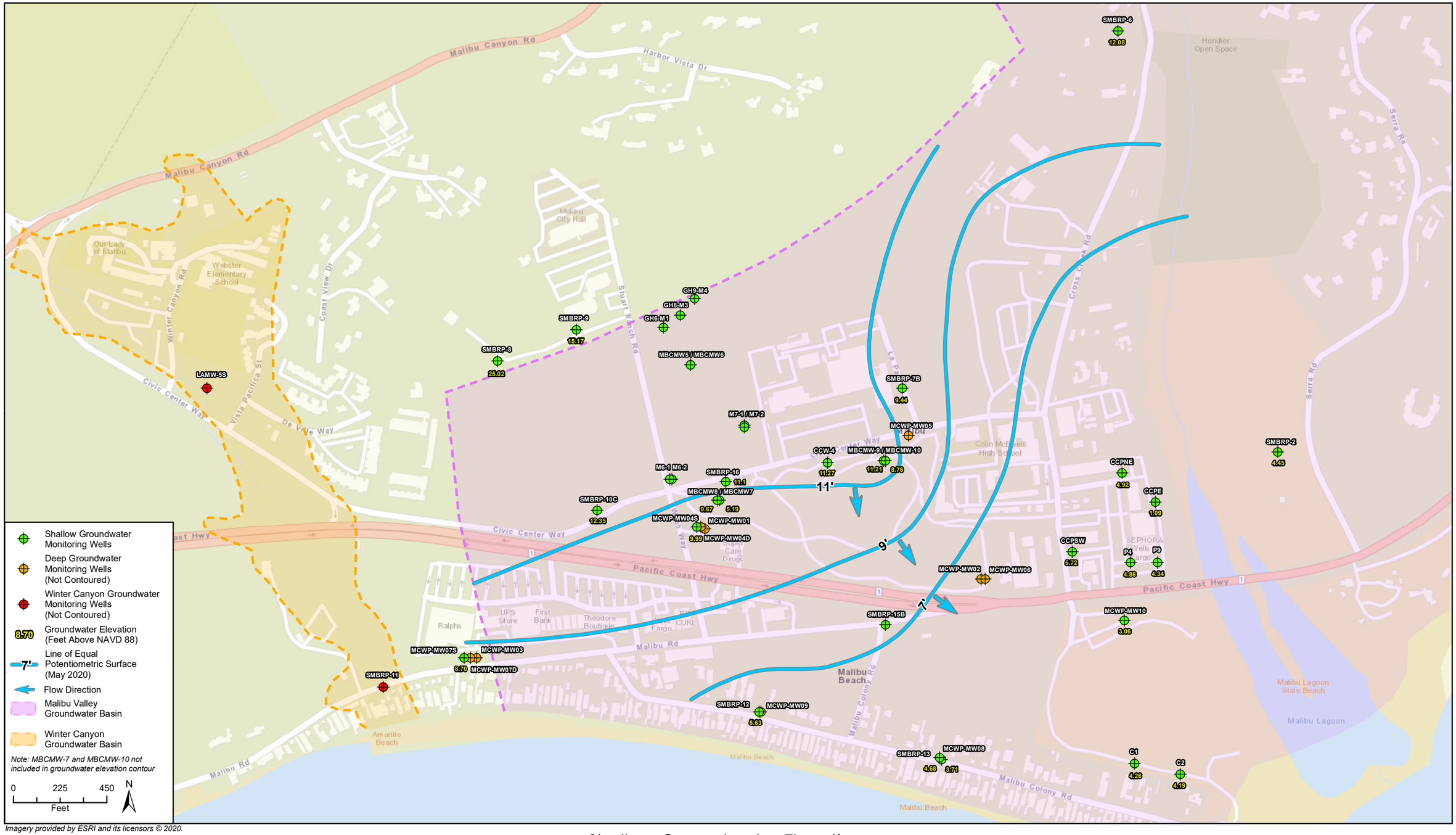
Rincon Consultants Inc.



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Shallow Groundwater Elevation
April 2020

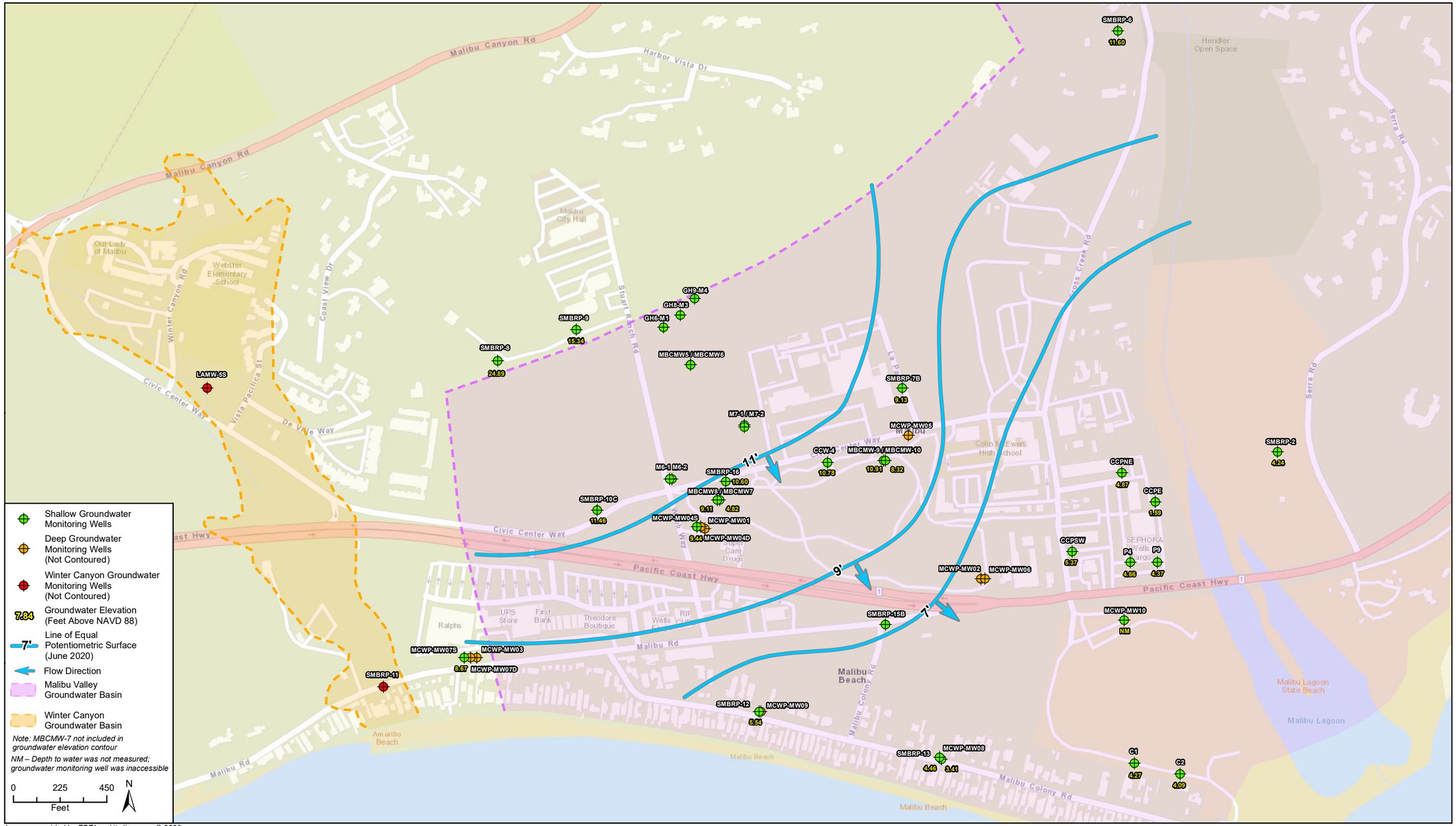
Figure 6



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Shallow Groundwater Elevation
May 2020

Figure 7

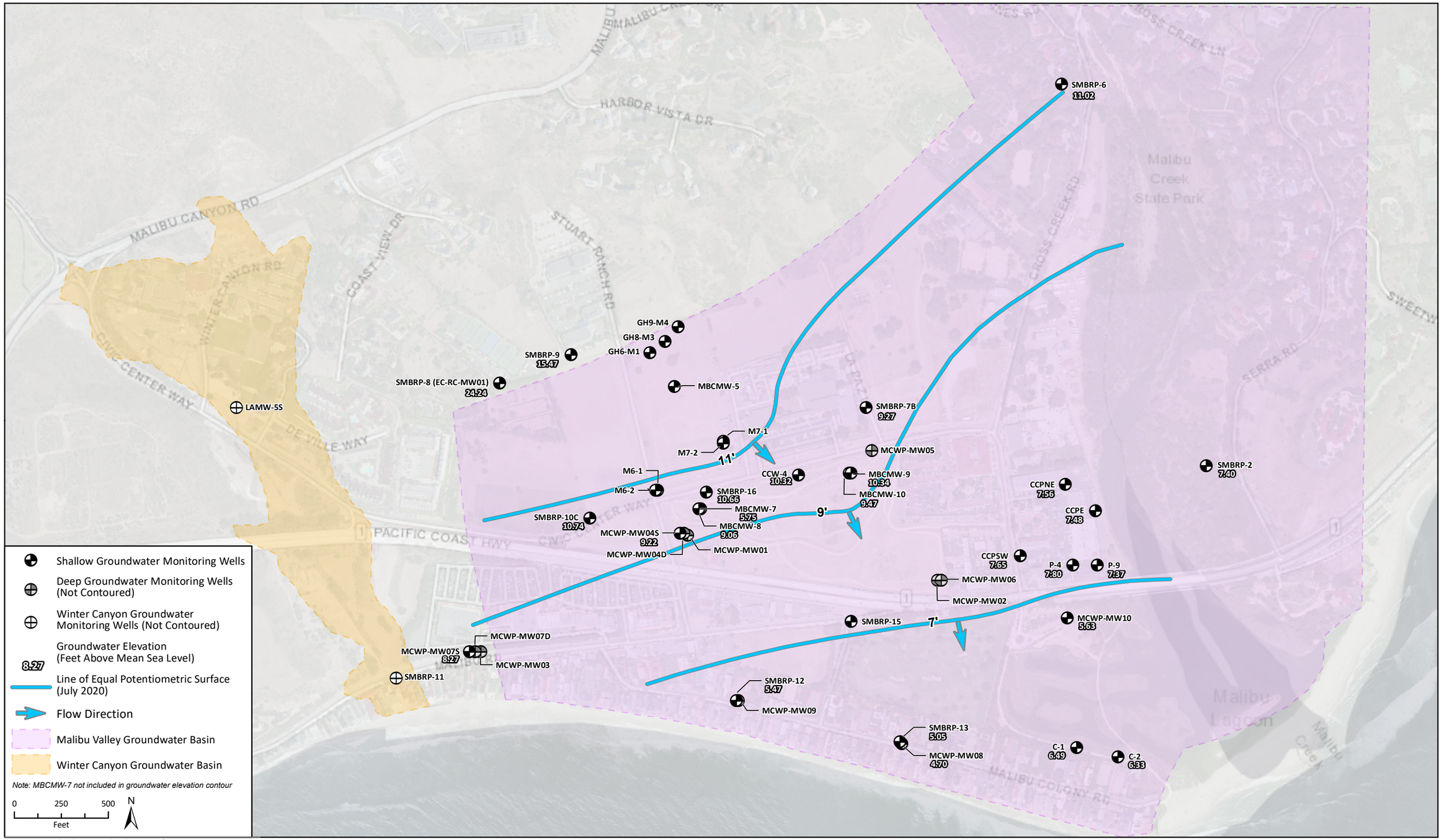


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Shallow Groundwater Elevation
June 2020

Figure 8

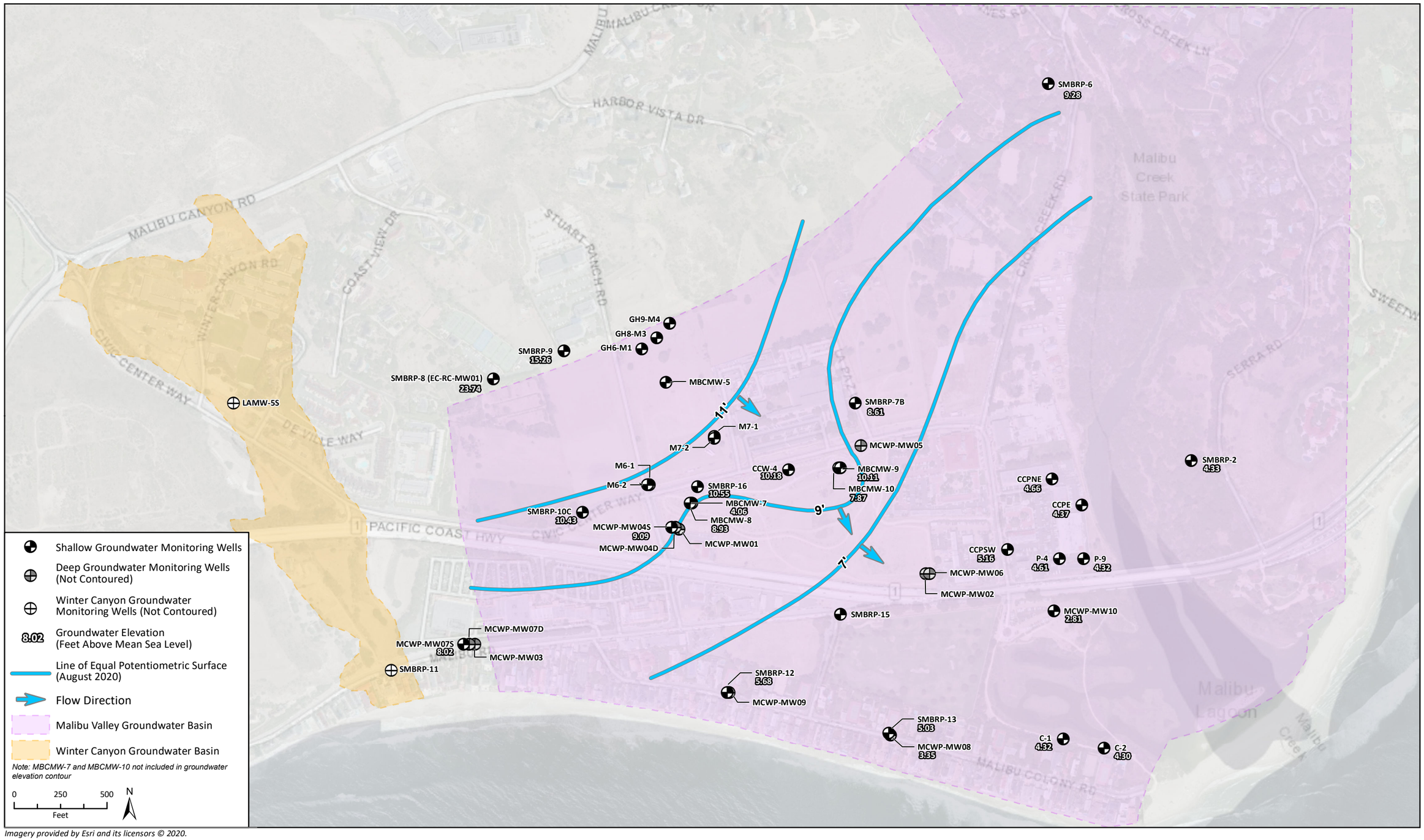
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Shallow Groundwater Elevation - July 2020

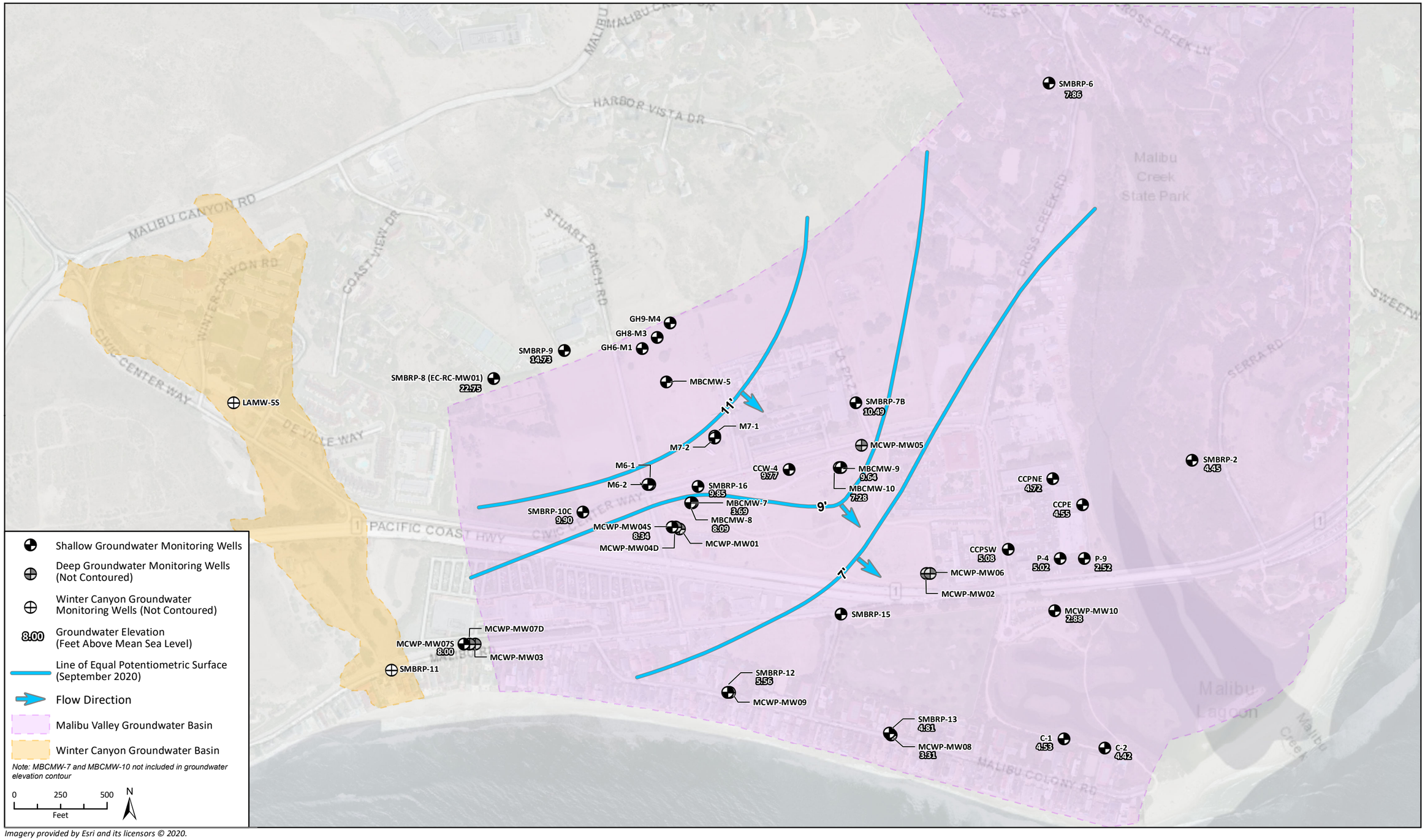
Figure 9



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Shallow Groundwater Elevation - August 2020

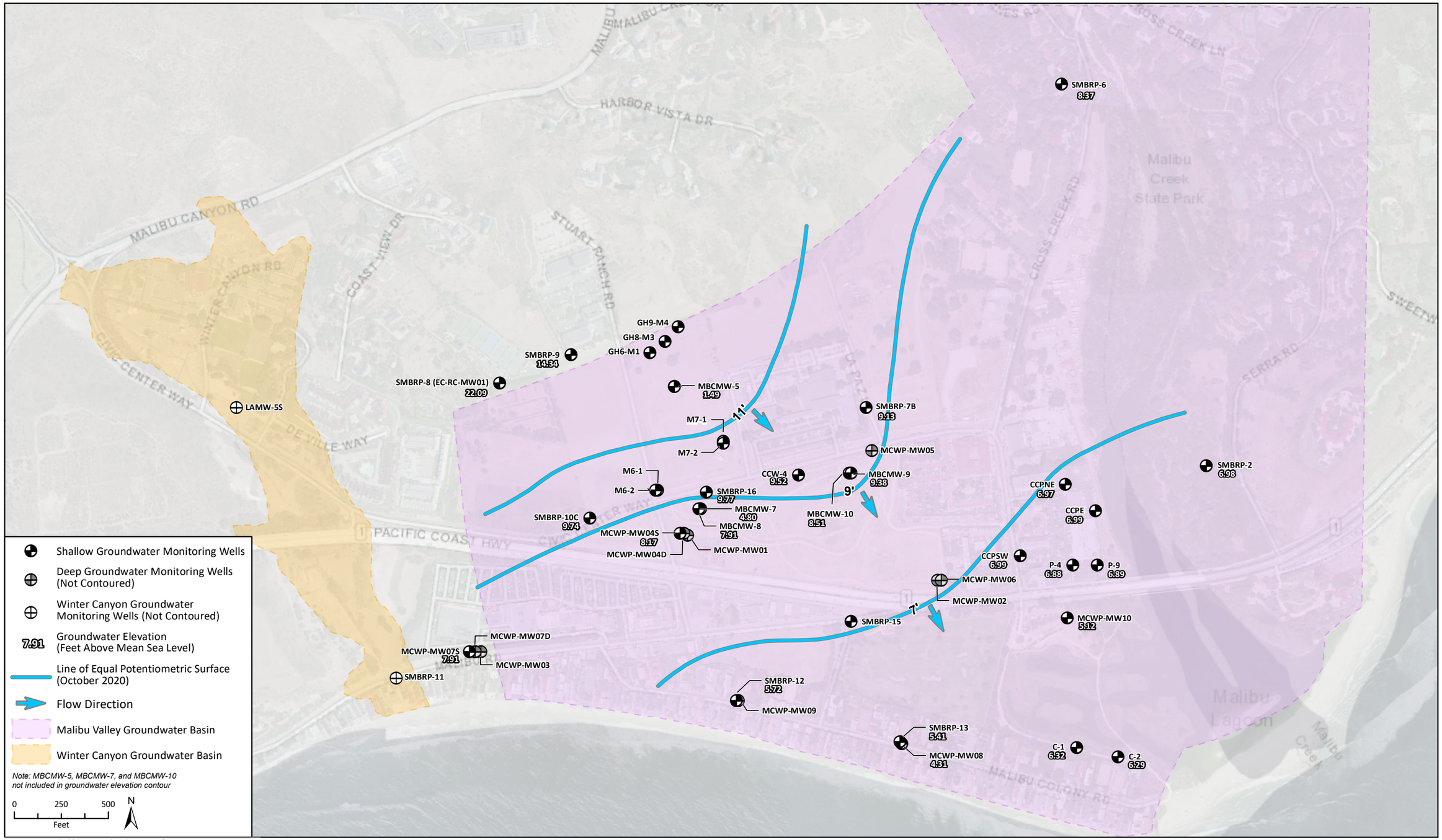
Figure 10



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Shallow Groundwater Elevation - September 2020

Figure 11

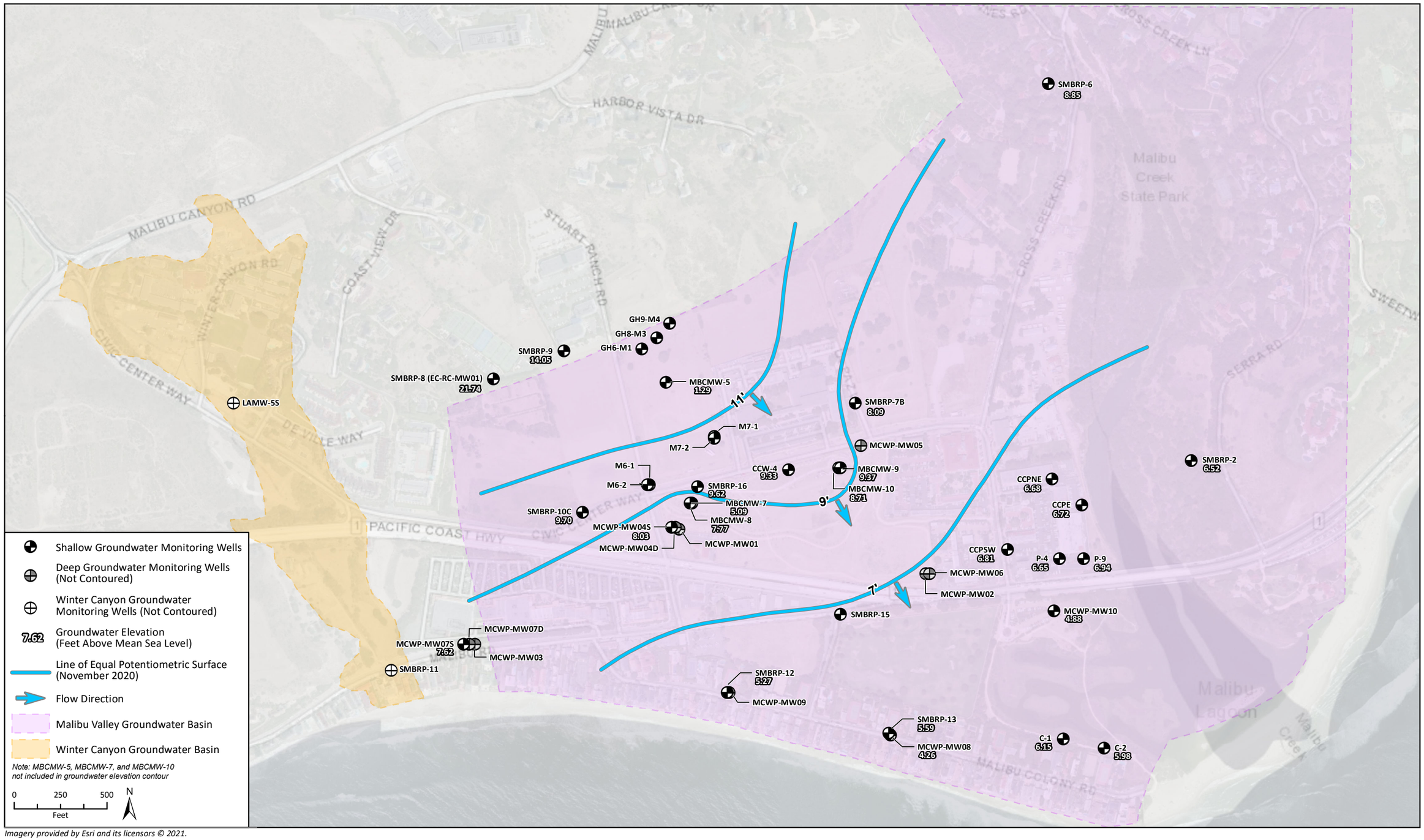


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Shallow Groundwater Elevation - October 2020

Figure 12

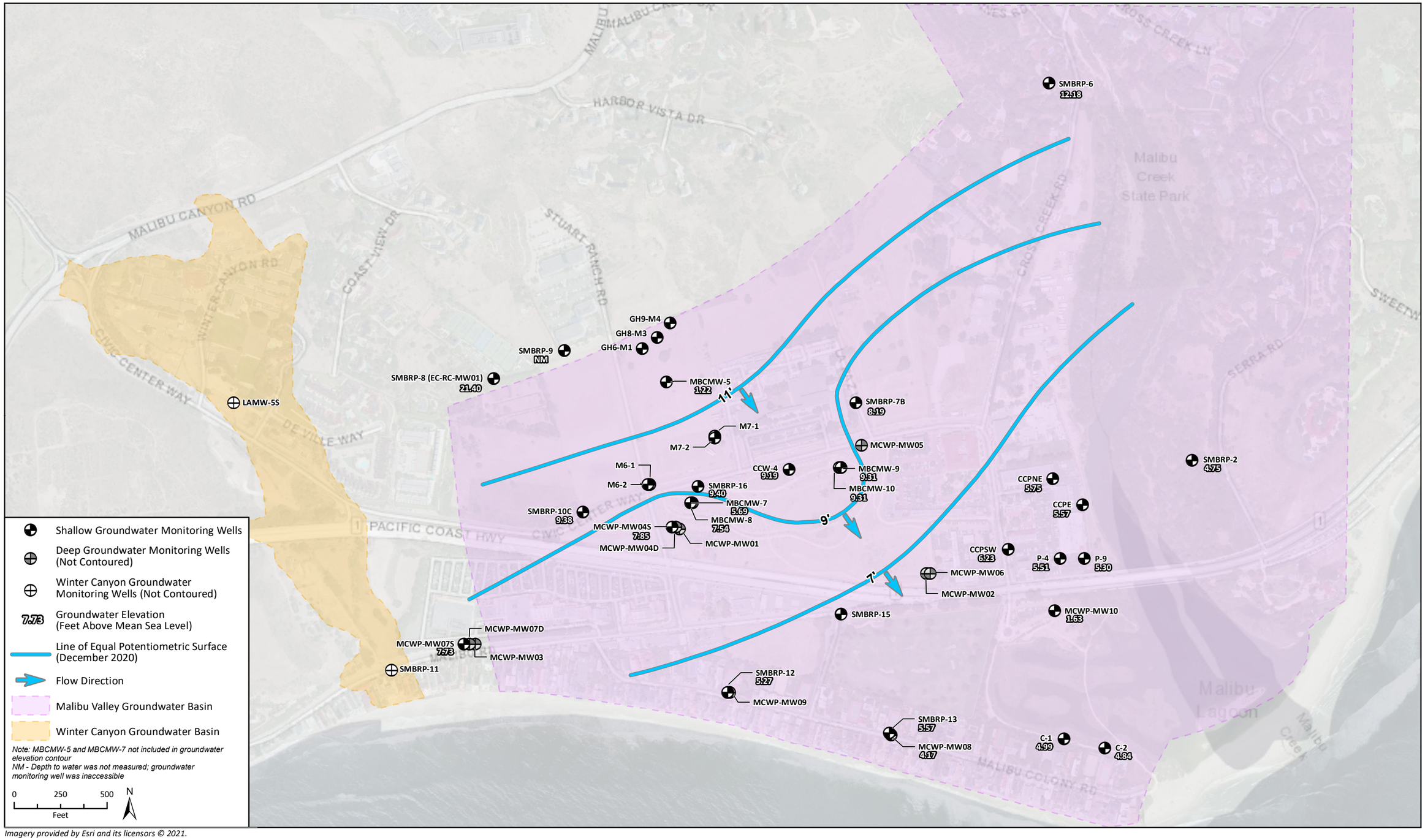
Rincon Consultants Inc.



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Shallow Groundwater Elevation - November 2020

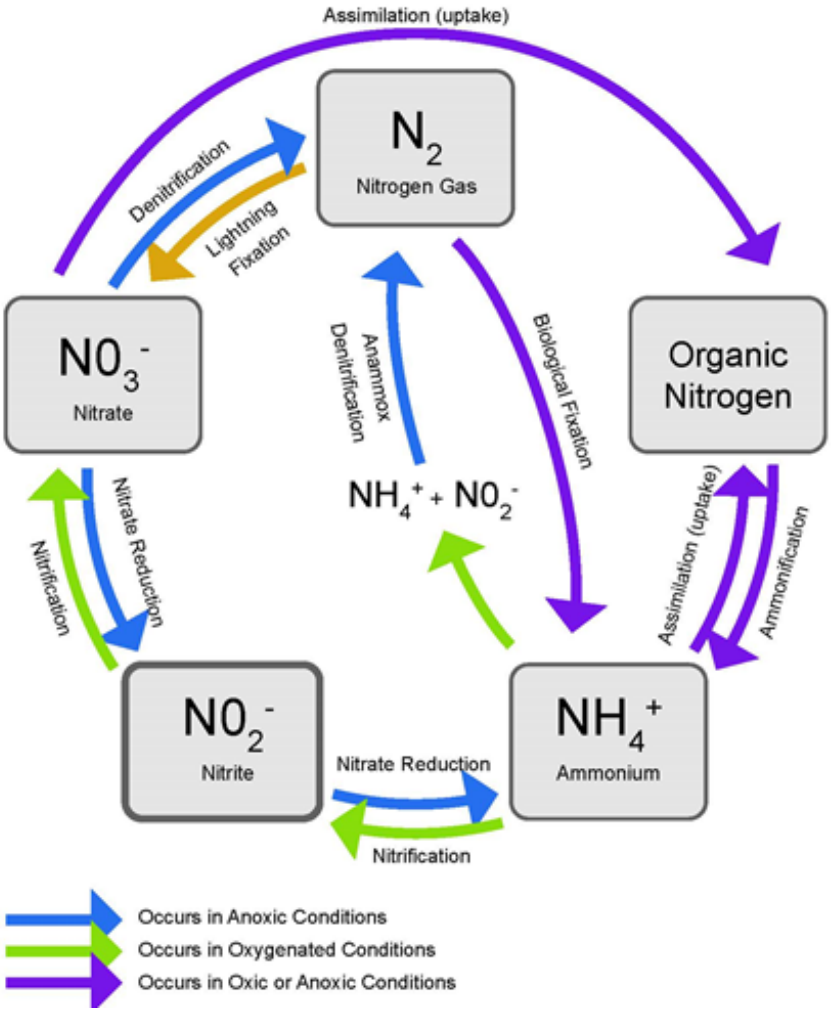
Figure 13



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Shallow Groundwater Elevation - December 2020

Figure 14



The Nitrogen Cycle Figure 15

Appendix A

Groundwater and Surface Water Field Sheets

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 1/23/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1335	6.77	
C-2	14.5	2	1342	6.56	
CCPE	52	2	1419	11.20	
CCPNE		2	1415	8.53	MISSING BOLTS
CCPSW		2	1430	8.13	
CCW-4		1	1135	4.5	MISSING BOLTS
GH6-M1	35	2	1200	27.48	MISSING BOLTS
GH8-M3	40	2	1207	26.7	MISSING BOLTS
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	INACCESSABLE
LAMW-5S	74	4	1113	53.08	MISSING BOLT
M6-1	45	2	1221	24.6	
M6-2	20	2	1220	5.78	
M7-1	40	2	1151	6.76	
M7-2	25	2	1152	5.67	
MBCMW-5	19.4	n/a	1159	17.23	MAY HAVE INSTALLED NEW WELL (ONLY 1)
MBCMW-6	64.26	n/a	"	"	CONFIRM W/ CITY.
MBCMW-7	52.5	2	—	—	INACCESSABLE
MBCMW-8	10	2	1242	6.2	MISSING BOLTS
MBCMW-9	9	2	1123	6.3	MISSING BOLTS
MBCMW-10	53	2	1124	8.7	"
MCWP-MW01	148	6	1236	10.66	
MCWP-MW02	145	6	1437	12.7	MISSING BOLTS
MCWP-MW03	134	6	1255	8.65	MISSING BOLTS
MCWP-MW04D	145	4	1231	9.8	
MCWP-MW04S	20	4	1230	4.9	MISSING BOLTS
MCWP-MW05	150	4	1129	7.74	
MCWP-MW06	137	2	1435	10.39	MISSING BOLT
MCWP-MW07D	134	2	1256	8.54	MISSING BOLTS
MCWP-MW07S	20	2	1257	5.72	MISSING BOLT
MCWP-MW08	77	2	1316	8.53	
MCWP-MW09	89	2	1311	6.56	MISSING BOLT
MCWP-MW10	22	2	1328	7.9	
P-4	12.5	4	1426	7.2	
P-9	14.3	4	1425	7.4	
SMBRP-2	25	2	1358	8.47	
SMBRP-6	25	2	1409	14.7	
SMBRP-7b	25	2	1141	9.65	
SMBRP-8 (EG-RC MW01)	60	4	1057	26.15	
SMBRP-9	45	2	1050	36.64	
SMBRP-10C	25	2	1106	2.28	
SMBRP-11	20	2	—	—	INACCESSABLE - CAR PARKED OVER
SMBRP-12	25	2	1309	7.5	
SMBRP-13	20	2	1319	8.17	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1247	2.22	MISSING BOLTS

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time / / 2/11/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1233	5.90	
C-2	14.5	2	1230	5.19	
CCPE	52	2	1047	6.96	
CCPNE		2	1052	7.80	
CCPSW		2	1056	7.76	
CCW-4		1	1005	4.45	
GH6-M1	35	2	0920	27.35	
GH8-M3	40	2	0924	26.54	
GH9-M4	45	2			N/A
Lagoon	n/a	n/a			N/A
LAMW-5S	74	4	0950	53.19	
M6-1	45	2	0932	6.22	
M6-2	20	2	0930	4.59	
M7-1	40	2	0935	7.18	
M7-2	25	2	0934	6.95	
MBCMW-5	19.4	~~n/a~~ 2	0927	17.35	
MBCMW-6	64.26	n/a			N/A
MBCMW-7	52.5	2	957	11.05	
MBCMW-8	10	2	955	6.93	
MBCMW-9	9	2	1011	6.46	
MBCMW-10	53	2	1012	8.30	
MCWP-MW01	148	6	1119	9.66	
MCWP-MW02	145	6	1104	10.10	
MCWP-MW03	134	6			WELL PACKED OVER
MCWP-MW04D	145	4	1115	9.93	
MCWP-MW04S	20	4	1112	5.46	
MCWP-MW05	150	4	1010	7.38	
MCWP-MW06	137	2	1106	9.63	
MCWP-MW07D	134	2	1125	6.83	
MCWP-MW07S	20	2	1123	5.66	
MCWP-MW08	77	2	1140	8.13	
MCWP-MW09	89	2	1139	5.50	
MCWP-MW10	22	2	1240	7.31	
P-4	12.5	4	1040	6.34	
P-9	14.3	4	1042	6.76	
SMBRP-2	25	2	1035	8.25	
SMBRP-6	25	2	1030	14.66	
SMBRP-7b	25	2	1016	9.54	
SMBRP-8 (EG-RC MW01)	60	4	0910	25.95	
SMBRP-9	45	2	0905	36.56	
SMBRP-10C	25	2	0947	3.57	
SMBRP-11	20	2	1132	8.39	
SMBRP-12	25	2	1141	7.56	
SMBRP-13	20	2	1147	7.47	
SMBRP-15b	25	1	1200	DRY	TD = 8.25
SMBRP-16	25	2	1000	3.03	

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 3/2/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1145	6.9	
C-2	14.5	2	1147	6.8	
CCPE	52	2	1223	8.34	Total depth = 52.29
CCPNE		2	1218	8.72	
CCPSW		2	1234	8.28	
CCW-4		1	1028	4.44	
GH6-M1	35	2	1011	27.34	
GH8-M3	40	2	1014	26.48	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	N/A
LAMW-5S	74	4	0930	53.4	Total depth = 74.05
M6-1	45	2	1019	6.45	
M6-2	20	2	1020	4.74	
M7-1	40	2	~~1000~~	~~6.6~~	1002 | 7.45
M7-2	25	2	1000	6.6	
MBCMW-5	19.4	2	1005	17.35	
MBCMW-6	64.26	n/a	—	—	REMOVED
MBCMW-7	52.5	2	—	—	COULD NOT REMOVE COVER
MBCMW-8	10	2	1300	7.05	
MBCMW-9	9	2	1030	6.73	Total depth = 9.23
MBCMW-10	53	2	1031	9.23	
MCWP-MW01	148	6	1251	10.72	
MCWP-MW02	145	6	1242	12.15	
MCWP-MW03	134	6	1319	8.76	
MCWP-MW04D	145	4	1250	9.93	Total depth = 148.15
MCWP-MW04S	20	4	1030	5.73	Total depth = 20.43
MCWP-MW05	150	4	1039	8.2	Total depth = 152.7
MCWP-MW06	137	2	1240	10.42	Total depth = 137.7
MCWP-MW07D	134	2	0900	8.25	Total depth = 128.46
MCWP-MW07S	20	2	0910	5.88	Total depth = 16.95
MCWP-MW08	77	2	1123	8.6	
MCWP-MW09	89	2	~~1030~~	~~6.73~~	Total depth = 89.25 1114 | 6.6
MCWP-MW10	22	2	~~1031~~	~~9.23~~	Total depth = 22.18 1135 | 8.12
P-4	12.5	4	1231	7.4	
P-9	14.3	4	1230	7.7	
SMBRP-2	25	2	1200	8.75	
SMBRP-6	25	2	1211	14.73	
SMBRP-7b	25	2	1050	10.02	Total depth = 24.9
SMBRP-8 (EG-RC MW01)	60	4	0941	25.6	
SMBRP-9	45	2	0932	36.42	Total depth = 44.97
SMBRP-10C	25	2	0951	4.39	
SMBRP-11	20	2	1103	8.64	Total depth = 20.05
SMBRP-12	25	2	1113	7.62	Total depth = 24.67
SMBRP-13	20	2	1124	8.48	Total depth = 19.3
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	—	—	PARKED OVER

GUAGED BY: Michelle Carter + Peter DORAN

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3·2·2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-5S
Observation Period	Start: 0930 Stop: 1020	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	73
Well Diameter (in)	4	Depth of Well (ft)	74.05
Initial/Static Depth to Water (ft)	53.40	Length of Water Column (ft)	20.65
Product Thickness (ft)	~~74.05~~	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	13.4	Three Casing Volumes (gal)	40.3
Purge Time, Start	1000	Purge Time, Stop	1015
Total Purge Time (minutes)	15	Purge Rate (gpm)	1.3
Purge Volume (gal)	20	Depth to Water (ft) at Sampling	53.33

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	13.5						At Sampling
Temperature (C)	19.7	20.5	WELL					20.9
pH	6.60	6.71	DEWATERED					6.55
Conductivity (µS)	1049	1057	@ 20 GAL.					1046
Dissolved Oxygen (mg/L)	2.90	2.80						2.7
Dissolved Oxygen (%)	32.0	31.1						30.9
TDS (ppm)	687	688						512
Turbidity (NTU)	15.6	10.3						26.2

Depth to Water at End of Purge (ft): 73.12 Drawdown (ft): 19.72

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled Time: 1000 3-3-2020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

19.72 + 0.2 * 53.40 = 57.34

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.2.2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW04S
Observation Period	Start: 1030 Stop: 1058	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4	Depth of Well (ft)	320.43
Initial/Static Depth to Water (ft)	5.73	Length of Water Column (ft)	14.70
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.6	Three Casing Volumes (gal)	28.7
Purge Time, Start	1040	Purge Time, Stop	1052
Total Purge Time (minutes)	12	Purge Rate (gpm)	1.7
Purge Volume (gal)	20.0	Depth to Water (ft) at Sampling	6.24

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	10.0	20.0					At Sampling
Temperature (C)	21.7	22.0	21.9					21.5
pH	7.21	7.26	7.28	WELL DEWATERED				7.25
Conductivity (µS)	7589	7455	7440	@ 20.0				6823
Dissolved Oxygen (mg/L)	3.38	4.59	4.49					7.54
Dissolved Oxygen (%)	39.3	53.9	52.2					87.4
TDS (ppm)	4930	4843	4836					2000
Turbidity (NTU)	10.3	10.3	10.3					0.34

Depth to Water at End of Purge (ft)	19.75	Drawdown (ft)	14.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1130 3-3-2020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.73 + 0.2 * 14.02 = 8.53

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.2.2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-11
Observation Period	Start: 1105 Stop: 1120	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	HAND 3A.1 / Pump.	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	20.05
Initial/Static Depth to Water (ft)	8.64	Length of Water Column (ft)	11.41
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.5
Purge Time, Start	1110	Purge Time, Stop	1115
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.4
Purge Volume (gal)	2.0	Depth to Water (ft) at Sampling	8.62

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						At Sampling
Temperature (C)	23.0	22.0	~~25~~					23.2
pH	6.88	6.90	WELL DEWATERED					6.73
Conductivity (µS)	2993	2680	@ 2.0					2528
Dissolved Oxygen (mg/L)	2.75	2.82						1.64
Dissolved Oxygen (%)	32.4	32.3						19.3
TDS (ppm)	1946	1742						810
Turbidity (NTU)	34.4	59.1						66.2

Depth to Water at End of Purge (ft)	19.50	Drawdown (ft)	10.86

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 1015 3-3-20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.64 + 0.2 * 10.86 = 10.81

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.2.2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	MBCMW-9
Observation Period	Start: 1130 Stop: 1150	Survey Reference Point:	TOC
Sampled By:	P. JORDAN	Witnessed By:	—

PURGING DATA

Type of Pump	~~HAND BAIL~~	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	9.23
Initial/Static Depth to Water (ft)	6.67	Length of Water Column (ft)	2.56
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.4	Three Casing Volumes (gal)	1.2
Purge Time, Start	1135	Purge Time, Stop	1140
Total Purge Time (minutes)	5	Purge Rate (gpm)	0.1
Purge Volume (gal)	0.5	Depth to Water (ft) at Sampling	6.70

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						At Sampling
Temperature (C)	20.0	20.1	WELL DEWATERED @ 0.75 GAL.					19.0
pH	6.84	6.77						6.90
Conductivity (µS)	7418	7411						7369
Dissolved Oxygen (mg/L)	2.57	2.55						3.0
Dissolved Oxygen (%)	29.0	29.3						32
TDS (ppm)	4917	4917						4774
Turbidity (NTU)	40.2	48.3						58.4

Depth to Water at End of Purge (ft)	9.02	Drawdown (ft)	2.35

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	2/2 TABS STRIPPED
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	GOOD

Comments: Sampled Time: 1030 3-3-2020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.67 + 0.2 * 2.35 = 7.14

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3·2·2020 / 3-3-2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-7B
Observation Period	Start: 1200 Stop: 1220	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Pump.	Pump Inlet Depth (ft)	24.5
Well Diameter (in)	2	Depth of Well (ft)	25.05
Initial/Static Depth to Water (ft)	10.01	Length of Water Column (ft)	15.04
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.4	Three Casing Volumes (gal)	7.2
Purge Time, Start	1205	Purge Time, Stop	1212
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.0
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	10.4

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	2.5	5.0	7.5				At Sampling
Temperature (C)	21.5	21.5	21.4	21.4				20.4
pH	7.08	7.12	7.11	7.11				7.01
Conductivity (µS)	2445	1471	1501	1509				1674
Dissolved Oxygen (mg/L)	2.23	3.01	2.78	2.75				7.46
Dissolved Oxygen (%)	25.4	34.0	32.1	31.1				83.6
TDS (ppm)	1587	956	976	981				603
Turbidity (NTU)	45.5	27.1	15.9	14.6				25.6

Depth to Water at End of Purge (ft)	24.43	Drawdown (ft)	14.42

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 0945 3-3-20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.01 + 0.2 * 14.42 = 12.89

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.3.2020 FS
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW045
Observation Period	Start: 1040 Stop: 1340	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	
Well Diameter (in)	4	Depth of Well (ft)	145.34
Initial/Static Depth to Water (ft)	10.00	Length of Water Column (ft)	135.34
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.9	Three Casing Volumes (gal)	263.9
Purge Time, Start	1050	Purge Time, Stop	1325
Total Purge Time (minutes)	155	Purge Rate (gpm)	1.7
Purge Volume (gal)	264	Depth to Water (ft) at Sampling	10.00

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	88	176	264				At Sampling
Temperature (C)	21.2	21.3	21.4	21.4				21.2
pH	7.04	7.08	7.05	6.99				7.08
Conductivity (µS)	2258	2477	2519	2510				2499
Dissolved Oxygen (mg/L)	3.20	3.47	3.05	1.95				2.62
Dissolved Oxygen (%)	36.0	39.7	34.0	20.9				29.5
TDS (ppm)	759	835	960	984				961
Turbidity (NTU)	9.3	1.03	0	0				0

Depth to Water at End of Purge (ft)	10.10	Drawdown (ft)	0.10

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1330

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.00 + 0.2 * 0.10 = 10.02

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-4-20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 0915 Stop: 1030	Survey Reference Point:	TOC
Sampled By:	MICHELLE CARTER	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2"	Depth of Well (ft)	45.0
Initial/Static Depth to Water (ft)	36.43	Length of Water Column (ft)	8.57
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.37	Three Casing Volumes (gal)	4.11
Purge Time, Start	0930	Purge Time, Stop	0945
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.27
Purge Volume (gal)	4.1	Depth to Water (ft) at Sampling	36.75

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	1.5	3	4.1				At Sampling
Temperature (C)	20.5	20.7	20.9	20.9				22.1
pH	7.26	7.3	7.31	7.3				7.21
Conductivity (µS)	1979	2061	2136	2203				2240
Dissolved Oxygen (mg/L)	6.07	5.99	6.14	6.45				6.48
Dissolved Oxygen (%)	67.6	66.9	68.9	72.9				74.7
TDS (ppm)	1405	1459	1505	1542				1542
Turbidity (NTU)	30.61	25.14	45.85	52.4				72.0

Depth to Water at End of Purge (ft)	38.61	Drawdown (ft)	2.18

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	overcast

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

36.43 + 0.2 * 2.18 = 36.80

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.2020
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW06
Observation Period	Start: 0915 Stop: 1020	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	134
Well Diameter (in)	2	Depth of Well (ft)	136.45
Initial/Static Depth to Water (ft)	10.30	Length of Water Column (ft)	126.15
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.2	Three Casing Volumes (gal)	60.6
Purge Time, Start	0927	Purge Time, Stop	1005
Total Purge Time (minutes)	38	Purge Rate (gpm)	1.6
Purge Volume (gal)	61.0	Depth to Water (ft) at Sampling	10.30

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	40.5	61.0				At Sampling
Temperature (C)	19.6	20.3	20.4	20.4				20.3
pH	7.24	7.22	7.21	7.22				7.37
Conductivity (µS)	2226	2264	2256	2268				1396
Dissolved Oxygen (mg/L)	2.61	2.49	2.38	2.42				4.07
Dissolved Oxygen (%)	29.0	28.9	26.4	27.4				44.4
TDS (ppm)	1449	1472	1467	1474				908
Turbidity (NTU)	2.4	6.7	3.2	2.0				11.1

Depth to Water at End of Purge (ft): 10.49 Drawdown (ft): 0.19

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: 1/2 TABS MISSING

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled Time: 1010

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.30 + 0.2 * 0.19 = 10.33

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1035 Stop: 1120	Survey Reference Point:	TOC
Sampled By:	P. JORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	95
Well Diameter (in)	2	Depth of Well (ft)	99.16
Initial/Static Depth to Water (ft)	6.61	Length of Water Column (ft)	82.57
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.21	Three Casing Volumes (gal)	39.6
Purge Time, Start	1044	Purge Time, Stop	1114
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.3
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.73

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	26.5	40.0				At Sampling
Temperature (C)	22.5	22.5	23.0	22.6				25.5
pH	7.42	7.42	7.42	7.33				7.55
Conductivity (µS)	3208	3312	3393	3356				3282
Dissolved Oxygen (mg/L)	3.04	3.17	3.5	2.88				5.96
Dissolved Oxygen (%)	32.0	36.4	40.6	32.8				73.7
TDS (ppm)	2189	2253	2291	2282				2110
Turbidity (NTU)	70.8	19.58	8.56	5.32				22.25

Depth to Water at End of Purge (ft)	6.73	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

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

6.61 + 0.2 * 0.12 = 6.63

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-12
Observation Period	Start: 1100 Stop: 1140	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.56
Initial/Static Depth to Water (ft)	7.67	Length of Water Column (ft)	16.89
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.1
Purge Time, Start	1110	Purge Time, Stop	1125
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.5
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.66

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)	23.3	22.6	22.4	22.4				24.0
pH	7.21	7.14	7.16	7.15				7.17
Conductivity (µS)	1959	2378	2490	2515				2018
Dissolved Oxygen (mg/L)	4.46	3.64	3.70	3.33				3.57
Dissolved Oxygen (%)	52.6	42.5	42.2	37.7				42.4
TDS (ppm)	1273	1545	1567	1635				1307
Turbidity (NTU)	24.9	71.4	74.6	69.8				49.7
			Depth to Water at End of Purge (ft)	7.69		Drawdown (ft)	0.02	

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

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

7.67 + 0.2 * 0.02 = 7.67

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 13
Observation Period	Start: 1155 Stop: 1220	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	19.42
Initial/Static Depth to Water (ft)	8.64	Length of Water Column (ft)	10.78
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.7	Three Casing Volumes (gal)	5.2
Purge Time, Start	1200	Purge Time, Stop	1210
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.64

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	5.5				At Sampling
Temperature (C)	22.0	21.1	21.1	21.1				20.4
pH	6.75 6.67	6.79	6.80	6.80				6.84
Conductivity (µS)	6207	6586	6646	6665				6514
Dissolved Oxygen (mg/L)	3.20	3.96	3.30	3.28				3.59
Dissolved Oxygen (%)	37.4	45.3	37.9	37.2				40.2
TDS (ppm)	4041	4282	4314	4332				4232
Turbidity (NTU)	42.6	49.7	53.4	58.2				32.4

Depth to Water at End of Purge (ft)	8.70	Drawdown (ft)	0.06

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1215

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.64 + 0.2 * 0.06 = 8.65

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3-4-20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP- MW07S
Observation Period	Start: 1210 Stop: 1320	Survey Reference Point:	TOC
Sampled By:	MICHELLE CARTER	Witnessed By:	—

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	16.95
Initial/Static Depth to Water (ft)	5.9	Length of Water Column (ft)	11.05
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.77	Three Casing Volumes (gal)	5.3
Purge Time, Start	1225	Purge Time, Stop	1240
Total Purge Time (minutes)	15	Purge Rate (gpm)	0.35
Purge Volume (gal)	5.3	Depth to Water (ft) at Sampling	7.14

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	3.5	5.3	DEWATER @ 5.3ft			At Sampling
Temperature (C)	20.7	20.8	20.5	21.2				20.6
pH	7.28	7.36	7.35	7.4				7.3
Conductivity (µS)	2101	2019	2017	2099				2007
Dissolved Oxygen (mg/L)	4.31	5.04	4.32	3.92				6.91
Dissolved Oxygen (%)	48.4	58.8	47.5	40.4				80.5
TDS (ppm)	1486	1414	1434	1473				1422
Turbidity (NTU)	4.0	138.5	54.7	403.2				125.54

Depth to Water at End of Purge (ft)	12.12	Drawdown (ft)	6.22

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1315

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.9 + 0.2 * 6.22 = 7.14

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.4.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW-10
Observation Period	Start: 1240 Stop: 1310	Survey Reference Point:	TOC
Sampled By:	R. Doran	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	20
Well Diameter (in)	2	Depth of Well (ft)	22.14
Initial/Static Depth to Water (ft)	8.18	Length of Water Column (ft)	13.96
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.2	Three Casing Volumes (gal)	6.7
Purge Time, Start	1244	Purge Time, Stop	1251
Total Purge Time (minutes)	7	Purge Rate (gpm)	1.0
Purge Volume (gal)	7.0	Depth to Water (ft) at Sampling	8.20

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	4.5	7.0				At Sampling
Temperature (C)	21.2	20.7	20.6	20.6				20.5
pH	7.20	7.12	7.12	7.12				7.11
Conductivity (µS)	3007	3030	3032	3032				3054
Dissolved Oxygen (mg/L)	~~1955~~ 3.77	4.10	3.92	3.90				3.95
Dissolved Oxygen (%)	42.2	45.9	43.0	42.9				44.2
TDS (ppm)	1954	1972	1972	1972				1995
Turbidity (NTU)	2.9	0	0	0				20.4

Depth to Water at End of Purge (ft)	8.60	Drawdown (ft)	0.42

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good, 1/2 TABS missing
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR.

Comments: Sampled Time: 1300

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.14 + 0.2 * 0.42 = 8.26

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	3.5.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW07D
Observation Period	Start: 0900 Stop: 1005	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	127.5
Well Diameter (in)	2	Depth of Well (ft)	128.46
Initial/Static Depth to Water (ft)	8.25	Length of Water Column (ft)	120.21
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.2	Three Casing Volumes (gal)	57.7
Purge Time, Start	0937	Purge Time, Stop	1009
Total Purge Time (minutes)	32	Purge Rate (gpm)	1.8
Purge Volume (gal)	58	Depth to Water (ft) at Sampling	8.25

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	19.5	38.5	58.0				At Sampling
Temperature (C)	20.7	21.3	22.1	21.7				22.7
pH	7.34	7.16	7.12	7.13				7.14
Conductivity (µS)	2164	2646	2755	2730				2704
Dissolved Oxygen (mg/L)	4.66	4.18	4.06	4.12				2.59
Dissolved Oxygen (%)	52.2	47.3	48.8	47.7				30.3
TDS (ppm)	1536	1850	1882	1888				1835
Turbidity (NTU)	35.7	0.60	0.03	1.19				0

Depth to Water at End of Purge (ft)	8.25	Drawdown (ft)	0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 1010

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.25 + 0.2 * 0 = 8.25

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3.5.20	
Project/Location Malibu, CA Civic Center Area		Well Number: CCPE	
Observation Period Start: 1020 Stop: 1050		Survey Reference Point: TOC	
Sampled By: P. Dorn		Witnessed By: MC	

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	51.5
Well Diameter (in)	2	Depth of Well (ft)	52.19
Initial/Static Depth to Water (ft)	8.21	Length of Water Column (ft)	43.98
Product Thickness (ft)	–	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.0	Three Casing Volumes (gal)	21.1
Purge Time, Start	1028	Purge Time, Stop	1040
Total Purge Time (minutes)	12	Purge Rate (gpm)	1.79
Purge Volume (gal)	21.5	Depth to Water (ft) at Sampling	8.21

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	7.0	14.0	21.5				At Sampling
Temperature (C)	20.3	19.8	19.6	19.6				19.5
pH	6.99	7.00	7.04	7.05				7.01
Conductivity (µS)	2074	2027	2025	2089				2034
Dissolved Oxygen (mg/L)	3.65	3.80	3.81	4.40				3.54
Dissolved Oxygen (%)	40.6	41.0	41.4	48.3				37.8
TDS (ppm)	1476	1461	1468	1475				1478
Turbidity (NTU)	8.03	3.49	0	0.06				0

Depth to Water at End of Purge (ft): 8.21 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1045

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.21 + 0.2 * 0 = 8.21

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587		Date: 3-5-20	
Project/Location Malibu, CA	Civic Center Area	Well Number: MCWP-MW05	
Observation Period Start: 1100	Stop: 1240	Survey Reference Point: TOC	
Sampled By: PETER DORAN		Witnessed By: MICHELLE CARTER	

PURGING DATA

Type of Pump	PUMP / BAILER	Pump Inlet Depth (ft)	150
Well Diameter (in)	4	Depth of Well (ft)	150.60
Initial/Static Depth to Water (ft)	8.21	Length of Water Column (ft)	142.39
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	92.55	Three Casing Volumes (gal)	277.6
Purge Time, Start	1115	Purge Time, Stop	1235
Total Purge Time (minutes)	80	Purge Rate (gpm)	3.4
Purge Volume (gal)	277.5	Depth to Water (ft) at Sampling	8.21

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	92.5	185.0	277.5				At Sampling
Temperature (C)	21.3	20.0	20.5	19.2				20.1
pH	7.17	7.01	7.07	7.24				7.79
Conductivity (µS)	1781	2036	2034	1972				1253
Dissolved Oxygen (mg/L)	2.72	3.71	3.95	3.27				6.92
Dissolved Oxygen (%)	31.1	45.3	43.8	37.7				76.7
TDS (ppm)	1244	1448	1446	1439				899
Turbidity (NTU)	0	0	0	0				1.9

Depth to Water at End of Purge (ft)	8.21	Drawdown (ft)	0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1235

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.21 + 0.2 * 0 = 8.21

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 3/4/20 Sampled By: Jonmcmeleon

Jan-Mar Apr-Jun July-Sep Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: open / closed

General Weather Conditions
~65-70°F

General Wind Conditions
clam < 3kts.

Daily Tides: **Low** Time: 1217 Feet: 0.0 **High** Time: ~~3.3~~ 7:17 PM Feet: 3.3

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	1204	calm	clear	clear	none	none	—	Y
N-002	1214	↓	↓	↓	↓	↓	—	↓
N-003	1233	↓	↓	↓	↓	↓	—	↓
N-004	1140	↓	↓	↓	↓	↓	—	↓
L-001	1315	N/A	muddy/ cloudy	brown	↓	↓	ducks ~10	↓
L-002	1330	N/A	↓	↓	↓	↓	—	↓
L-003	1345	N/A	↓	↓	↓	↓	ducks Cormorants gulls ~10 total	↓
L-004	1251	N/A	↓	↓	↓	↓	ducks gulls Cormorants ~30 total	↓
L-005	1230	calm	↓	clear	↓	↓	→	↓
L-006	1241	N/A	↓	brown	↓	↓	←	↓

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time / /	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1212	7.52	
C-2	14.5	2	1215	7.3	
CCPE	52	2	0959	11.44	
CCPNE		2	0950	9.03	
CCPSW		2	1009	8.50	
CCW-4		1	1229	3.38	
GH6-M1	35	2	—	—	OVERGROWN - could not locate
GH8-M3	40	2	—	—	OVERGROWN - could not locate
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a			
LAMW-5S	74	4	0915	52.10	TD= 74.16
M6-1	45	2	1149	6.18	
M6-2	20	2	1150	4.04	
M7-1	40	2	1125	6.79	
M7-2	25	2	1128	5.57	
MBCMW-5	19.4	n/a	1133	16.75	
MBCMW-6	64.26	n/a	—	—	REMOVED
MBCMW-7	52.5	2	1259	11.79	
MBCMW-8	10	2	1258	5.81	
MBCMW-9	9	2	0931	5.6	
MBCMW-10	53	2	0930	9.2	
MCWP-MW01	148	6	1032	10.88	
MCWP-MW02	145	6	~~1030~~	~~10.45~~	1031 | 12.3
MCWP-MW03	134	6	1140	8.42	
MCWP-MW04D	145	4	1031	10.07	TD= 145.45
MCWP-MW04S	20	4	1030	4.30	TD= 20.44
MCWP-MW05	150	4	0941	8.2	
MCWP-MW06	137	2	1030	10.45	
MCWP-MW07D	134	2	1137	8.26	TD= 128.14
MCWP-MW07S	20	2	1138	5.03	TD= 17.28
MCWP-MW08	77	2	1055	8.9	
MCWP-MW09	89	2	1049	6.68	TD= 89.12
MCWP-MW10	22	2	1204	8.50	
P-4	12.5	4	1005	7.7	
P-9	14.3	4	1003	8.07	
SMBRP-2	25	2	1017	9.0	
SMBRP-6	25	2	1025	14.45	
SMBRP-7b	25	2	0944	9.18	
SMBRP-8 (EG-RC MW01)	60	4	—	—	LOCKED GATE - DTW - 23.86 - 0915 4.29.20
SMBRP-9	45	2	0910	35.65	TD= 44.82
SMBRP-10C	25	2	0908	1.48	
SMBRP-11	20	2	1100	7.79	TD= 20.08
SMBRP-12	25	2	1045	7.69	TD= 24.61
SMBRP-13	20	2	1056	9.19	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	0917	2.02	

CODE:

Malibu

Monthly Gauging Sheet 5/28/20

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 5/28/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	0955	7.21	
C-2	14.5	2	0956	7.0	
CCPE	52	2	1036	8.76	
CCPNE		2	1039	11.85	
CCPSW		2	10.50	7.95	
CCW-4		1	1117	4.5	
GH6-M1	35	2	1148	26.5	
GH8-M3	40	2	1151	25.61	
GH9-M4	45	2	—	—	BURIED
Lagoon	n/a	n/a	—	—	
LAMW-5S	74	4	0902	52.38	
M6-1	45	2	1201	6.12	
M6-2	20	2	1202	4.5	
M7-1	40	2	11.38	7.5	
M7-2	25	2	1139	6.98	
MBCMW-5	19.4	n/a	1144	16.78	
MBCMW-6	64.26	n/a	—	—	removed
MBCMW-7	52.5	2	1105	11.45	
MBCMW-8	10	2	1106	6.86	
MBCMW-9	9	2	1121	6.5	
MBCMW-10	53	2	1120	8.98	
MCWP-MW01	148	6	0847	10.75	
MCWP-MW02	145	6	1054	11.6	
MCWP-MW03	134	6	0918	8.75	
MCWP-MW04D	145	4	0844	9.91	
MCWP-MW04S	20	4	0840	5.3	
MCWP-MW05	150	4	11.28	8.0	
MCWP-MW06	137	2	1055	10.28	
MCWP-MW07D	134	2	0917	~~21.46~~	8.62
MCWP-MW07S	20	2	0916	5.02	
MCWP-MW08	77	2	0945	8.50	
MCWP-MW09	89	2	0935	~~6.90~~	6.5
MCWP-MW10	22	2	0952	8.05	
P-4	12.5	4	1047	7.3	
P-9	14.3	4	~~1022~~	~~8.68~~	1044 | 7.83
SMBRP-2	25	2	1022	8.68	
SMBRP-6	25	2	1030	14.80	
SMBRP-7b	25	2	1125	9.55	
SMBRP-8 (EG-RC MW01)	60	4	0854	23.67	
SMBRP-9	45	2	0850	35.15	
SMBRP-10C	25	2	0859	3.90	
SMBRP-11	20	2	0925	8.76	
SMBRP-12	25	2	0934	6.99	
SMBRP-13	20	2	0945	8.9	
SMBRP-15b	25	1	—	—	DRY
SMBRP-16	25	2	1111	3.4	

Malibu

Monthly Gauging Sheet

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time / / 6/12/20	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1016	7.2	
C-2	14.5	2	1015	7.1	
CCPE	52	2	1049	11.35	
CCPNE		2	1045	8.81	
CCPSW		2	1058	8.3	
CCW-4		1	0929	4.99	
GH6-M1	35	2	1118	26.5	
GH8-M3	40	2	1121	25.82	
~~GH9-M4~~	~~45~~	~~2~~			BURIED
Lagoon	n/a	n/a			
LAMW-5S	74	4	0920	52.74	
M6-1	45	2	1112	7.75	
M6-2	20	2	1113	7.03	
M7-1	40	2	1124	6.59	
M7-2	25	2	1125	4.80	
MBCMW-5	19.4	n/a	1115	17.0	
MBCMW-6	64.26	n/a			REMOVED
MBCMW-7	52.5	2	0902	11.82	
MBCMW-8	10	2	0903	7.42	
MBCMW-9	9	2	0930	6.8	
MBCMW-10	53	2	0931	9.42	
MCWP-MW01	148	6	0854	11.2	
MCWP-MW02	145	6	1103	1212	
MCWP-MW03	134	6	0947	9.1	
MCWP-MW04D	145	4	0855	10.4	
MCWP-MW04S	20	4	0856	5.85	
MCWP-MW05	150	4	0938	8.45	
MCWP-MW06	137	2	1102	10.70	
MCWP-MW07D	134	2	0948	9.0	
MCWP-MW07S	20	2	0949	5.05	
MCWP-MW08	77	2	1003	8.8	
MCWP-MW09	89	2	0957	6.9	
MCWP-MW10	22	2		~~8.8~~	PARKED OVER
P-4	12.5	4	1055	7.5	
P-9	14.3	4	1053	7.8	
SMBRP-2	25	2	1034	8.89	
SMBRP-6	25	2	1040	15.28	
SMBRP-7b	25	2	0942	9.86	
SMBRP-8 (EG-RC MW01)	60	4	0915	23.8	
SMBRP-9	45	2	0910	34.98	
SMBRP-10C	25	2	0919	4.79	
SMBRP-11	20	2			PARKED OVER
SMBRP-12	25	2	0957	7.08	
SMBRP-13	20	2	1004	9.12	
~~SMBRP-15b~~	~~25~~	~~1~~			DRY
SMBRP-16	25	2	0925	3.9	

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	4.27.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW-5
Observation Period	Start: 0915 Stop: 1020	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	-

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	73
Well Diameter (in)	4	Depth of Well (ft)	74.16
Initial/Static Depth to Water (ft)	52.10	Length of Water Column (ft)	22.06
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	14.3	Three Casing Volumes (gal)	43.0
Purge Time, Start	0939	Purge Time, Stop	1005
Total Purge Time (minutes)	26	Purge Rate (gpm)	0.8
Purge Volume (gal)	20.0	Depth to Water (ft) at Sampling	52.12

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	14.5	20.0					At Sampling
Temperature (C)	21.1	21.8	21.9					19.7
pH	6.22	6.72	6.80	WELL DEWATERED @ 20 GAL.				6.89
Conductivity (µS)	1244	1181	1203					~~701~~ 969
Dissolved Oxygen (mg/L)	2.96	2.05	2.88					4.35
Dissolved Oxygen (%)	32.8	23.4	33.6					47.7
TDS (ppm) mg/L	869	818	825					701
Turbidity (NTU)	22.6	105	20.8					10.3

Depth to Water at End of Purge (ft)	72.5	Drawdown (ft)	20.40

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Overcast.

Comments: Sampled Time: 0910 4.28.20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

52.10 + 0.2 * 20.40 = 56.18

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	4.29.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP-9
Observation Period	Start: 0845 Stop: 0940	Survey Reference Point:	TOC
Sampled By:	P.D. ML.	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	43
Well Diameter (in)	2	Depth of Well (ft)	44.82
Initial/Static Depth to Water (ft)	35.65	Length of Water Column (ft)	9.17
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.46	Three Casing Volumes (gal)	4.4
Purge Time, Start	0904	Purge Time, Stop	0908
Total Purge Time (minutes)	4	Purge Rate (gpm)	1.0
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	35.72

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	1.5	3.0	4.5				At Sampling
Temperature (C)	20.8	21.7	22.3	22.1				21.7
pH	7.16	7.17	7.2	7.23				7.25
Conductivity (µS)	2366	2383	2388	2440				2431
Dissolved Oxygen (mg/L)	3.75	4.29	4.10	3.60				4.9
Dissolved Oxygen (%)	47.2	48.5	46.6	47.1				55.6
TDS (ppm)	1676	1653	1641	1671				1689
Turbidity (NTU)	54.3	48.35	42.91	43.2				56.20

Depth to Water at End of Purge (ft): 42.26 Drawdown (ft): 6.61

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Overcast.

Comments: Sampled Time: 0920

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

35.65 + 0.2 * 6.61 = 36.97

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	4.27.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMBRP - 11
Observation Period	Start: 1100 Stop: 1130	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	~~Hur~~ Elect. Sub.	Pump Inlet Depth (ft)	19
Well Diameter (in)	2	Depth of Well (ft)	20.05
Initial/Static Depth to Water (ft)	7.79	Length of Water Column (ft)	12.29
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.9	Three Casing Volumes (gal)	5.9
Purge Time, Start	1116	Purge Time, Stop	1122
Total Purge Time (minutes)	6	Purge Rate (gpm)	
Purge Volume (gal)	6.0	Depth to Water (ft) at Sampling	7.85

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)	24.2	24.1	24.0	24.0				21.5
pH	6.87	6.79	6.84	6.94				7.16
Conductivity (µS)	3657	3294	2982	2217				1629
Dissolved Oxygen (mg/L)	2.83	2.27	2.74	2.81				3.66
Dissolved Oxygen (%)	34.0	27.3	31.9	33.6				41.6
TDS (ppm) mg/L	2419	2179	1974	1460				1136
Turbidity (NTU)	45.6	23.6	16.0	28.4				462

Depth to Water at End of Purge (ft)	19.21	Drawdown (ft)	11.42

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Overcast

Comments: Sampled Time: 1000 4.28.20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.79 + 0.2 * 11.42 = 10.07

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	4·28·20
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMTRP-17
Observation Period	Start: 1200 Stop: 1230	Survey Reference Point:	TOC
Sampled By:	RD. MC	Witnessed By:	—

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	24
Well Diameter (in)	2	Depth of Well (ft)	24.61
Initial/Static Depth to Water (ft)	7.69	Length of Water Column (ft)	16.92
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.7	Three Casing Volumes (gal)	8.1
Purge Time, Start	1205	Purge Time, Stop	1211
Total Purge Time (minutes)	~~1209~~ 6	Purge Rate (gpm)	1.4
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.35

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)	22.7	22.7	22.7	22.7				22.3
pH	7.06	7.04	7.04	7.05				7.24
Conductivity (µS)	2640	2657	2660	2662				1638
Dissolved Oxygen (mg/L)	1.64	1.60	1.48	1.46				2.92
Dissolved Oxygen (%)	18.7	18.4	16.8	16.6				34.3
TDS (ppm)	1795	1806	1806	1808				1121
Turbidity (NTU)	9.8	1.7	0.80	0.75				37.51

Depth to Water at End of Purge (ft)	8.10	Drawdown (ft)	0.41

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Overcast.

Comments: Sampled Time: 1225

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.69 + 0.2 * 0.41 = 7.77

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	4.27.20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1030 Stop: 1100	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	GROUNDFOS	Pump Inlet Depth (ft)	20
Well Diameter (in)	4	Depth of Well (ft)	20.44
Initial/Static Depth to Water (ft)	4.30	Length of Water Column (ft)	16.14
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	10.5	Three Casing Volumes (gal)	31.5
Purge Time, Start	1036	Purge Time, Stop	1050
Total Purge Time (minutes)	14	Purge Rate (gpm)	1.2
Purge Volume (gal)	18	Depth to Water (ft) at Sampling	4.61

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 4/28/20

Volume Pumped (gal)	Before Purge	10.5						At Sampling
Temperature (C)	22.2	22.6						21.6
pH	7.29	7.30	WELL					7.32
Conductivity (µS)	7236	8406	DEWATERED @ 18gal.					6557
Dissolved Oxygen (mg/L)	4.65	4.05						7.46
Dissolved Oxygen (%)	54.6	48.8						86.6
TDS (ppm) mg/L	4972	5729						4557
Turbidity (NTU)	16.5	8.5						1.5

Depth to Water at End of Purge (ft): 19.31 Drawdown (ft): 15.01

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled Time: 0950 4/28/20

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

4.30 + 0.2 * 19.31 = 7.30

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 4.29.20
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP - MW04D
Observation Period Start: 0915 Stop: 1300	Survey Reference Point: TOC
Sampled By: R.D. MC.	Witnessed By: —

PURGING DATA

Type of Pump	Grundfos.	Pump Inlet Depth (ft)	143
Well Diameter (in)	4	Depth of Well (ft)	145.45
Initial/Static Depth to Water (ft)	10.07	Length of Water Column (ft)	135.38
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.99	Three Casing Volumes (gal)	263.9
Purge Time, Start	0925	Purge Time, Stop	1155
Total Purge Time (minutes)	150	Purge Rate (gpm)	1.7
Purge Volume (gal)	264	Depth to Water (ft) at Sampling	10.07

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	88	176	264				At Sampling
Temperature (C)	20.2	20.3	20.3	20.3				20.4
pH	7.21	7.46	7.44	7.35				7.31
Conductivity (µS)	2270	2271	2269	2280				2302
Dissolved Oxygen (mg/L)	2.51	1.81	1.57	1.60				1.60
Dissolved Oxygen (%)	27.7	20.6	17.5	17.9				18.9
TDS (ppm)	1623	1623	1620	1620				1622
Turbidity (NTU)	4.1	4.4	1.6	0.72				1.0

Depth to Water at End of Purge (ft): 10.24 Drawdown (ft): 0.17

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Overcast.

Comments: Sampled Time: 1200

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.07 + 0.2 * 0.17 = 10.10

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 4.28.20
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07S
Observation Period Start: 1030 Stop: 1125	Survey Reference Point: TOC
Sampled By: MC	Witnessed By: MC + PD

PURGING DATA

Type of Pump	ELECTRIC PUMP	Pump Inlet Depth (ft)	17
Well Diameter (in)	2	Depth of Well (ft)	17.28
Initial/Static Depth to Water (ft)	5.03	Length of Water Column (ft)	12.25
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.96	Three Casing Volumes (gal)	5.88
Purge Time, Start	1030	Purge Time, Stop	1037
Total Purge Time (minutes)	7	Purge Rate (gpm)	0.6
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling	~~5.43~~ 5.17

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	5.8				At Sampling
Temperature (C)	20.4	20.3	20.4	|				20.5
pH	7.27	7.24	7.27	|				7.41
Conductivity (µS)	2204	1571	1983	|				1995
Dissolved Oxygen (mg/L)	3.62	3.86	3.06	Dewatered @ 4.93'				5.76
Dissolved Oxygen (%)	42.0	43.1	34.4					64.6
TDS (ppm)	1636	1117	1414					1412
Turbidity (NTU)	22.86	11.10	143.02	7.05				15.7

Depth to Water at End of Purge (ft) ↘ Drawdown (ft) 12.02

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Overcast

Comments: Sampled Time: 1110

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.03 + 0.2 * 12.02 = ~~7~~.43

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	4·28·20
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW07D
Observation Period	Start: 1020 Stop: 1200	Survey Reference Point:	TOC
Sampled By:	P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	128.14
Initial/Static Depth to Water (ft)	8.26	Length of Water Column (ft)	119.88
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.2	Three Casing Volumes (gal)	57.5
Purge Time, Start	1030	Purge Time, Stop	1110
Total Purge Time (minutes)	40	Purge Rate (gpm)	1.4
Purge Volume (gal)	57.5	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	19.5	38.5	57.5				At Sampling
Temperature (C)	22.6	22.7	22.7	22.7				22.6
pH	7.28	7.21	7.20	7.23				6.83
Conductivity (µS)	2410	2490	2576	2600				325.5
Dissolved Oxygen (mg/L)	2.33	1.36	1.65	1.70				3.44
Dissolved Oxygen (%)	26.4	15.8	19.2	19.6				43.0
TDS (ppm)	1646	1692	1751	1768				221
Turbidity (NTU)	2.5	1.1	0.8	0.2				61.85

Depth to Water at End of Purge (ft): 8.40 Drawdown (ft): 0.14

Comments: SEWER SMELL coming from well.

MISCELLANEOUS DATA

Condition of Traffic Box: 1/2 Bolts missing

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: OVERCAST.

Comments: Sampled Time: 1140

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.26 + 0.2 * 0.14 = 8.29

Rincon Consultants, Inc.

GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 4-28-20
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW09
Observation Period Start: 1120 Stop: 1240	Survey Reference Point: TOC
Sampled By: P. DORAN	Witnessed By: MC

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	88
Well Diameter (in)	2	Depth of Well (ft)	89.12
Initial/Static Depth to Water (ft)	6.68	Length of Water Column (ft)	82.44
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.2	Three Casing Volumes (gal)	39.6
Purge Time, Start	1135	Purge Time, Stop	1155
Total Purge Time (minutes)	20	Purge Rate (gpm)	2.0
Purge Volume (gal)	40.0	Depth to Water (ft) at Sampling	6.65

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	26.5	40.0				At Sampling
Temperature (C)	22.2	22.4	22.4	22.4				22.6
pH	7.39	7.34	7.34	7.36				7.40
Conductivity (µS)	3136	3260	3284	3290				3032
Dissolved Oxygen (mg/L)	1.78	1.75	1.70	1.74				3.54
Dissolved Oxygen (%)	20.5	20.2	19.6	19.8				42.0
TDS (ppm)	2153	2231	2245	2250				2027
Turbidity (NTU)	28.9	8.2	4.0	3.5				6.8

Depth to Water at End of Purge (ft): 7.30 | Drawdown (ft): 0.62

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: 1/2 TABS THISSILY

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled Time: 1220

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.68 + 0.2 * 0.62 = 6.80

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 04/28/2020 Sampled By: Jaime McClain / James Grunder

Jan-Mar (Apr-Jun) July-Sep Oct-Dec
(Circle appropriate)

Estuary (Circle appropriate)
Berm: (open) / closed

General Weather Conditions
Dense coastal fog in morning cleared to sunny day in afternoon.

General Wind Conditions
Mild winds ≤ ~~5 kts~~ ≤ 7 kts out of the west to southwest

Daily Tides: **Low** Time: 0813 Feet: 1.70

High Time: 1622 Feet: 4.40

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	1317	Calm 2-3Ft swell	Clear	Clear	none	none	1 longbilled curlew	Y
N-002	1300	Calm 2-3Ft swell	clear	Clear	none	none	2 longbilled curlews	Y
N-003	1242	Calm 2-3Ft swell	Clear	Clear	none	none	2 western gulls	Y
N-004	1405	Calm 2-3Ft swell	Clear	Clear	none	none	none	Y
L-001	1036	N/A	clear	Clear	none	none	2 mallards	Y
L-002	1120	N/A	Cloudy	Brown	none	none	none	Y
L-003	1056	N/A	Cloudy	Brown	rotten eggs	none	1 mallard 20 swallows	Y
L-004	1145	N/A	Cloudy	Brown	none	none	17 Pelicans 19 W. Gulls 5 Koots 1 ~~Egret~~ 1 Mallard	Y
L-005	1230	Calm ~~2-3Ft swell~~ ~~cloudy~~	Cloudy	Brown	none	none	9 cormorants 1 canada goose 3 mallards 15 2 egrets gulls 10 Pelicans	Y
L-006	1205	N/A	Cloudy	Brown	rotten eggs	none	2 swallows	Y

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	Monthly - July
Project:	Malibu CCWTF	**Date:**	July 29, 2020
Location:	Malibu, CA	**Measured By:**	Peter Doran

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50		N/A	4.98	01:08	
C-2	14.20		2	4.86	13:11	
CCPE	52.70		2	5.46		1/2 tabs missing
CCPNE	24.10		2	6.12	11:26	
CCPSW	19.90		2	6.02	11:32	2/2 tabs missing
CCW-4	12.30		1	5.45	10:35	
GH6-M1	35.20		2	26.43	10:06	
GH8-M3	40.21		2	25.85	10:02	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43		4	53.51	10:18	1/2 Bolts missing
M6-1	45.30		2	6.11	09:45	
M6-2	19.40		2	5.07	09:44	
M7-1	39.35		2	7.42	09:53	
M7-2	19.60		2	6.90	09:52	
MBCMW-5	19.40	18.22	N/A	16.94	09:57	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	10.89	10:30	
MBCMW-8	11.95		2	7.47	10:29	
MBCMW-9	9.25		2	7.37	10:42	
MBCMW-10	51.75		2	8.27	10:41	
MCWP-MW01	152.88		6	10.06	11:56	
MCWP-MW02	148.20		6	10.05	11:42	
MCWP-MW03	136.65		6	7.83	12:07	2/2 bolts missing
MCWP-MW04S	20.45		4	6.07	11:55	
MCWP-MW04D	149.20		4	9.26	11:54	
MCWP-MW05	154.40		4	7.33		
MCWP-MW06	138.15		2	9.58	11:41	
MCWP-MW07S	17.22		2	5.45	12:05	2/2 tabs missing
MCWP-MW07D	129.60		2	7.71	12:06	2/2 tabs missing
MCWP-MW08	79.38		2	7.51	12:27	
MCWP-MW09	89.60		2	5.74	12:25	1/2 tabs missing
MCWP-MW10	22.23		2	5.48	01:00	
P-4	14.57		4	4.36	11:14	2/2 bolts missing
P-9	13.90		4	4.80	11:16	2/2 bolts missing
SMBRP-2	24.88		2	5.73	11:08	
SMBRP-6	23.45		2	15.86	10:58	1/2 bolts missing
SMBRP-7B	25.13		2	9.72	10:46	
SMBRP-8 (EC-RC-MW01)	40.46		4	24.45	09:46	
SMBRP-9	45.40		2	34.85	09:44	
SMBRP-10C	25.00		2	5.51	10:11	Cracked apron
SMBRP-12	24.88		2	7.15	12:24	
SMBRP-13	19.48		2	8.53	12:26	
SMBRP-16	25.00		2	3.84	10:24	2/2 bolts missing
SMBRP-11	20.38		2	8.23	12:14	1/2 tabs missing

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	Monthly - August (3Q Annual)
Project:	Malibu CCWTF	**Date:**	August 17, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter

Well ID	**Total Well Depth** (ft bTOC)		**Well Diameter**	**Depth to Water** (ft bTOC)	**Time**	**Notes/ Well Condition**
	Historical	Measured				
C-1	14.50		N/A	7.15	09:49	
C-2	14.20		2	6.89	09:52	
CCPE	52.70		2	8.57	09:26	
CCPNE	24.10		2	9.02	09:21	
CCPSW	19.90		2	8.51	11:29	
CCW-4	12.30		1	5.59	09:05	
GH6-M1	35.20		2	26.69	11:11	
GH8-M3	40.21		2	26.07	11:12	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43		4	53.84	09:10	
M6-1	45.30		2	7.20	11:19	
M6-2	19.40		2	5.35	11:20	
M7-1	39.35		2	8.00	10:58	
M7-2	19.60		2	7.13	10:59	
MBCMW-5	19.40		N/A	17.10	11:10	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	12.58	09:00	
MBCMW-8	11.95		2	7.60	09:01	
MBCMW-9	9.25		2	7.60	09:11	
MBCMW-10	51.75		2	9.87	09:12	
MCWP-MW01	152.88		6	11.43	08:50	
MCWP-MW02	148.20		6	12.42	10:18	
MCWP-MW03	136.65		6	8.70	10:26	
MCWP-MW04S	20.45		4	6.20	08:45	
MCWP-MW04D	149.20		4	10.53	08:49	
MCWP-MW05	154.40		4	9.13	08:15	
MCWP-MW06	138.15		2	11.2	10:20	
MCWP-MW07S	17.22		2	5.70	10:23	
MCWP-MW07D	129.60		2	8.60	10:25	
MCWP-MW08	79.38		2	8.86	10:45	
MCWP-MW09	89.60		2	6.81	10:37	
MCWP-MW10	22.23		2	8.30	09:40	
P-4	14.57		4	7.55	09:30	
P-9	13.90		4	7.85	09:30	
SMBRP-2	24.88		2	8.80	10:02	
SMBRP-6	23.45		2	17.60	10:09	
SMBRP-7B	25.13		2	10.38	09:16	
SMBRP-8 (EC-RC-MW01)	40.46		4	24.95	08:18	
SMBRP-9	45.40		2	35.06	08:10	
SMBRP-10C	25.00		2	5.82	08:30	
SMBRP-12	24.88		2	6.94	10:36	
SMBRP-13	19.48		2	8.55	10:44	
SMBRP-15B	8.40		1	N/A	10:50	Dry
SMBRP-16	25.00		2	3.95	08:59	
SMBRP-11	20.38		2	8.50	10:45	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	Monthly - September
Project:	Malibu CCWTF	**Date:**	September 23, 2020
Location:	Malibu, CA	**Measured By:**	Peter Doran

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50		N/A	6.94	12:22	
C-2	14.20		2	6.77	12:20	
CCPE	52.70		2	8.39	10:57	
CCPNE	24.10		2	8.96	11:00	
CCPSW	19.90		2	8.59	11:04	
CCW-4	12.30		1	6.00	10:12	
GH6-M1	35.20		2	27.19	09:53	
GH8-M3	40.21		2	26.65	09:50	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43		4	53.25	13:00	
M6-1	45.30		2	7.70	09:33	
M6-2	19.40		2	5.70	09:35	
M7-1	39.35		2	8.44	09:40	
M7-2	19.60		2	7.52	09:42	
MBCMW-5	19.40		N/A	17.62	09:45	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	12.95	10:04	
MBCMW-8	11.95		2	8.44	10:05	
MBCMW-9	9.25		2	8.07	10:19	
MBCMW-10	51.75		2	10.46	10:20	
MCWP-MW01	152.88		6	11.9	11:20	
MCWP-MW02	148.20		6	12.2	11:08	
MCWP-MW03	136.65		6	9.16	11:32	
MCWP-MW04S	20.45		4	6.95	11:18	
MCWP-MW04D	149.20		4	11.10	11:19	
MCWP-MW05	154.40		4	9.52	10:17	
MCWP-MW06	138.15		2	11.72	11:10	
MCWP-MW07S	17.22		2	5.72	11:30	
MCWP-MW07D	129.60		2	9.05	11:29	
MCWP-MW08	79.38		2	8.90	11:51	
MCWP-MW09	89.60		2	9.14	11:44	
MCWP-MW10	22.23		2	8.23	12:15	
P-4	14.57		4	7.14	10:48	
P-9	13.90		4	9.65	10:51	
SMBRP-2	24.88		2	8.68	10:42	
SMBRP-6	23.45		2	19.02	10:33	
SMBRP-7B	25.13		2	8.50	10:25	
SMBRP-8 (EC-RC-MW01)	40.46		4	25.94	12:50	
SMBRP-9	45.40		2	35.59	09:22	
SMBRP-10C	25.00		2	6.35	09:58	
SMBRP-12	24.88		2	7.06	11:46	
SMBRP-13	19.48		2	8.77	11:52	
SMBRP-15B	8.40		1	N/A	11:58	Well is dry
SMBRP-16	25.00		2	4.65	10:08	
SMBRP-11	20.38		2	8.65	11:35	

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 21, 2020
Observation Period **Start:** 08:18 **Stop:** 10:50	**Well Name:** SMBRP-7B
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	23
Well Diameter (in)	2	Depth of Well (ft)	25.1
Initial/Static Depth to Water (ft)	10.46	Length of Water Column (ft)	14.64
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.34	Three Casing Volumes (gal)	7.03
Purge Time Start	09:02	Purge Time Stop	09:16
Total Purge Time (min)	14	Purge Rate (gpm)	0.5
Purge Volume (gal)	7	Depth to Water (ft) at Sampling	12.15

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2.5 gal)	Volume 3 (4.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.3	22.5	22.2	22.5		23.8
pH	6.96	6.93	6.95	6.94		6.96
Conductivity (µs)	1239	1502	2797	3122		3292
Dissolved Oxygen (mg/L)	3.59	3.23	3.77	3.52		5.42
Dissolved Oxygen (%)	41	37.1	42.7	39		64.8
TDS (ppm)	849	1025	1919	2122		2192
Turbidity (NTU)	20.12	14.6	36.96	46.25		31

Depth to Water at End of Purge: 19.42	Drawdown: 8.96

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 76°F Clear
Comments:
Sampled Time: 10:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 10.46 + 0.2 * 8.96 = 12.25

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2020
Observation Period **Start:** 09:35 **Stop:** 11:00	**Well Name:** MCWP-MW09
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	88
Well Diameter (in)	2	Depth of Well (ft)	89.83
Initial/Static Depth to Water (ft)	6.74	Length of Water Column (ft)	83.09
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.29	Three Casing Volumes (gal)	39.88
Purge Time Start	09:53	Purge Time Stop	10:15
Total Purge Time (min)	22	Purge Rate (gpm)	1.82
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.74

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (13.5 gal)	Volume 3 (27 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	26.6	24.9	24.5			24.5
pH	7.26	7.18	7.18			7.18
Conductivity (µs)	3653	3635	3597			3597
Dissolved Oxygen (mg/L)	2.64	2.96	2.68			2.37
Dissolved Oxygen (%)	33.3	36.1	32.4			28.4
TDS (ppm)	2290	2365	2361			2361
Turbidity (NTU)	50.8	11.4	2.69			1.63

Depth to Water at End of Purge: 6.78	Drawdown: 0.04

Comments:

Miscellaneous Data
Condition of Traffic Box: Fair
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 10:40
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.74 + 0.2 * 0.04 = 6.75

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 20, 2020
Observation Period **Start:** 08:07 **Stop:** 08:35	**Well Name:** MCWP-MW10
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	21
Well Diameter (in)	2	Depth of Well (ft)	22.18
Initial/Static Depth to Water (ft)	7.95	Length of Water Column (ft)	14.23
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.2768	Three Casing Volumes (gal)	6.8304
Purge Time Start	08:17	Purge Time Stop	08:25
Total Purge Time (min)	7	Purge Rate (gpm)	1
Purge Volume (gal)	7	Depth to Water (ft) at Sampling	7.95

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (4.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.1	21.4	21.3			21.2
pH	6.95	7	7.02			7
Conductivity (µs)	3924	3050	2956			2932
Dissolved Oxygen (mg/L)	3.15	3.3	5.2			4.21
Dissolved Oxygen (%)	36.9	37.6	58.5			48.1
TDS (ppm)	2690	2128	2066			2051
Turbidity (NTU)	32.52	15.79	13.22			10.25

Depth to Water at End of Purge: 7.95	Drawdown: 0

Comments: Water has sulfur odor

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 72°F
Comments:
Sampled Time: 08:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.95 + 0.2 * 0 = 7.95

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 20, 2020
Observation Period **Start:** 08:45 **Stop:** 11:50	**Well Name:** MCWP-MW04D
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	142
Well Diameter (in)	4	Depth of Well (ft)	145.2
Initial/Static Depth to Water (ft)	10.51	Length of Water Column (ft)	134.69
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.5485	Three Casing Volumes (gal)	262.6455
Purge Time Start	08:54	Purge Time Stop	10:35
Total Purge Time (min)	100	Purge Rate (gpm)	2.63
Purge Volume (gal)	263	Depth to Water (ft) at Sampling	10.51

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (87 gal)	Volume 3 (174 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.6	21.9	22.8			29.9
pH	7.06	6.99	6.95			6.97
Conductivity (µs)	2168	2217	2280			2652
Dissolved Oxygen (mg/L)	4.28	2.81	3.6			2.14
Dissolved Oxygen (%)	48.9	32.3	41.5			28.6
TDS (ppm)	1503	1530	1542			1576
Turbidity (NTU)	3.83	1.06	0.64			4.49

Depth to Water at End of Purge: 10.51	Drawdown: 0

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 74°F
Comments:
Sampled Time: 11:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 10.51 + 0.2 * 0 = 10.51

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2020
Observation Period **Start:** 11:14 **Stop:** 11:52	**Well Name:** SMBRP-13
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	
Well Diameter (in)	2	Depth of Well (ft)	19.42
Initial/Static Depth to Water (ft)	8.23	Length of Water Column (ft)	11.19
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.79	Three Casing Volumes (gal)	5.37
Purge Time Start	11:30	Purge Time Stop	11:40
Total Purge Time (min)	10	Purge Rate (gpm)	0.55
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.23

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (3.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	24.2	21.9	22.3	22.3		22.5
pH	6.87	6.94	7.01	7.02		7.02
Conductivity (µs)	2366	2866	2854	2935		2882
Dissolved Oxygen (mg/L)	4.78	3.52	4.14	3.95		3.99
Dissolved Oxygen (%)	57.7	41.5	48.2	47		46.8
TDS (ppm)	1555	1950	1957	1964		1958
Turbidity (NTU)	4.54	8.01	7.86	8.13		6.9

Depth to Water at End of Purge: 8.23	Drawdown: 0

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 83°F
Comments:
Sampled Time: 11:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.23 + 0.2 * 0 = 8.23

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2020
Observation Period **Start:** 11:30 **Stop:** 12:15	**Well Name:** CCPE
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	50
Well Diameter (in)	2	Depth of Well (ft)	52.18
Initial/Static Depth to Water (ft)	8.04	Length of Water Column (ft)	44.14
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.0624	Three Casing Volumes (gal)	21.19
Purge Time Start	11:45	Purge Time Stop	12:05
Total Purge Time (min)	20	Purge Rate (gpm)	1.075
Purge Volume (gal)	21.5	Depth to Water (ft) at Sampling	8.05

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (7 gal)	Volume 3 (14 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	24.9	24.7	23.8			24
pH	6.82	6.8	6.8			6.8
Conductivity (µs)	6191	5941	6349			6447
Dissolved Oxygen (mg/L)	3.42	3.19	3.91			3.78
Dissolved Oxygen (%)	42	41	46.5			45.1
TDS (ppm)	4021	3859	4226			4279
Turbidity (NTU)	4.93	5.22	5.89			3.78

Depth to Water at End of Purge: 8.51	Drawdown: 0.47

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 12:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.04 + 0.2 * 0.47 = 8.13

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 21, 2020
Observation Period **Start:** 07:58 **Stop:** 10:30	**Well Name:** MCWP-MW05
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	148
Well Diameter (in)	4	Depth of Well (ft)	150.65
Initial/Static Depth to Water (ft)	9.13	Length of Water Column (ft)	141.52
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	91.99	Three Casing Volumes (gal)	275.96
Purge Time Start	08:10	Purge Time Stop	09:40
Total Purge Time (min)	90	Purge Rate (gpm)	3.07
Purge Volume (gal)	276	Depth to Water (ft) at Sampling	8.92

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (92 gal)	Volume 3 (182 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.4	20.4	20.5			21
pH	6.99	6.99	6.9			6.94
Conductivity (µs)	1886	1844	1901			1952
Dissolved Oxygen (mg/L)	3.73	2.68	2.3			2.09
Dissolved Oxygen (%)	41.3	29.9	25			23.5
TDS (ppm)	1344	1312	1342			1372
Turbidity (NTU)	3.53	0	0.8			1.44

Depth to Water at End of Purge: 8.92	Drawdown: -0.21

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 74°F Clear
Comments:
Sampled Time: 09:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 9.13 + 0.2 * -0.21 = 9.088

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2020
Observation Period **Start:** 12:16 **Stop:** 12:46	**Well Name:** MBCMW-9
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	
Well Diameter (in)	2	Depth of Well (ft)	9.25
Initial/Static Depth to Water (ft)	7.56	Length of Water Column (ft)	1.69
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.27	Three Casing Volumes (gal)	0.81
Purge Time Start	12:22	Purge Time Stop	12:29
Total Purge Time (min)	6	Purge Rate (gpm)	0.14
Purge Volume (gal)	0.82	Depth to Water (ft) at Sampling	7.51

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (0.27 gal)	Volume 3 (0.54 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)		23.1	22.9			23.2
pH		6.68	6.75			6.66
Conductivity (µs)		7339	7222			7273
Dissolved Oxygen (mg/L)		50.6	4.49			4.3
Dissolved Oxygen (%)		49.5	52.8			51.4
TDS (ppm)		4955	4894			4886
Turbidity (NTU)		14.7	95.72			18

Depth to Water at End of Purge: 9.25	Drawdown: 1.69

Comments: Dewatered at ~0.6 gal

Miscellaneous Data
Condition of Traffic Box: Fair
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 83°F
Comments: Insuf. Water for parameter at sampling
Sampled Time: 11:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.56 + 0.2 * 1.69 = 7.90

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2020
Observation Period **Start:** 09:20 **Stop:** 10:14	**Well Name:** MCWP-MW07S
Sampled By: PeterDoran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	16
Well Diameter (in)	2	Depth of Well (ft)	17.28
Initial/Static Depth to Water (ft)	5.76	Length of Water Column (ft)	11.52
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.84	Three Casing Volumes (gal)	5.53
Purge Time Start	09:25	Purge Time Stop	09:33
Total Purge Time (min)	7	Purge Rate (gpm)	0.57
Purge Volume (gal)	4	Depth to Water (ft) at Sampling	6.2

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	24.3	24.5				23
pH	7.17	7.19				7.19
Conductivity (µs)	2060	1952				2000
Dissolved Oxygen (mg/L)	3.36	3.9				4.18
Dissolved Oxygen (%)	40.2	46.3				50.1
TDS (ppm)	1354	1281				1302
Turbidity (NTU)	12.76	11.91				16.41

Depth to Water at End of Purge: 17.28	Drawdown: 11.52

Comments: Dewatered at 4 ft

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 10:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 5.76 + 0.2 * 11.52 = 8.06

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2020
Observation Period **Start:** 09:40 **Stop:** 12:30	**Well Name:** MCWP-MW07D
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	126
Well Diameter (in)	2	Depth of Well (ft)	128.22
Initial/Static Depth to Water (ft)	8.4	Length of Water Column (ft)	119.82
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.17	Three Casing Volumes (gal)	57.51
Purge Time Start	09:42	Purge Time Stop	10:11
Total Purge Time (min)	28	Purge Rate (gpm)	2.05
Purge Volume (gal)	57.5	Depth to Water (ft) at Sampling	8.5

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (19.5 gal)	Volume 3 (38.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	24.3	24	23.9	23.9		24.4
pH	7	7	7	7		6.5
Conductivity (µs)	2724	2796	2806	2808		940
Dissolved Oxygen (mg/L)	3.31	3.34	3.5	3.99		2.85
Dissolved Oxygen (%)	40	40.9	42.6	47.7		37.3
TDS (ppm)	1780	1853	1860	1865		564
Turbidity (NTU)	1.4	2.1	2.6	2.4		33

Depth to Water at End of Purge: 8.99	Drawdown: 0.59

Comments: Sulfur odor

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 11:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.4 + 0.2 * 0.59 = 8.52

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2020
Observation Period **Start:** 08:10 **Stop:** 09:10	**Well Name:** MCWP-MW06
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	135
Well Diameter (in)	2	Depth of Well (ft)	137.8
Initial/Static Depth to Water (ft)	11.3	Length of Water Column (ft)	126.5
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.24	Three Casing Volumes (gal)	60.72
Purge Time Start	08:23	Purge Time Stop	08:57
Total Purge Time (min)	34	Purge Rate (gpm)	1.79
Purge Volume (gal)	61	Depth to Water (ft) at Sampling	11.2

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (20 gal)	Volume 3 (40 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	25	22.4	23.3	22.5		23.4
pH	7.31	7.21	7.15	7.21		7.3
Conductivity (µs)	2139	1977	2017	1981		1737
Dissolved Oxygen (mg/L)	5.16	3.5	2.13	3.2		3.59
Dissolved Oxygen (%)	62.9	40	25.2	37		42.3
TDS (ppm)	1388	1347	1353	1347		1163
Turbidity (NTU)	82.3	13.1	11.2	14.54		18.59

Depth to Water at End of Purge: 11.62	Drawdown: 0.32

Comments:

Miscellaneous Data
Condition of Traffic Box: Missing bolt
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 76°F
Comments:
Sampled Time: 09:05
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 11.3 + 0.2 * 0.32 = 11.364

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2020
Observation Period **Start:** 10:40 **Stop:** 11:15	**Well Name:** SMBRP-11
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	20.05
Initial/Static Depth to Water (ft)	8.5	Length of Water Column (ft)	11.55
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.848	Three Casing Volumes (gal)	5.544
Purge Time Start	10:48	Purge Time Stop	10:54
Total Purge Time (min)	6	Purge Rate (gpm)	0.92
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.51

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (4 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	24.2	25.4	25.4	25.4		22.6
pH	6.72	6.73	6.73	6.73		6.81
Conductivity (µs)	2805	2592	2589	2591		2673
Dissolved Oxygen (mg/L)	2.77	3.55	3.28	3.16		4.01
Dissolved Oxygen (%)	33.2	43.3	40.1	38.7		53.6
TDS (ppm)	1823	1686	1683	1684		1604
Turbidity (NTU)	65	99.2	101.2	98.6		29.3

Depth to Water at End of Purge: 19.96	Drawdown: 11.46

Comments: Well dewatered at 6 gallons removed

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 82°F
Comments:
Sampled Time: 10:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.5 + 0.2 * 11.46 = 10.792

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2020
Observation Period **Start:** 08:45 **Stop:** 09:45	**Well Name:** LAMW-5S
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	72
Well Diameter (in)	4	Depth of Well (ft)	74.12
Initial/Static Depth to Water (ft)	53.84	Length of Water Column (ft)	20.28
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	13.18	Three Casing Volumes (gal)	39.55
Purge Time Start	09:10	Purge Time Stop	09:30
Total Purge Time (min)	20	Purge Rate (gpm)	1
Purge Volume (gal)	20	Depth to Water (ft) at Sampling	53.83

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (13.5 gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.1	23.1				26.9
pH	6.54	6.65				6.9
Conductivity (µs)	1017	1029				1090
Dissolved Oxygen (mg/L)	2.83	2.77				4.85
Dissolved Oxygen (%)	32.6	32.3				61
TDS (ppm)	661	669				683
Turbidity (NTU)	7.2	29.9				8.26

Depth to Water at End of Purge: 72.12	Drawdown: 18.28

Comments: Well dewatered at 20 gallons

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 09:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 53.84 + 0.2 * 18.28 = 57.496

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2020
Observation Period **Start:** 09:45 **Stop:** 10:25	**Well Name:** MCWP-MW04S
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	20
Well Diameter (in)	4	Depth of Well (ft)	20.27
Initial/Static Depth to Water (ft)	6.18	Length of Water Column (ft)	14.09
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.16	Three Casing Volumes (gal)	27.48
Purge Time Start	09:55	Purge Time Stop	10:15
Total Purge Time (min)	20	Purge Rate (gpm)	1
Purge Volume (gal)	20	Depth to Water (ft) at Sampling	6.18

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (9.5 gal)	Volume 3 (18.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23	23.3	23.6			26.5
pH	7.23	7.09	7.02			7.19
Conductivity (µs)	7895	7011	6588			6922
Dissolved Oxygen (mg/L)	1.92	2.15	2.22			4.11
Dissolved Oxygen (%)	22.9	25.9	26.6			52.1
TDS (ppm)	5132	4557	4282			4353
Turbidity (NTU)	7.4	1.7	1.07			7.5

Depth to Water at End of Purge: 19.96	Drawdown: 13.78

Comments: Well dewatered at 20 gallons removed

Miscellaneous Data
Condition of Traffic Box: Fair
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 12:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.18 + 0.2 * 13.78 = 8.936

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2020
Observation Period **Start:** 08:20 **Stop:** 10:30	**Well Name:** SMBRP-9
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Grundfos Redi-Flow 2 Pump	Pump Inlet Depth (ft)	44
Well Diameter (in)	2	Depth of Well (ft)	44.91
Initial/Static Depth to Water (ft)	35.06	Length of Water Column (ft)	9.85
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.576	Three Casing Volumes (gal)	4.728
Purge Time Start	08:32	Purge Time Stop	08:39
Total Purge Time (min)	7	Purge Rate (gpm)	0.71
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	35.05

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (1.5 gal)	Volume 3 (3 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	26.4	24.9	25.7	25.7		25.3
pH	6.95	6.99	6.99	7.04		6.99
Conductivity (µs)	2472	2493	2530	2484		2515
Dissolved Oxygen (mg/L)	3.44	5.07	4.89	5.17		5.83
Dissolved Oxygen (%)	43	61.8	60.4	64.7		71.7
TDS (ppm)	1565	1619	1619	1594		1624
Turbidity (NTU)	79.69	47.25	43.06	114.75		45.77

Depth to Water at End of Purge: 44.16	Drawdown: 9.10

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 09:05
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 35.06 + 0.2 * 9.10 = 36.88

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2020
Observation Period **Start:** 09:30 **Stop:** 10:30	**Well Name:** SMBRP-12
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	5
Well Diameter (in)	2	Depth of Well (ft)	24.57
Initial/Static Depth to Water (ft)	6.57	Length of Water Column (ft)	18
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.88	Three Casing Volumes (gal)	8.64
Purge Time Start	09:48	Purge Time Stop	09:53
Total Purge Time (min)	5	Purge Rate (gpm)	1.8
Purge Volume (gal)	9	Depth to Water (ft) at Sampling	6.57

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (3 gal)	Volume 3 (6 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	25.5	25.4	24.9			24.8
pH	6.99	6.98	6.96			6.95
Conductivity (µs)	3227	3169	3197			3180
Dissolved Oxygen (mg/L)	2.76	3.05	3			2.92
Dissolved Oxygen (%)	34.2	37.4	36			35
TDS (ppm)	2064	2044	2080			2072
Turbidity (NTU)	16.63	5.66	3.64			1.29

Depth to Water at End of Purge: 6.6	Drawdown: 0.030

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: 86°F
Comments:
Sampled Time: 10:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.57 + 0.2 * 0.030 = 6.576

Surface Water Sampling

Job No: 20-09665	**Event:** Third Quarter 2020
Project: Malibu CCWTF	**Date:** August 18, 2020
Location: Malibu, CA	**Sampled By:** Jaime McClain

CONDITIONS

Weather: 72-83	**Wind:** <3kts
Estuary Berm: Open	

DAILY TIDES

LOW	Time: 15:17	Feet: 1.8	**HIGH**	Time: 10:17	Feet: 4.3

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife
							Type, # On Land # In Water
N-001	08:37	Rough	Clear	Clear	None	None	N/A , 0, 0
N-002	08:50	Rough	Clear	Clear	None	None	N/A , 0, 0
N-003	09:04	Rough	Clear	Clear	None	None	N/A , 0, 0
N-004	10:04	Rough	Clear	Clear	None	None	N/A , 0, 0
L-001	10:30	N/A	Clear	Brown	None	Sheen	Mallard, 0, 17 Cormorant, 0, 2
L-002	10:53	N/A	Clear	Clear	None	Sheen	N/A , 0, 0
L-003	10:45	N/A	Clear	Clear	Ammonia	Sheen, Garbage	N/A , 0, 0
L-004	09:35	N/A	Clear	Clear	None	None	Terns, 55, 4
L-005	09:15	N/A	Clear	Clear	Rotten Eggs	None	SNPL, 10, 0 Western gull , 35, 0
L-006	09:45	N/A	Clear	Clear	Rotten Eggs	None	Mallard, 7, 0

Depth to Groundwater Measurements

-Job No:	20-09665	**Event:**	October Monthly
Project:	Malibu CCWTF	**Date:**	October 22, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter

Well ID	**Total Well Depth** (ft bTOC)		**Well Diameter**	**Depth to Water** (ft bTOC)	**Time**	**Notes/ Well Condition**
	Historical	Measured				
C-1	14.50		N/A	5.15	11:42	
C-2	14.20		2	4.9	11:43	
CCPE	52.70		2	5.95	12:29	
CCPNE	24.10		2	6.71	12:20	
CCPSW	19.90		2	6.68	12:38	
CCW-4	12.30		1	6.25	10:47	
GH6-M1	35.20		2	27.5	12:57	
GH8-M3	40.21		2	26.96	13:00	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43		4	54.3	13:13	
M6-1	45.30		2	7.2	13:03	
M6-2	19.40		2	5.7	13:04	
M7-1	39.35		2	8.28	12:49	
M7-2	19.60		2	7.68	12:50	
MBCMW-5	19.40		N/A	17.91	12:54	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	11.84	10:42	
MBCMW-8	11.95		2	8.62	10:44	
MBCMW-9	9.25		2	8.33	10:55	
MBCMW-10	51.75		2	9.23	10:56	
MCWP-MW01	152.88		6	10.86	10:12	
MCWP-MW02	148.20		6	11.12	12:43	
MCWP-MW03	136.65		6	8.28	10:00	
MCWP-MW04S	20.45		4	7.12	10:18	
MCWP-MW04D	149.20		4	10	10:16	
MCWP-MW05	154.40		4	8.38	10:50	
MCWP-MW06	138.15		2	10.47	12:41	
MCWP-MW07S	17.22		2	5.81	11:06	
MCWP-MW07D	129.60		2	8.17	10:01	
MCWP-MW08	79.38		2	7.9	11:21	
MCWP-MW09	89.60		2	6.19	11:14	
MCWP-MW10	22.23		2	5.99	11:40	
P-4	14.57		4	5.28	12:30	
P-9	13.90		4	5.28	12:28	
SMBRP-2	24.88		2	6.15	11:53	
SMBRP-6	23.45		2	18.51	12:15	
SMBRP-7B	25.13		2	9.86	11:00	
SMBRP-8 (EC-RC-MW01)	40.46		4	26.6	10:30	
SMBRP-9	45.40		2	35.98	10:25	
SMBRP-10C	25.00		2	6.51	10:34	
SMBRP-12	24.88		2	6.9	11:13	
SMBRP-13	19.48		2	8.17	11:19	
SMBRP-16	25.00		2	4.73	10:38	
SMBRP-11	20.38		2	8.42	10:07	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	November Monthly
Project:	Malibu CCWTF	**Date:**	November 16, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter & Peter Doran

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50	14.5	N/A	5.32	12:00	
C-2	14.20	14.5	2	5.21	12:01	
CCPE	52.70	52	2	6.22	10:35	
CCPNE	24.10		2	7	10:38	
CCPSW	19.90		2	6.86	10:44	
CCW-4	12.30		1	6.44	09:30	
GH6-M1	35.20	35	2	27.83	10:48	
GH8-M3	40.21	40	2	27.26	10:51	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43	74	4	55.1	00:24	
M6-1	45.30	45	2	7.15	10:58	
M6-2	19.40	20	2	5.8	10:59	
M7-1	39.35	40	2	8.36	10:40	
M7-2	19.60	25	2	7.85	10:41	
MBCMW-5	19.40	19.4	N/A	18.11	10:45	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15	52.5	2	11.55	10:30	
MBCMW-8	11.95	10	2	8.76	10:31	
MBCMW-9	9.25	9	2	8.34	11:39	
MBCMW-10	51.75	53	2	9.03	11:40	
MCWP-MW01	152.88	148	6	10.21	10:00	
MCWP-MW02	148.20	145	6	10.73	10:50	
MCWP-MW03	136.65	134	6	7.3	09:38	
MCWP-MW04S	20.45	20	4	7.26	09:57	
MCWP-MW04D	149.20	145	4	9.35	09:51	
MCWP-MW05	154.40	150	4	7.96	09:35	
MCWP-MW06	138.15	137	2	10.2	10:52	
MCWP-MW07S	17.22	20	2	6.1	09:31	
MCWP-MW07D	129.60	134	2	7.07	09:35	
MCWP-MW08	79.38	77	2	7.95	11:20	
MCWP-MW09	89.60	89	2	5.89	11:14	
MCWP-MW10	22.23	22	2	6.23	00:06	
P-4	14.57	12.5	4	5.51	10:27	
P-9	13.90	14.3	4	5.23	10:29	
SMBRP-2	24.88	25	2	6.61	10:20	
SMBRP-6	23.45	25	2	18.03	10:10	
SMBRP-7B	25.13	25	2	10.9	09:50	
SMBRP-8 (EC-RC-MW01)	40.46	60	4	26.95	10:17	
SMBRP-9	45.40	45	2	36.27	10:13	
SMBRP-10C	25.00	25	2	6.55	10:22	
SMBRP-12	24.88	25	2	7.35	11:13	
SMBRP-13	19.48	20	2	7.99	11:21	
SMBRP-16	25.00	25	2	4.88	10:29	
SMBRP-11	20.38	20	2	8.7	09:44	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	December Monthly
Project:	Malibu CCWTF	**Date:**	December 18, 2020
Location:	Malibu, CA	**Measured By:**	Michelle Carter

Well ID	Total Well Depth (ft bTOC)		Well Diameter	Depth to Water (ft bTOC)	Time	Notes/ Well Condition
	Historical	Measured				
C-1	14.50	14.5	N/A	6.48	11:04	Missing bolts
C-2	14.20	14.5	2	6.35	11:07	Missing bolts
CCPE	52.70	52	2	7.37	11:49	Lid does not sit evenly on well box due to repaving of the road.
CCPNE	24.10		2	7.93	11:44	
CCPSW	19.90		2	7.44	12:06	Missing bolts
CCW-4	12.30		1	6.58	13:05	
GH6-M1	35.20	35	2	28.12	13:30	
GH8-M3	40.21	40	2	27.5	13:33	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43	74	4	56.12	13:53	
M6-1	45.30	45	2	6.45	13:38	
M6-2	19.40	20	2	5.8	13:39	
M7-1	39.35	40	2	8.25	13:24	
M7-2	19.60	25	2	7.98	13:24	
MBCMW-5	19.40	19.4	N/A	18.18	13:28	
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15	52.5	2	10.95	12:58	Missing bolts
MBCMW-8	11.95	10	2	8.99	12:59	Missing bolts
MBCMW-9	9.25	9	2	8.4	13:10	
MBCMW-10	51.75	53	2	8.43	13:11	
MCWP-MW01	152.88	148	6	9.9	12:25	
MCWP-MW02	148.20	145	6	11.2	12:15	
MCWP-MW03	136.65	134	6	7.2	10:17	Missing bolts
MCWP-MW04S	20.45	20	4	7.44	00:20	
MCWP-MW04D	149.20	145	4	9.08	12:21	
MCWP-MW05	154.40	150	4	7.5	13:09	
MCWP-MW06	138.15	137	2	9.65	12:14	
MCWP-MW07S	17.22	20	2	5.99	10:24	Missing bolt
MCWP-MW07D	129.60	134	2	7.09	10:21	Missing bolts
MCWP-MW08	79.38	77	2	8.04	10:45	
MCWP-MW09	89.60	89	2	5.54	10:39	Missing bolt
MCWP-MW10	22.23	22	2	9.48	10:55	
P-4	14.57	12.5	4	6.65	11:59	Buried under bark in parking lot planter.
P-9	13.90	14.3	4	6.87	11:57	Buried under bark in parking lot planter.
SMBRP-2	24.88	22	2	8.38	11:29	
SMBRP-6	23.45	25	2	14.7	11:37	
SMBRP-7B	25.13	25	2	10.8	13:19	
SMBRP-8 (EC-RC-MW01)	40.46	60	4	27.29	12:37	
SMBRP-9	45.40	45	2	N/A	13:44	Parked over
SMBRP-10C	25.00	25	2	6.87	12:46	Active construction, Well lid removed. Crews indicated that the well will be preserved in a sidewalk.
SMBRP-12	24.88	25	2	7.35	10:36	
SMBRP-13	19.48	20	2	8.01	10:46	
SMBRP-16	25.00	25	2	5.1	00:50	Missing bolts
SMBRP-11	20.38	20	2	8.58	10:30	Missing bolt

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 18, 2020
Observation Period **Start:** 09:20 **Stop:** 12:15	**Well Name:** MCWP-MW04D
Sampled By: Peter Doran & Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	144
Well Diameter (in)	4	Depth of Well (ft)	145.2
Initial/Static Depth to Water (ft)	9.52	Length of Water Column (ft)	135.68
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.19	Three Casing Volumes (gal)	264.58
Purge Time Start	09:30	Purge Time Stop	11:55
Total Purge Time (min)	144	Purge Rate (gpm)	1.84
Purge Volume (gal)	265	Depth to Water (ft) at Sampling	9.52

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (88.5 gal)	Volume 3 (176.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	19.6	19.5	19.5	19.7		19.8
pH	7.07	7.03	7.05	6.99		7
Conductivity (µs)	1,871	1,988	2,003	2,042		2,022
Dissolved Oxygen (mg/L)	3.31	3.33	3.61	2.02		1.89
Dissolved Oxygen (%)	36.3	36.4	39.6	22.4		20.8
TDS (ppm)	1,357	1,446	1,456	1,463		1,456
Turbidity (NTU)	6.5	2.4	0.5	0.5		0.2

Depth to Water at End of Purge: 9.52	Drawdown: 0

Comments: -

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear
Comments:
Sampled Time: 12:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 9.52 + 0.2 * 0 = 9.52

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 18, 2020
Observation Period **Start:** 08:45 **Stop:** 12:00	**Well Name:** SMBRP-9
Sampled By: Peter Doran & Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	43
Well Diameter (in)	2	Depth of Well (ft)	44.83
Initial/Static Depth to Water (ft)	36.32	Length of Water Column (ft)	8.51
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.36	Three Casing Volumes (gal)	4.08
Purge Time Start	09:05	Purge Time Stop	09:13
Total Purge Time (min)	7	Purge Rate (gpm)	0.64
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	36.32

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (1.5 gal)	Volume 3 (3 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.4	21.5	22	21.8		22.7
pH	7.05	7.02	7.03	7.01		7.06
Conductivity (µs)	2,100	2,086	2,092	2,103		2,128
Dissolved Oxygen (mg/L)	4.34	3.85	2.37	3.67		5.76
Dissolved Oxygen (%)	48.5	43.9	27.3	42.1		66.9
TDS (ppm)	1,496	1,453	1,442	1,456		1,450
Turbidity (NTU)	44.2	17.1	11.6	15.7		9.28

Depth to Water at End of Purge: 42.67	Drawdown: 6.35

Comments: -

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, clear
Comments:
Sampled Time: 11:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 36.32 + 0.2 * 6.35 = 37.59

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 11:15 **Stop:** 00:20	**Well Name:** MCWP-MW09
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	88
Well Diameter (in)	2	Depth of Well (ft)	89.12
Initial/Static Depth to Water (ft)	5.81	Length of Water Column (ft)	83.31
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.33	Three Casing Volumes (gal)	39.99
Purge Time Start	11:28	Purge Time Stop	12:10
Total Purge Time (min)	42	Purge Rate (gpm)	0.95
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	5.83

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (13.5 gal)	Volume 3 (27 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.8	21.4	21.4	21.1		21
pH	7.19	7.13	7.18	7.11		7.11
Conductivity (µs)	3,840	3,821	3,780	3,801		3,918
Dissolved Oxygen (mg/L)	2.83	1.61	1.82	1.49		1.54
Dissolved Oxygen (%)	32.1	18.1	21.2	16.7		17.5
TDS (ppm)	2,659	2,669	2,638	2,671		2,757
Turbidity (NTU)	6.1	4.8	3.6	1.4		1.5

Depth to Water at End of Purge: 6.74	Drawdown: 0.93

Comments: -

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 12:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 5.81 + 0.2 * 0.93 = 6.00

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 11:25 **Stop:** 11:45	**Well Name:** MCWP-MW04S
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	19
Well Diameter (in)	4	Depth of Well (ft)	20.48
Initial/Static Depth to Water (ft)	7.25	Length of Water Column (ft)	13.23
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.60	Three Casing Volumes (gal)	25.80
Purge Time Start	11:25	Purge Time Stop	11:45
Total Purge Time (min)	20	Purge Rate (gpm)	1
Purge Volume (gal)	20	Depth to Water (ft) at Sampling	11.1

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (9 gal)	Volume 3 (17.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.6	24	23.8			21.6
pH	7	7.1	7.18			7.3
Conductivity (µs)	6,431	6,106	6,701			5,797
Dissolved Oxygen (mg/L)	3.31	4.27	3.71			7.84
Dissolved Oxygen (%)	39.9	51.7	44.9			90.9
TDS (ppm)	4,291	4,048	4,460			4,025
Turbidity (NTU)	6.1	3.9	4.7			3.7

Depth to Water at End of Purge: 20.06	Drawdown: 12.81

Comments: Well dewatered at 20 gallons. Slow Recharge (over 24 hours)

Miscellaneous Data
Condition of Traffic Box: good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 12:20
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.25 + 0.2 * 12.81 = 9.81

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 11:00 **Stop:** 11:45	**Well Name:** SMBRP-12
Sampled By: Michelle Carter & Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	23
Well Diameter (in)	2	Depth of Well (ft)	24.64
Initial/Static Depth to Water (ft)	7.36	Length of Water Column (ft)	17.28
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.76	Three Casing Volumes (gal)	8.29
Purge Time Start	11:07	Purge Time Stop	11:12
Total Purge Time (min)	5	Purge Rate (gpm)	1.7
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.37

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (3 gal)	Volume 3 (5.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.6	23.1	23.2	23.3		23
pH	6.84	6.85	6.86	6.86		6.93
Conductivity (µs)	4,731	5,006	5,080	5,089		4,507
Dissolved Oxygen (mg/L)	2.99	2.38	2.26	2.24		3.31
Dissolved Oxygen (%)	35.1	28.3	26.8	26.4		39.1
TDS (ppm)	3,223	3,377	3,406	3,417		3,045
Turbidity (NTU)	113	12.5	6.98	6.68		71

Depth to Water at End of Purge: 8.02	Drawdown: 0.66

Comments: -

Miscellaneous Data
Condition of Traffic Box:
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 11:25
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.36 + 0.2 * 0.66 = 7.49

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 09:30 **Stop:** 11:00	**Well Name:** MCWP-MW07S
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	16
Well Diameter (in)	2	Depth of Well (ft)	17.22
Initial/Static Depth to Water (ft)	6.08	Length of Water Column (ft)	11.14
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.78	Three Casing Volumes (gal)	5.35
Purge Time Start	09:52	Purge Time Stop	10:00
Total Purge Time (min)	7	Purge Rate (gpm)	0.71
Purge Volume (gal)	5	Depth to Water (ft) at Sampling	7.4

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (4 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.6	20.6	20.6			21.1
pH	7.21	7.18	7.16			7.26
Conductivity (µs)	1,849	1,847	1,847			1,741
Dissolved Oxygen (mg/L)	3.96	2.86	2.72			6.1
Dissolved Oxygen (%)	44.3	31.4	30.5			67.5
TDS (ppm)	1,313	1,312	1,312			1,226
Turbidity (NTU)	9.3	8.4	7.75			5.49

Depth to Water at End of Purge: 16.87	Drawdown: 10.79

Comments: Well dewatered @ 5 gallons

Miscellaneous Data
Condition of Traffic Box: Missing Bolt
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Clear, 77°F
Comments:
Sampled Time: 10:35
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.08 + 0.2 * 10.79 = 8.24

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Fourth Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** November 17, 2020
Observation Period **Start:** 09:00 **Stop:** 11:00	**Well Name:** MCWP-MW07D
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	126.50
Well Diameter (in)	2	Depth of Well (ft)	128.02
Initial/Static Depth to Water (ft)	7.38	Length of Water Column (ft)	120.64
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.30	Three Casing Volumes (gal)	57.91
Purge Time Start	09:30	Purge Time Stop	10:12
Total Purge Time (min)	42	Purge Rate (gpm)	1.38
Purge Volume (gal)	58	Depth to Water (ft) at Sampling	7.38

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (19.5 gal)	Volume 3 (39 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	19.8	21.2	21.3	21.3		21.3
pH	7.3	7.29	7.27	7.27		7.28
Conductivity (µs)	1,724	1,793	1,801	1,805		1,825
Dissolved Oxygen (mg/L)	2.24	1.82	1.8	1.79		2.28
Dissolved Oxygen (%)	24.6	20.6	20.4	20.3		25.9
TDS (ppm)	1,245	1,256	1,260	1,262		1,276
Turbidity (NTU)	1.5	1.2	1.4	1.1		1

Depth to Water at End of Purge: 7.46	Drawdown: 0.080

Comments: -

Miscellaneous Data
Condition of Traffic Box: Missing Bolts
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Sunny, Calm, 77°F
Comments:
Sampled Time: 10:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.38 + 0.2 * 0.080 = 7.40

Surface Water Sampling

Job No: 20-09665	**Event:** Surface Water 4th Quarter
Project: Malibu CCWTF	**Date:** November 18, 2020
Location: Malibu, CA	**Sampled By:** Jaime McClain & James Grunden

CONDITIONS

Weather: Sunny, Clear	**Wind:** Calm
Estuary Berm:	

DAILY TIDES

LOW	Time: 04:23AM	Feet: 2.53	**HIGH**	Time:10:34AM	Feet: 6.27

VISUAL OBSERVATIONS

		Sea State	**Water Clarity**	**Water Color**	**Odors**	**Floatables**	**Birds/Wildlife**
Location	**Time**						Type, # On Land # In Water
N-001	12:40 PM	Rough	Clear	Clear	None	None	Long Billed Curlew, 1, 0 Brown Pelican, 0, 1
N-002	12:55 PM	Rough	Clear	Clear	None	None	Sanderlings, 12, 0 Long Billed Curlew, 1, 0
N-003	11:05 AM	Rough	Clear	Clear	None	None	Western Gull, 200, 0 Hermans Gull, 50, 0 Brown Pelican, 5, 0
N-004	11:50 AM	Rough	Clear	Clear	None	None	Killdeer, 1, 0 Western Gull, 0, 1
L-001	09:25 AM	Calm	Cloudy	Brown	None	None	American Coot, 0, 8
L-002	10:05 AM	Calm	Cloudy	Brown	None	Garbage	American Coot, 0, 29
L-003	09:43 AM	Calm	Cloudy	Gray	None	Garbage	American Coot, 0, 75
L-004	10:20	Calm	Cloudy	Brown	None	Garbage	Western Gull, 0, 5 American Coot, 0, 31
L-005	11:20	Calm	Cloudy	Brown	None	None	Western Gull, 35, 53 American Coot, 0, 45 Brown Pelican, 0, 4 Double Crested Cormorant, 0, 3
L-006	10:36	Calm	Cloudy	Brown	None	Sheen	Double Crested Cormorant, 0, 2 Bufflehead, 0, 5 Clarks Grebes, 0, 5 American Coot, 0, 13

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

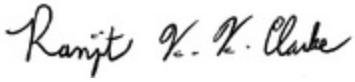
Lab Job Number: 425378
Report Level: II
Report Date: 03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425378
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/03/20

Sample ID	Lab ID	Collected	Matrix
LAMW-5S	425378-001	03/03/20 10:00	Water
SMBRP-11	425378-002	03/03/20 10:15	Water
MCWP-MW04S	425378-003	03/03/20 11:30	Water
MCWP-MW04D	425378-004	03/03/20 13:30	Water
MBCMW-9	425378-005	03/03/20 10:30	Water
SMBRP-7B	425378-006	03/03/20 09:45	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number: 425378 Location: Malibu - Quarterly/Semi-Annual Date Received: 03/03/20

This data package contains sample and QC results for six water samples, requested for the above referenced project on 03/03/20. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):
Low recoveries were observed for chloride in the MS/MSD for batch 242805; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):
Matrix spikes were not performed for this analysis due to insufficient sample volume. No analytical problems were encountered.

Total Notrogen, by Calculation (TOTAL NITROGEN):
No analytical problems were encountered.

Organic Nitrogen, by Calculation (ORGANIC NITROGEN):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Free Chlorine (SM 4500-CL-G):
No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):
No analytical problems were encountered.

Soluble Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Odor (SM 2150B):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

Color by Visual Comparison (SM2120B):
No analytical problems were encountered.

Surfactants (MBAS) (SM5540C):
No analytical problems were encountered.

Total Coliform / E. coli by Quanti-Tray (SM 9223Bb):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425378	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 2	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
LAMW-5S	3-3-20	1000	W			X	X	X	X	X	X	X	X	
~~SMBRP-9~~						X	X	X	X	X	X	X	X	MC
SMBRP-11	3-3-20	1015	W			X	X	X	X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	X	X	X	MC
MCWP-MW04S	3-3-20	1130	W			X	X	X	X	X	X	X	X	
MCWP-MW04D	3-3-20	1330	W			X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC.	3-3-20 / 1353
[1] Received By:		Henry G	EA	3-3-20 / 13:53
[2] Relinquished By:		Henry G	EA	3-3-20 / 16:35
[2] Received By:		FERNANDO DUN	EA	3/3/20 1635
[3] Relinquished 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:	425378			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	2	of	2	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
~~SMBRP-13~~						~~X~~	~~X~~	~~X~~	~~X~~	MC
~~MCWP-MW10~~						~~X~~	~~X~~	~~X~~	~~X~~	MC
~~CGPE~~						~~X~~	~~X~~	~~X~~	~~X~~	MC
MBCMW-9	3-3-20	1030	W			X	X	X	X	
SMBRP-7B	3-3-20	0945	W			X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC	3-3-20 / 1353
[1] Received By:		Henri Gr.	Enthalpy	3-3-20 / 13:53
[2] Relinquished By:		Henri Gr	Enthalpy	3-3-20 / 16:35
[2] Received By:		FEDEX	ER	3/3/20 1635
[3] Relinquished By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 03/03/20 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): Ambie

Sample Temp (°C), One from each cooler: #1: 6.1 #2: 2.5 #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: 5.0 #2: 3.9 #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: 3/3/20

ENTHALPY ANALYTICAL

Analysis Results for 425378

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425378
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/03/20

Sample ID: LAMW-5S **Lab ID: 425378-001** **Collected: 03/03/20 10:00**
Matrix: Water

425378-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.22**		mg/L	0.050	0.030	1	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**110**		mg/L	1.0	0.086	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Nitrogen, Nitrate	**4.3**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Sulfate	**69**		mg/L	1.0	0.077	1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Nitrogen, Nitrate/Nitrite	**4.3**		mg/L	0.10		1	242804	03/03/20 12:00	03/03/20 23:47	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.46**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.38**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**6.95**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**19.10**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.082**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.1**		mg/L	0.10	0.050	5	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**7.9**		mg/L	2.0	0.18	2	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**820**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2120B										
Color	**30**		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**6.9**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**510**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**30**		mg/L	0.6	0.6	1.1	242834	03/03/20	03/03/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**48**		mg/L	3.0		1	242847	03/04/20 08:59	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.035**	J	mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.8**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: SMBRP-11	Lab ID: 425378-002	Collected: 03/03/20 10:15
	Matrix: Water	

425378-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	1.5	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.63**		mg/L	0.050	0.030	1	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**270**		mg/L	10	0.86	10	242804	03/03/20 12:00	03/04/20 02:57	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 00:06	RKV
Nitrogen, Nitrate	**3.5**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 00:06	RKV
Sulfate	**420**		mg/L	10	0.77	10	242804	03/03/20 12:00	03/04/20 02:57	RKV
Nitrogen, Nitrate/Nitrite	**3.5**		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 00:06	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.1**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.80**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**6.93**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**18.60**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**1.3**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.016**	J	mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**4.5**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**1,400**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**240**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**270**		mg/L	2.0	2.0	4	242834	03/03/20	03/03/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**6.9**		mg/L	3.0		1	242847	03/04/20 09:02	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**1.6**		mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**5.6**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: MCWP-MW04S	Lab ID: 425378-003	Collected: 03/03/20 11:30
	Matrix: Water	

425378-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.7**		mg/L	0.25	0.15	5	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**700**		mg/L	20	1.7	20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Nitrogen, Nitrate	ND		mg/L	2.0	0.24	20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Sulfate	**2,800**		mg/L	50	3.9	50	243079	03/10/20 12:00	03/10/20 18:33	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	2.0		20	242805	03/04/20 09:00	03/04/20 11:08	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.82**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.71**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**7.32**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**18.80**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.11**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.34**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**17**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**48**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2120B										
Color	**50**		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**2.0**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,300**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.1**		mg/L	0.6	0.6	1.1	242885	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.5**		mg/L	3.0		1	242847	03/04/20 09:05	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.12**		mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.82**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: MCWP-MW04D	Lab ID: 425378-004	Collected: 03/03/20 13:30
	Matrix: Water	

425378-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.6**	J	mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.83**		mg/L	0.050	0.030	1	242829	03/03/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**250**		mg/L	10	0.86	10	242804	03/03/20 12:00	03/04/20 03:35	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 00:44	RKV
Nitrogen, Nitrate	**1.4**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 00:44	RKV
Sulfate	**510**		mg/L	10	0.77	10	242804	03/03/20 12:00	03/04/20 03:35	RKV
Nitrogen, Nitrate/Nitrite	**1.4**		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 00:44	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242827	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242844	03/04/20 13:26	03/04/20 13:26	WWC
Method: SM 4500-H+ B										
pH	**7.18**	H	SU			1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Temperature	**19.00**	H	deg C	1.00		1	242883	03/04/20 15:00	03/04/20 15:00	JTB
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.074**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**2.3**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	242828	03/04/20 10:45	03/04/20 10:45	JTB
Method: SM2130B										
Turbidity	**3.0**		NTU	0.10	0.07	1	242825	03/04/20 10:45	03/04/20 10:45	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

425378-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	242953	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6	0.6	1.1	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242847	03/04/20 09:09	03/09/20 10:00	ECC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	242937	03/05/20 07:00	03/05/20 15:28	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.4**		mg/L			1	243063	03/10/20	03/10/20	SLL

Sample ID: MBCMW-9 **Lab ID: 425378-005** **Collected: 03/03/20 10:30**
Matrix: Water

425378-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 01:03	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 01:03	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 01:03	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.99**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.4**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**290**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,700**		mg/L	20		2	242953	03/06/20	03/07/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425378

Sample ID: SMBRP-7B	Lab ID: 425378-006	Collected: 03/03/20 09:45
	Matrix: Water	

425378-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242804	03/03/20 12:00	03/04/20 01:22	RKV
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.01	1	242804	03/03/20 12:00	03/04/20 01:22	RKV
Nitrogen, Nitrate/Nitrite	**1.2**		mg/L	0.10		1	242804	03/03/20 12:00	03/04/20 01:22	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.31**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.099**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.17**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**360**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 14:30	CCO
Coliform, Total	**1,400**		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242799	03/03/20 17:20	03/04/20 13:10	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**990**		mg/L	20		2	242953	03/06/20	03/07/20	WWC

< Value is less than indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC861465	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861465 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type: Lab Control Sample	**Lab ID:** QC861466	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861466 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.450	2.500	mg/L	98%		80-120

Type: Matrix Spike	**Lab ID:** QC861467	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861467 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC861468	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861468 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	0	20	1

Type: Blank	**Lab ID:** QC861216	**Batch:** 242805
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC861216 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/04/20 09:00	03/04/20 10:30
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/04/20 09:00	03/04/20 10:30
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/04/20 09:00	03/04/20 10:30
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/04/20 09:00	03/04/20 10:30

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861217**	**Batch:**	**242805**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861217 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	98.40	100.0	mg/L	98%		90-110
Nitrogen, Nitrite	9.237	9.150	mg/L	101%		90-110
Nitrogen, Nitrate	8.652	9.030	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861218**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425402-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861218 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	171.0	86.56	100.0	mg/L	84%		80-120	1
Nitrogen, Nitrite	9.013	0	9.150	mg/L	99%		80-120	1
Nitrogen, Nitrate	13.12	4.285	9.030	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861219**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425402-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861219 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	171.2	86.56	100.0	mg/L	85%		80-120	0	20	1
Nitrogen, Nitrite	9.033	0	9.150	mg/L	99%		80-120	0	20	1
Nitrogen, Nitrate	13.17	4.285	9.030	mg/L	98%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861356**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425437-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861356 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	234.0	166.7	100.0	mg/L	67%	*	80-120	1
Nitrogen, Nitrite	8.844	0	9.150	mg/L	97%		80-120	1
Nitrogen, Nitrate	12.12	3.202	9.030	mg/L	99%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861357**	**Batch:**	**242805**
Matrix (Source ID):	**Drinking Water (425437-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861357 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	235.3	166.7	100.0	mg/L	69%	*	80-120	1	20	1
Nitrogen, Nitrite	9.030	0	9.150	mg/L	99%		80-120	2	20	1
Nitrogen, Nitrate	12.29	3.202	9.030	mg/L	101%		80-120	1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861253**	**Batch:**	**242825**
Matrix (Source ID):	**Water (425378-001)**	**Method:**	**SM2130B**		

QC861253 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	6.850	6.900	NTU		1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861380**	**Batch:**	**242883**
Matrix (Source ID):	**Water (425423-001)**	**Method:**	**SM 4500-H+ B**		

QC861380 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	9.120	9.130	SU		0	20	1
Temperature	20.10	20.20	deg C		0	20	1

Type:	**Blank**	**Lab ID:**	**QC861258**	**Batch:**	**242829**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861258 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	03/03/20	03/04/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861259**	**Batch:**	**242829**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861259 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.866	2.000	mg/L	93%		85-115

Batch QC

Type:	Sample Spike	Lab ID:	QC861260	Batch:	242829
Matrix (Source ID):	Water (425351-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC861260 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.112	0.1474	1.000	mg/L	96%		75-125	1

Type:	Sample Spike	Lab ID:	QC861261	Batch:	242829
Matrix (Source ID):	Water (425394-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC861261 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.249	0.1195	1.000	mg/L	113%		75-125	1

Type:	Blank	Lab ID:	QC861311	Batch:	242847
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC861311 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/04/20 08:30	03/09/20 10:00

Type:	Lab Control Sample	Lab ID:	QC861312	Batch:	242847
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC861312 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	208.0	198.0	mg/L	105%		84.6-115.4

Type:	Blank	Lab ID:	QC861495	Batch:	242937
Matrix:	Water	Method:	SM5540C		

QC861495 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/05/20 07:00	03/05/20 15:28

Batch QC

Type: Lab Control Sample	**Lab ID:** QC861496	**Batch:** 242937
Matrix: Water	**Method:** SM5540C	

QC861496 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.094	1.000	mg/L	109%		90-110

Type: Matrix Spike	**Lab ID:** QC861497	**Batch:** 242937
Matrix (Source ID): Water (425378-004)	**Method:** SM5540C	

QC861497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.046	0	1.000	mg/L	105%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC861498	**Batch:** 242937
Matrix (Source ID): Water (425378-004)	**Method:** SM5540C	

QC861498 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.039	0	1.000	mg/L	104%		80-120	1	20	1

Type: Sample Duplicate	**Lab ID:** QC861257	**Batch:** 242828
Matrix (Source ID): Water (425378-001)	**Method:** SM2120B	

QC861257 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	30.00	30.00	ColorUnits		0	20	1

Type: Sample Duplicate	**Lab ID:** QC861256	**Batch:** 242827
Matrix (Source ID): Water (425378-001)	**Method:** SM 2150B	

QC861256 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	<1.000	0	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861530	Batch: 242953
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861530 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/06/20	03/07/20

Type: Lab Control Sample	Lab ID: QC861531	Batch: 242953
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861531 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	93.00	95.00	mg/L	98%		90-110

Type: Sample Duplicate	Lab ID: QC861532	Batch: 242953
Matrix (Source ID): Water (425424-001)	Method: SM2540C	Prep Method: METHOD

QC861532 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,510	1536	mg/L		2	5	2

Type: Blank	Lab ID: QC861830	Batch: 243079
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC861830 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.077	03/10/20 12:00	03/10/20 16:26

Type: Lab Control Sample	Lab ID: QC861831	Batch: 243079
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC861831 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	49.48	50.00	mg/L	99%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC861832**	**Batch:**	**243079**
Matrix (Source ID):	**Drinking Water (425606-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861832 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	189.6	149.7	50.00	mg/L	80%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861833**	**Batch:**	**243079**
Matrix (Source ID):	**Drinking Water (425606-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861833 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	199.1	149.7	50.00	mg/L	99%		80-120	5	20	10

Type:	**Blank**	**Lab ID:**	**QC861384**	**Batch:**	**242886**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861384 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/04/20	03/04/20

Type:	**Sample Duplicate**	**Lab ID:**	**QC861385**	**Batch:**	**242886**
Matrix (Source ID):	**Water (425441-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861385 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	422.0	439.0	mg/L		4	5	10

Type:	**Blank**	**Lab ID:**	**QC861672**	**Batch:**	**243013**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC861673	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC861674	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC861675	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

Type: Blank	Lab ID: QC861302	Batch: 242844
Matrix: Water	Method: SM 4500-CL-G	

QC861302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	03/04/20 13:26	03/04/20 13:26

Type: Lab Control Sample	Lab ID: QC861303	Batch: 242844
Matrix: Water	Method: SM 4500-CL-G	

QC861303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9290	1.000	mg/L	93%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC861304	Batch:	242844
Matrix (Source ID):	Water (425378-002)	Method:	SM 4500-CL-G		

QC861304 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	<0.1000	0	mg/L			20	1

Type:	Blank	Lab ID:	QC861656	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	Lab Control Sample	Lab ID:	QC861657	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC861658	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.10	0	12.50	mg/L	105%		90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861659	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.00	0	12.50	mg/L	104%		90-110	1	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC861664**	**Batch: 243006**
Matrix: Water	**Method: SM 5310B**	

QC861664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	03/09/20	03/09/20

Type: Lab Control Sample	**Lab ID: QC861665**	**Batch: 243006**
Matrix: Water	**Method: SM 5310B**	

QC861665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.695	10.00	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC861666**	**Batch: 243006**
Matrix (Source ID): Water (425462-004)	**Method: SM 5310B**	

QC861666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.94	9.297	20.00	mg/L	103%		80-120	2

Type: Matrix Spike Duplicate	**Lab ID: QC861667**	**Batch: 243006**
Matrix (Source ID): Water (425462-004)	**Method: SM 5310B**	

QC861667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.36	9.297	20.00	mg/L	105%		80-120	1	20	2

Type: Blank	**Lab ID: QC861272**	**Batch: 242834**
Matrix: Water	**Method: SM2540D**	**Prep Method: METHOD**

QC861272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/03/20	03/03/20

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC861273**	**Batch:**	**242834**
Matrix (Source ID):	**Water (425361-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861273 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	52.00	52.40	mg/L		1	5	4

Type:	**Blank**	**Lab ID:**	**QC861382**	**Batch:**	**242885**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861382 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/04/20	03/04/20

Type:	**Sample Duplicate**	**Lab ID:**	**QC861383**	**Batch:**	**242885**
Matrix (Source ID):	**Water (425066-003)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC861383 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	392.0	408.0	mg/L		4	5	20

Type:	**Blank**	**Lab ID:**	**QC861459**	**Batch:**	**242921**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/05/20	03/06/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861460**	**Batch:**	**242921**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.90	40.00	mg/L	87%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861461**	**Batch:**	**242921**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861461 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.40	40.00	mg/L	94%		78-114	7	18

Type:	**Blank**	**Lab ID:**	**QC861210**	**Batch:**	**242804**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861210 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/03/20 12:00	03/03/20 14:34
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/03/20 12:00	03/03/20 14:34
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/03/20 12:00	03/03/20 14:34
Sulfate	ND		mg/L	1.0	0.077	03/03/20 12:00	03/03/20 14:34
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/03/20 12:00	03/03/20 14:34

Type:	**Lab Control Sample**	**Lab ID:**	**QC861211**	**Batch:**	**242804**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861211 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	99.31	100.0	mg/L	99%		90-110
Nitrogen, Nitrite	9.141	9.150	mg/L	100%		90-110
Nitrogen, Nitrate	8.846	9.030	mg/L	98%		90-110
Sulfate	47.75	50.00	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861212**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425369-010)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861212 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	126.3	24.02	100.0	mg/L	102%		80-120	1
Nitrogen, Nitrite	9.611	0	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	15.90	6.861	9.030	mg/L	100%		80-120	1
Sulfate	94.73	45.38	50.00	mg/L	99%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861213**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425369-010)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861213 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	127.3	24.02	100.0	mg/L	103%		80-120	1	20	1
Nitrogen, Nitrite	9.748	0	9.150	mg/L	107%		80-120	1	20	1
Nitrogen, Nitrate	16.08	6.861	9.030	mg/L	102%		80-120	1	20	1
Sulfate	95.03	45.38	50.00	mg/L	99%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861214**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425379-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861214 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	117.8	16.85	100.0	mg/L	101%		80-120	1
Nitrogen, Nitrite	9.366	0	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	11.57	2.504	9.030	mg/L	100%		80-120	1
Sulfate	81.78	33.66	50.00	mg/L	96%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861215**	**Batch:**	**242804**
Matrix (Source ID):	**Drinking Water (425379-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	117.5	16.85	100.0	mg/L	101%		80-120	0	20	1
Nitrogen, Nitrite	9.355	0	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	11.53	2.504	9.030	mg/L	100%		80-120	0	20	1
Sulfate	81.54	33.66	50.00	mg/L	96%		80-120	0	20	1

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

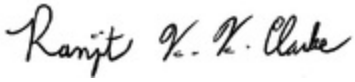
Lab Job Number:	425441
Report Level:	II
Report Date:	03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425441
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	425441-001	03/04/20 10:15	Water
SMBRP-12	425441-002	03/04/20 11:30	Water
MCWP-MW07S	425441-003	03/04/20 13:15	Water
MCWP-MW09	425441-004	03/04/20 11:15	Water
SMBRP-13	425441-005	03/04/20 12:15	Water
MCWP-MW10	425441-006	03/04/20 13:00	Water
MCWP-MW	425441-007	03/04/20 10:10	Water

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:	425491			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 FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		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.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X			MC
SMBRP-9	3-4-20	1015	W			X	X	X	X	X	X	X	X			
~~SMBRP-11~~						X	X	X	X	X	X	X	X			MC
SMBRP-12	3-4-20	1130	W			X	X	X	X	X	X	X	X			
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			MC
MCWP-MW07S	3-4-20	1315	W			X	X	X	X	X	X	X	X			
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			MC
MCWP-MW09	3-4-20	1115	W			X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants, Inc.	3/4/20 / 1410
1 Received By:		Henry G.	Enthalpy	3/4/20 / 1410
2 Relinquished By:		Henry G.	EA	3/4/20 / 16:45
2 Received By:		EA	EA / Lab tech	3/4/20 1642
3 Relinquished 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: 425491				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 - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
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.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
SMBRP-13	3-4-20	1215	W			X	X	X	X	
MCWP-MW10	3-4-20	1300	W			X	X	X	X	
~~CCPE~~						X	X	X	X	Mc
~~MBCMW-9~~						X	X	X	X	Mc
~~SMBRP-7B~~						X	X	X	X	Mc

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants Inc.	3/4/20 / 1410
1 Received By:		Henri G.	Enthalpy	3/4/20 1410
2 Relinquished By:		Henri G.	EA	3/4/20 / 16:45
2 Received By:		G Kim	EA	3/4/20 1645
3 Relinquished By:				

4 of 27

28 1.9

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425441	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 c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		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 300.0: NO3	TDS	Test Instructions / Comments
~~MCWP-MW05~~						X	X	MC
MCWP-MW06	3-4-20	1010	W			X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants Inc.	3/4/20 / 1410
1 Received By:		Henry Gu	Enthalpy	3/4/20 1410
2 Relinquished By:		Henry Gu	EA	3/4/20 / 16:45
2 Received By:		G Kim	EA	3/4/20 1645
3 Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly/Semi-Annual

Date Received: 3/4/20

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 6.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/4/20

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Analysis Results for 425441

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425441
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID: SMBRP-9 **Lab ID: 425441-001** **Collected: 03/04/20 10:15**
Matrix: Water

425441-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.4**	J	mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.48**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**150**		mg/L	1.0	0.086	1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Nitrogen, Nitrate	**0.89**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Sulfate	**210**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 05:16	RKV
Nitrogen, Nitrate/Nitrite	**0.89**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 02:25	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.35**	J	mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.15**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**8.80**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.072**	J	mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.099**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**9.3**		mg/L	2.0	0.18	2	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

425441-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**110**		NTU	0.10	0.07	1	242877	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**440**		mg/L	5.0	5.0	10	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242848	03/04/20 18:20	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.39**		mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.2**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

Sample ID: SMBRP-12	Lab ID: 425441-002	Collected: 03/04/20 11:30
	Matrix: Water	

425441-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.54**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	1.0	0.086	1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Sulfate	**150**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 05:35	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 03:22	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**6.2**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.50**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.13**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**5.80**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**5.7**		mg/L	0.50	0.050	5	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.5**		mg/L	0.10	0.050	5	243016	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**6.3**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**23**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**49**		NTU	0.10	0.07	1	242877	03/04/20 16:25	03/04/20 16:25	JTB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

425441-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**110**		mg/L	2.0	2.0	4	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.9**		mg/L	3.0		1	242848	03/04/20 18:22	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.30**		mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**6.2**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

Sample ID: MCWP-MW07S	Lab ID: 425441-003	Collected: 03/04/20 13:15
	Matrix: Water	

425441-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.29**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	1.0	0.086	1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Nitrogen, Nitrate	**4.1**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Sulfate	**240**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 05:54	RKV
Nitrogen, Nitrate/Nitrite	**4.1**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 03:41	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.40**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.16**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.63**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**6.00**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.24**		mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**3.9**		mg/L	2.0	0.18	2	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	**38**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**250**		NTU	0.10	0.07	1	242929	03/05/20 09:30	03/05/20 09:30	JTB

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

425441-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**300**		mg/L	2.0	2.0	4	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242848	03/04/20 18:24	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.28**		mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.5**		mg/L			1	243063	03/10/20	03/10/20	SLL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

Sample ID: MCWP-MW09	Lab ID: 425441-004	Collected: 03/04/20 11:15
	Matrix: Water	

425441-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	242921	03/05/20	03/06/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.64**		mg/L	0.050	0.030	1	242867	03/05/20	03/05/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**440**		mg/L	10	0.86	10	242873	03/04/20 12:00	03/05/20 06:13	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 04:00	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:00	RKV
Sulfate	**460**		mg/L	10	0.77	10	242873	03/04/20 12:00	03/05/20 06:13	RKV
Nitrogen, Nitrate/Nitrite	**1.5**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 04:00	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.43**		mg/L	0.40	0.052	1	243000	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.36**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242878	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242888	03/05/20 12:02	03/05/20 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.33**	H	SU			1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Temperature	**6.30**	H	deg C	1.00		1	242900	03/05/20 09:30	03/05/20 09:30	JTB
Method: SM 4500-NH3-G										
Ammonia-N	**0.073**	J	mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.31**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**6.5**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	242879	03/04/20 16:25	03/04/20 16:25	JTB
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.07	1	242877	03/04/20 16:25	03/04/20 16:25	JTB

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425441

425441-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	242971	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**31**		mg/L	1.0	1.0	2	242886	03/04/20	03/04/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**12**		mg/L	3.0		1	242848	03/04/20 18:27	03/09/20 15:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**1.7**		mg/L	0.10	0.068	2.5	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.9**		mg/L			1	243063	03/10/20	03/10/20	SLL

Sample ID: SMBRP-13 **Lab ID: 425441-005** **Collected: 03/04/20 12:15**
Matrix: Water

425441-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 04:19	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:19	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 04:19	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.31**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.32**		mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.19**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,700**		mg/L	20		2	242971	03/06/20	03/07/20	WWC

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425441

Sample ID: MCWP-MW10	Lab ID: 425441-006	Collected: 03/04/20 13:00
	Matrix: Water	

425441-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242873	03/04/20 12:00	03/05/20 04:38	RKV
Nitrogen, Nitrate	**0.86**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:38	RKV
Nitrogen, Nitrate/Nitrite	**0.86**		mg/L	0.10		1	242873	03/04/20 12:00	03/05/20 04:38	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.73**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.71**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.025**	J	mg/L	0.10	0.010	1	242924	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.087**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**460**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	242971	03/06/20	03/07/20	WWC

Sample ID: MCWP-MW	Lab ID: 425441-007	Collected: 03/04/20 10:10
	Matrix: Water	

425441-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**3.0**		mg/L	0.10	0.01	1	242873	03/04/20 12:00	03/05/20 04:57	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**890**		mg/L	20		2	242971	03/06/20	03/07/20	WWC

< Value is less than indicated concentration
> Value exceeds indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC861533**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/06/20 10:10	03/06/20 15:49

Type:	**Lab Control Sample**	**Lab ID:**	**QC861534**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.017	1.000	mg/L	102%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861535**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9690	0	1.000	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861536**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9600	0	1.000	mg/L	96%		80-120	1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861482**	**Batch:**	**242929**
Matrix (Source ID):	**Water (425441-003)**	**Method:**	**SM2130B**		

QC861482 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	243.0	245.0	NTU		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	Lab ID: QC861370	Batch: 242878
Matrix (Source ID): Drinking Water (425439-001)	Method: SM 2150B	

QC861370 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	<1.000	0	TON			20	1

Type: Sample Duplicate	Lab ID: QC861371	Batch: 242879
Matrix (Source ID): Drinking Water (425439-001)	Method: SM2120B	

QC861371 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	<5.000	0	ColorUnits			20	1

Type: Sample Duplicate	Lab ID: QC861416	Batch: 242900
Matrix (Source ID): Water (425441-001)	Method: SM 4500-H+ B	

QC861416 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.150	7.150	SU		0	20	1
Temperature	8.600	8.800	deg C		2	20	1

Type: Blank	Lab ID: QC861360	Batch: 242873
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC861360 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/04/20 12:00	03/04/20 15:18
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/04/20 12:00	03/04/20 15:18
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/04/20 12:00	03/04/20 15:18
Sulfate	ND		mg/L	1.0	0.077	03/04/20 12:00	03/04/20 15:18
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/04/20 12:00	03/04/20 15:18

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861361**	**Batch:**	**242873**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861361 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	100.5	100.0	mg/L	101%		90-110
Nitrogen, Nitrite	9.411	9.150	mg/L	103%		90-110
Nitrogen, Nitrate	8.761	9.030	mg/L	97%		90-110
Sulfate	47.67	50.00	mg/L	95%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861362**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861362 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	118.6	20.71	100.0	mg/L	98%		80-120	1
Nitrogen, Nitrite	9.349	0	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	13.65	5.023	9.030	mg/L	96%		80-120	1
Sulfate	92.37	46.35	50.00	mg/L	92%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861363**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861363 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	118.2	20.71	100.0	mg/L	97%		80-120	0	20	1
Nitrogen, Nitrite	9.309	0	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	13.63	5.023	9.030	mg/L	95%		80-120	0	20	1
Sulfate	92.05	46.35	50.00	mg/L	91%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861364**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861364 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	119.6	20.18	100.0	mg/L	99%		80-120	1
Nitrogen, Nitrite	10.36	0.9033	9.150	mg/L	103%		80-120	1
Nitrogen, Nitrate	13.53	4.884	9.030	mg/L	96%		80-120	1
Sulfate	86.12	39.65	50.00	mg/L	93%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861365**	**Batch:**	**242873**
Matrix (Source ID):	**Drinking Water (425417-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	120.4	20.18	100.0	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrite	10.44	0.9033	9.150	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrate	13.59	4.884	9.030	mg/L	96%		80-120	0	20	1
Sulfate	87.13	39.65	50.00	mg/L	95%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC861313**	**Batch:**	**242848**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC861313 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/04/20 18:00	03/09/20 15:00

Type:	**Lab Control Sample**	**Lab ID:**	**QC861314**	**Batch:**	**242848**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC861314 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	204.0	198.0	mg/L	103%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC861676**	**Batch:**	**243016**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC861676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861677**	**Batch:**	**243016**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC861677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC861678	Batch: 243016
Matrix (Source ID): Water (425499-003)	Method: SM 4500-P-B5-E	

QC861678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9300	0.1030	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	Lab ID: QC861679	Batch: 243016
Matrix (Source ID): Water (425499-003)	Method: SM 4500-P-B5-E	

QC861679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9280	0.1030	0.8000	mg/L	103%		75-125	0	20	2

Type: Blank	Lab ID: QC861384	Batch: 242886
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC861384 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/04/20	03/04/20

Type: Sample Duplicate	Lab ID: QC861385	Batch: 242886
Matrix (Source ID): Water (425441-001)	Method: SM2540D	Prep Method: METHOD

QC861385 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	422.0	439.0	mg/L		4	5	10

Type: Blank	Lab ID: QC861672	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC861673	**Batch:** 243013
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	**Lab ID:** QC861674	**Batch:** 243013
Matrix (Source ID): Water (425499-001)	**Method:** SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	**Lab ID:** QC861675	**Batch:** 243013
Matrix (Source ID): Water (425499-001)	**Method:** SM 4500-P-B5-E	

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

Type: Blank	**Lab ID:** QC861660	**Batch:** 243001
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC861660 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type: Lab Control Sample	**Lab ID:** QC861661	**Batch:** 243001
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC861661 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC861662**	**Batch:**	**243001**
Matrix (Source ID):	**Water (425442-010)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.70	1.510	12.50	mg/L	114%	*	90-110	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861663**	**Batch:**	**243001**
Matrix (Source ID):	**Water (425442-010)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.20	1.510	12.50	mg/L	110%		90-110	3	20	2.5

Type:	**Blank**	**Lab ID:**	**QC861469**	**Batch:**	**242924**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC861469 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861470**	**Batch:**	**242924**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC861470 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.440	2.500	mg/L	98%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC861471**	**Batch:**	**242924**
Matrix (Source ID):	**Water (425441-006)**	**Method:**	**SM 4500-NH3-G**		

QC861471 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.600	0.02530	2.500	mg/L	103%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC861472	Batch:	242924
Matrix (Source ID):	Water (425441-006)	Method:	SM 4500-NH3-G		

QC861472 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.590	0.02530	2.500	mg/L	103%		80-120	0	20	1

Type:	Blank	Lab ID:	QC861656	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	Lab Control Sample	Lab ID:	QC861657	Batch:	243000
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC861658	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.10	0	12.50	mg/L	105%		90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861659	Batch:	243000
Matrix (Source ID):	Water (425378-004)	Method:	EPA 351.2	Prep Method:	METHOD

QC861659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.00	0	12.50	mg/L	104%		90-110	1	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC861386**	**Batch: 242888**
Matrix: Water	**Method: SM 4500-CL-G**	

QC861386 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	03/05/20 12:02	03/05/20 12:02

Type: Lab Control Sample	**Lab ID: QC861387**	**Batch: 242888**
Matrix: Water	**Method: SM 4500-CL-G**	

QC861387 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9900	1.000	mg/L	99%		80-120

Type: Sample Duplicate	**Lab ID: QC861388**	**Batch: 242888**
Matrix (Source ID): Water (425441-001)	**Method: SM 4500-CL-G**	

QC861388 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	<0.1000	0	mg/L			20	1

Type: Blank	**Lab ID: QC861664**	**Batch: 243006**
Matrix: Water	**Method: SM 5310B**	

QC861664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	03/09/20	03/09/20

Type: Lab Control Sample	**Lab ID: QC861665**	**Batch: 243006**
Matrix: Water	**Method: SM 5310B**	

QC861665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.695	10.00	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC861666	**Batch:** 243006
Matrix (Source ID): Water (425462-004)	**Method:** SM 5310B	

QC861666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.94	9.297	20.00	mg/L	103%		80-120	2

Type: Matrix Spike Duplicate	**Lab ID:** QC861667	**Batch:** 243006
Matrix (Source ID): Water (425462-004)	**Method:** SM 5310B	

QC861667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.36	9.297	20.00	mg/L	105%		80-120	1	20	2

Type: Blank	**Lab ID:** QC861583	**Batch:** 242971
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC861583 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/06/20	03/07/20

Type: Lab Control Sample	**Lab ID:** QC861584	**Batch:** 242971
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC861584 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	95.00	95.00	mg/L	100%		90-110

Type: Sample Duplicate	**Lab ID:** QC861585	**Batch:** 242971
Matrix (Source ID): Water (425435-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC861585 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	566.0	572.0	mg/L		1	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861459	Batch: 242921
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861459 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/05/20	03/06/20

Type: Lab Control Sample	Lab ID: QC861460	Batch: 242921
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861460 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.90	40.00	mg/L	87%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC861461	Batch: 242921
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861461 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.40	40.00	mg/L	94%		78-114	7	18

Type: Sample Duplicate	Lab ID: QC861369	Batch: 242877
Matrix (Source ID): Drinking Water (425439-001)	Method: SM2130B	

QC861369 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1060	0.1030	NTU		3	20	1

Type: Blank	Lab ID: QC861342	Batch: 242867
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861342 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	03/05/20	03/05/20

Type: Lab Control Sample	Lab ID: QC861343	Batch: 242867
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861343 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.893	2.000	mg/L	95%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC861344**	**Batch:**	**242867**
Matrix (Source ID):	**Water (425410-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC861344 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.317	0.3502	1.000	mg/L	97%		75-125	1

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

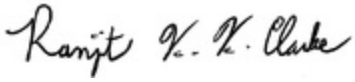
Lab Job Number: 425499
Report Level: II
Report Date: 03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

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ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425499
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/05/20

Sample ID	Lab ID	Collected	Matrix
MCWP-MW07D	425499-001	03/05/20 10:10	Water
MCWP-MW05	425499-002	03/05/20 12:35	Water
CCPE	425499-003	03/05/20 10:45	Water

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425499	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 c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	X	X	X			MC
~~SMBRP-9~~						X	X	X	X	X	X	X	X			MC
~~SMBRP-11~~						X	X	X	X	X	X	X	X			MC
~~SMBRP-12~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			MC
MCWP-MW07D	3-5-20	1010	W			X	X	X	X	X	X	X	X			
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC	3-5-20 / 4:00 pm
[1] Received By:		Henry G.	Enthalpy	3/5/20 / 16:00
[2] Relinquished By:		Henry G.	EA	3/5/20 / 19.20
[2] Received By:		G Kim	EA	3/5/20 1920
[3] Relinquished By:				

3.0.1.20

ENTHALPHY ANALYTICAL, INC.		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:	2	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 - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
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 300.0: NO3	Analysis Request: TDS	Test Instructions / Comments
MCWP-MW05	3-5-20	1235				X	X	
MCWP-MW06						X	X	MC

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS, INC	3-5-20 / 4:00pm
1 Received By:		Henri Cr	Enthalpy	3/5/20 / 16:00
2 Relinquished By:		Henri Cr	EA	3/5/20 / 19:20
2 Received By:		G. Kim	EA	3/5/20 1900
3 Relinquished By:				

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ENTHALPHY ANALYTICAL, INC.		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 - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen	Test Instructions / Comments
~~SMBRP-13~~						X	X	X	X	MC
~~MCWP-MW10~~						X	X	X	X	MC
CCPE	3-5-20	1045	W			X	X	X	X	
~~MBCMW-9~~						X	X	X	X	MC
~~SMBRP-7B~~						X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC	3-5-20 / 4:00 pm
1 Received By:		Henry Gu	Enthalpy	3/5/20 / 16:00
2 Relinquished By:		Henry Gu	EA	3/5/20 / 19:20
2 Received By:		G. Kim	EA	3/5/20 1920
3 Relinquished By:				

3 of 20

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Malibu Quarterly/Semi-Annually

Date Received: 3/5/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/5/20

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 425499

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425499
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/05/20

Sample ID: MCWP-MW07D **Lab ID: 425499-001** **Collected: 03/05/20 10:10**
Matrix: Water

425499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	1.5	1.1	243022	03/09/20	03/09/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.57**		mg/L	0.050	0.030	1	242938	03/06/20	03/09/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**360**		mg/L	10	0.86	10	242979	03/05/20 10:00	03/06/20 11:49	RKV
Nitrogen, Nitrite	**0.35**		mg/L	0.10	0.02	1	242979	03/05/20 10:00	03/06/20 10:14	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242979	03/05/20 10:00	03/06/20 10:14	RKV
Sulfate	**470**		mg/L	10	0.77	10	242979	03/05/20 10:00	03/06/20 11:49	RKV
Nitrogen, Nitrate/Nitrite	**0.35**		mg/L	0.10		1	242979	03/05/20 10:00	03/06/20 10:14	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.052	1	242955	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.48**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	242930	03/05/20 17:30	03/05/20 17:30	JTB
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	242969	03/06/20 16:55	03/06/20 16:55	WWC
Method: SM 4500-H+ B										
pH	**7.33**	H	SU			1	243015	03/06/20 09:00	03/06/20 09:00	ECC
Temperature	**9.00**	H	deg C	1.00		1	243015	03/06/20 09:00	03/06/20 09:00	ECC
Method: SM 4500-NH3-G										
Ammonia-N	**0.15**		mg/L	0.10	0.010	1	242927	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.14**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 5310B										
Total Organic Carbon	**5.0**		mg/L	1.0	0.091	1	243006	03/09/20	03/09/20	JTB
Method: SM 9223Bb										
Fecal Coliform	**44**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, Total	**75**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, E. Coli	**22**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425499

425499-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2120B										
Color	ND		ColorUnits	5		1	242931	03/05/20 17:30	03/05/20 17:30	JTB
Method: SM2130B										
Turbidity	**2.2**		NTU	0.10	0.07	1	242929	03/05/20 17:30	03/05/20 17:30	JTB
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	242972	03/06/20	03/07/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.4**		mg/L	0.6	0.6	1.1	242992	03/06/20	03/06/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	242958	03/06/20 09:00	03/11/20 11:00	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.036**	J	mg/L	0.040	0.027	1	242954	03/06/20 10:10	03/06/20 15:49	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.98**		mg/L			1	243121	03/11/20	03/11/20	DCD

Sample ID: MCWP-MW05 **Lab ID: 425499-002** **Collected: 03/05/20 12:35**
Matrix: Water

425499-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**2.2**		mg/L	0.10	0.01	1	242979	03/05/20 10:00	03/06/20 10:33	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**730**		mg/L	20		2	242972	03/06/20	03/07/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425499

Sample ID: CCPE	Lab ID: 425499-003	Collected: 03/05/20 10:45
	Matrix: Water	

425499-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	242979	03/05/20 10:00	03/06/20 10:52	RKV
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.01	1	242979	03/05/20 10:00	03/06/20 10:52	RKV
Nitrogen, Nitrate/Nitrite	**1.0**		mg/L	0.10		1	242979	03/05/20 10:00	03/06/20 10:52	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.27**	J	mg/L	0.40	0.052	1	242955	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.27**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242927	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Coliform, E. Coli	**2.0**		MPN/100ml	1.0		1	242918	03/05/20 19:30	03/06/20 14:27	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	242972	03/06/20	03/07/20	WWC

> Value exceeds indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC861533**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861533 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/06/20 10:10	03/06/20 15:49

Type:	**Lab Control Sample**	**Lab ID:**	**QC861534**	**Batch:**	**242954**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC861534 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.017	1.000	mg/L	102%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861535**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861535 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9690	0	1.000	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861536**	**Batch:**	**242954**
Matrix (Source ID):	**Water (425473-001)**	**Method:**	**SM5540C**		

QC861536 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9600	0	1.000	mg/L	96%		80-120	1	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861482**	**Batch:**	**242929**
Matrix (Source ID):	**Water (425441-003)**	**Method:**	**SM2130B**		

QC861482 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	243.0	245.0	NTU		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861586	Batch: 242972
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861586 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		03/06/20	03/07/20

Type: Lab Control Sample	Lab ID: QC861587	Batch: 242972
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC861587 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	100.0	95.00	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC861588	Batch: 242972
Matrix (Source ID): Water (425499-003)	Method: SM2540C	Prep Method: METHOD

QC861588 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,376	1388	mg/L		1	5	2

Type: Blank	Lab ID: QC861537	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861537 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type: Lab Control Sample	Lab ID: QC861538	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861538 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC861539	Batch:	242955
Matrix (Source ID):	Water (425499-003)	Method:	EPA 351.2	Prep Method:	METHOD

QC861539 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.90	0.2690	12.50	mg/L	109%		90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861540	Batch:	242955
Matrix (Source ID):	Water (425499-003)	Method:	EPA 351.2	Prep Method:	METHOD

QC861540 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.50	0.2690	12.50	mg/L	114%	*	90-110	4	20	2.5

Type:	Blank	Lab ID:	QC861636	Batch:	242992
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC861636 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	03/06/20	03/06/20

Type:	Sample Duplicate	Lab ID:	QC861637	Batch:	242992
Matrix (Source ID):	Water (425066-005)	Method:	SM2540D	Prep Method:	METHOD

QC861637 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	426.0	436.0	mg/L		2	5	20

Type:	Sample Duplicate	Lab ID:	QC861483	Batch:	242930
Matrix (Source ID):	Water (425499-001)	Method:	SM 2150B		

QC861483 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	<1.000	0	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC861548**	**Batch: 242958**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC861548 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		03/06/20 10:37	03/11/20 11:00

Type: Lab Control Sample	**Lab ID: QC861549**	**Batch: 242958**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC861549 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	202.0	198.0	mg/L	102%		84.6-115.4

Type: Blank	**Lab ID: QC861676**	**Batch: 243016**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC861676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type: Lab Control Sample	**Lab ID: QC861677**	**Batch: 243016**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC861677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC861678**	**Batch: 243016**
Matrix (Source ID): Water (425499-003)	**Method: SM 4500-P-B5-E**	

QC861678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9300	0.1030	0.8000	mg/L	103%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC861679	Batch:	243016
Matrix (Source ID):	Water (425499-003)	Method:	SM 4500-P-B5-E		

QC861679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9280	0.1030	0.8000	mg/L	103%		75-125	0	20	2

Type:	Blank	Lab ID:	QC861672	Batch:	243013
Matrix:	Water	Method:	SM 4500-P-B5-E		

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type:	Lab Control Sample	Lab ID:	QC861673	Batch:	243013
Matrix:	Water	Method:	SM 4500-P-B5-E		

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type:	Matrix Spike	Lab ID:	QC861674	Batch:	243013
Matrix (Source ID):	Water (425499-001)	Method:	SM 4500-P-B5-E		

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

Type:	Matrix Spike Duplicate	Lab ID:	QC861675	Batch:	243013
Matrix (Source ID):	Water (425499-001)	Method:	SM 4500-P-B5-E		

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861499	Batch: 242938
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861499 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	03/06/20	03/06/20

Type: Lab Control Sample	Lab ID: QC861500	Batch: 242938
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC861500 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.837	2.000	mg/L	92%		85-115

Type: Sample Spike	Lab ID: QC861501	Batch: 242938
Matrix (Source ID): Water (425463-001)	Method: EPA 200.7	Prep Method: EPA 200.7

QC861501 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6669	0	1.000	mg/L	67%	*	75-125	1

Type: Sample Spike	Lab ID: QC861502	Batch: 242938
Matrix (Source ID): Water (425496-007)	Method: EPA 200.7	Prep Method: EPA 200.7

QC861502 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.293	0.2923	1.000	mg/L	100%		75-125	1

Type: Blank	Lab ID: QC861664	Batch: 243006
Matrix: Water	Method: SM 5310B	

QC861664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	03/09/20	03/09/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC861665	Batch: 243006
Matrix: Water	Method: SM 5310B	

QC861665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.695	10.00	mg/L	97%		80-120

Type: Matrix Spike	Lab ID: QC861666	Batch: 243006
Matrix (Source ID): Water (425462-004)	Method: SM 5310B	

QC861666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	29.94	9.297	20.00	mg/L	103%		80-120	2

Type: Matrix Spike Duplicate	Lab ID: QC861667	Batch: 243006
Matrix (Source ID): Water (425462-004)	Method: SM 5310B	

QC861667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	30.36	9.297	20.00	mg/L	105%		80-120	1	20	2

Type: Blank	Lab ID: QC861698	Batch: 243022
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861698 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/09/20	03/09/20

Type: Lab Control Sample	Lab ID: QC861699	Batch: 243022
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC861699 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	37.00	40.00	mg/L	93%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861700**	**Batch:**	**243022**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC861700 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.30	40.00	mg/L	98%		78-114	6	18

Type:	**Sample Duplicate**	**Lab ID:**	**QC861950**	**Batch:**	**243015**
Matrix (Source ID):	**Water (425470-001)**	**Method:**	**SM 4500-H+ B**		

QC861950 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.200	7.200	SU		0	20	1
Temperature	9.900	9.900	deg C		0	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC861484**	**Batch:**	**242931**
Matrix (Source ID):	**Water (425499-001)**	**Method:**	**SM2120B**		

QC861484 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	<5.000	0	ColorUnits			20	1

Type:	**Blank**	**Lab ID:**	**QC861607**	**Batch:**	**242979**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861607 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	03/05/20 10:00	03/06/20 03:55
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/05/20 10:00	03/06/20 03:55
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/05/20 10:00	03/06/20 03:55
Sulfate	ND		mg/L	1.0	0.077	03/05/20 10:00	03/06/20 03:55
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/05/20 10:00	03/06/20 03:55

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861608**	**Batch:**	**242979**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861608 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	99.51	100.0	mg/L	100%		90-110
Nitrogen, Nitrite	9.426	9.150	mg/L	103%		90-110
Nitrogen, Nitrate	8.607	9.030	mg/L	95%		90-110
Sulfate	46.27	50.00	mg/L	93%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861609**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425482-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861609 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	175.4	92.36	100.0	mg/L	83%		80-120	1
Nitrogen, Nitrite	9.306	0	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	9.472	0.7111	9.030	mg/L	97%		80-120	1
Sulfate	219.4	178.9	50.00	mg/L	81%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861610**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425482-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861610 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	175.9	92.36	100.0	mg/L	84%		80-120	0	20	1
Nitrogen, Nitrite	9.346	0	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	9.493	0.7111	9.030	mg/L	97%		80-120	0	20	1
Sulfate	216.5	178.9	50.00	mg/L	75%	*	80-120	1	20	10

Type:	**Matrix Spike**	**Lab ID:**	**QC861611**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425483-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861611 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	176.5	93.82	100.0	mg/L	83%		80-120	1
Nitrogen, Nitrite	9.167	0	9.150	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.401	0.5854	9.030	mg/L	98%		80-120	1
Sulfate	230.9	189.6	50.00	mg/L	83%		80-120	10

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861612**	**Batch:**	**242979**
Matrix (Source ID):	**Drinking Water (425483-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861612 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	177.5	93.82	100.0	mg/L	84%		80-120	1	20	1
Nitrogen, Nitrite	9.232	0	9.150	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	9.492	0.5854	9.030	mg/L	99%		80-120	1	20	1
Sulfate	224.4	189.6	50.00	mg/L	69%	*	80-120	3	20	10

Type:	**Blank**	**Lab ID:**	**QC861478**	**Batch:**	**242927**
Matrix:	**Sea Water**	**Method:**	**SM 4500-NH3-G**		

QC861478 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861479**	**Batch:**	**242927**
Matrix:	**Sea Water**	**Method:**	**SM 4500-NH3-G**		

QC861479 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.440	2.500	mg/L	98%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC861480**	**Batch:**	**242927**
Matrix (Source ID):	**Water (425476-001)**	**Method:**	**SM 4500-NH3-G**		

QC861480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.440	0	2.500	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861481**	**Batch:**	**242927**
Matrix (Source ID):	**Water (425476-001)**	**Method:**	**SM 4500-NH3-G**		

QC861481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.450	0	2.500	mg/L	98%		80-120	0	20	1

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Batch QC

Type: Blank	**Lab ID: QC861577**	**Batch: 242969**
Matrix: Water	**Method: SM 4500-CL-G**	

QC861577 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	03/06/20 16:55	03/06/20 16:55

Type: Lab Control Sample	**Lab ID: QC861578**	**Batch: 242969**
Matrix: Water	**Method: SM 4500-CL-G**	

QC861578 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.008	1.000	mg/L	101%		80-120

Type: Sample Duplicate	**Lab ID: QC861579**	**Batch: 242969**
Matrix (Source ID): Water (425499-001)	**Method: SM 4500-CL-G**	

QC861579 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	<0.1000	0	mg/L			20	1

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

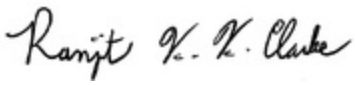
Lab Job Number:	425442
Report Level:	II
Report Date:	03/12/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

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Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425442
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID	Lab ID	Collected	Matrix
N-001	425442-001	03/04/20 12:04	Water
N-002	425442-002	03/04/20 12:14	Water
N-003	425442-003	03/04/20 12:33	Water
N-004	425442-004	03/04/20 11:40	Water
L-001	425442-005	03/04/20 13:15	Water
L-002	425442-006	03/04/20 13:30	Water
L-003	425442-007	03/04/20 13:45	Water
L-004	425442-008	03/04/20 12:51	Water
L-005	425442-009	03/04/20 12:30	Water
L-006	425442-010	03/04/20 12:41	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 425442	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Jaime Mcelain

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, Organic Nitrogen	Test Instructions / Comments
N-001	3/4/20	1204	Water	3		X	X	X	
N-002	3/4/20	1214				X	X	X	
N-003	3/4/20	1233				X	X	X	
N-004	3/4/20	1140				X	X	X	
L-001	3/4/20	13:15				X	X	X	
L-002	3/4/20	13:30				X	X	X	
L-003	3/4/20	13:45				X	X	X	
L-004	3/4/20	1251				X	X	X	
L-005	3/4/20	1230				X	X	X	
L-006	3/4/20	1241				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jaime Mcelain	Rincon/Biologist	3/4/20 / 1410
1 Received By:		Hems Gr.	Enthalpy	3/4/20 / 14:10
2 Relinquished By:		Hems Gr	EA	3/4/20 / 16:45
2 Received By:		Kim	EA	3/4/20 0645
3 Relinquished By:				

17 51

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Ventura Project: Malibu - Quarterly/Semi-Annual

Date Received: 3/4/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3/4/20

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ENTHALPY ANALYTICAL

Analysis Results for 425442

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 425442
Location: Malibu - Quarterly/Semi-Annual
Date Received: 03/04/20

Sample ID: N-001 **Lab ID: 425442-001** **Collected: 03/04/20 12:04**
Matrix: Water

425442-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 20:39	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 15:55	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 20:39	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.14**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**21**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 425442

Sample ID: N-002	Lab ID: 425442-002	Collected: 03/04/20 12:14
	Matrix: Water	

425442-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 20:58	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 16:52	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 20:58	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.25**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**170**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**2.0**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: N-003	Lab ID: 425442-003	Collected: 03/04/20 12:33
	Matrix: Water	

425442-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 21:17	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 17:11	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 21:17	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.48**		mg/L	0.40	0.052	1	243001	03/11/20	03/11/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.16**		mg/L			1	243039	03/11/20	03/11/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.090**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**8.5**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**260**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**47**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: N-004	Lab ID: 425442-004	Collected: 03/04/20 11:40
	Matrix: Water	

425442-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	20	3.6	200	242978	03/05/20 10:00	03/05/20 21:36	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 17:29	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		200	242978	03/05/20 10:00	03/05/20 21:36	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**150**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-001	Lab ID: 425442-005	Collected: 03/04/20 13:15
	Matrix: Water	

425442-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 21:55	RKV
Nitrogen, Nitrate	**0.38**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 17:48	RKV
Nitrogen, Nitrate/Nitrite	**0.38**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 21:55	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.61**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.61**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.35**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**390**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-002	Lab ID: 425442-006	Collected: 03/04/20 13:30
	Matrix: Water	

425442-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 22:14	RKV
Nitrogen, Nitrate	**1.3**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 18:07	RKV
Nitrogen, Nitrate/Nitrite	**1.3**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 22:14	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.27**	J	mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.27**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.55**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**66**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**1,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**50**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-003	Lab ID: 425442-007	Collected: 03/04/20 13:45
	Matrix: Water	

425442-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 22:33	RKV
Nitrogen, Nitrate	**0.75**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 18:26	RKV
Nitrogen, Nitrate/Nitrite	**0.75**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 22:33	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**9.4**		mg/L	4.0	0.52	10	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**9.3**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.010	1	243013	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**5.0**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**6.3**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-004	Lab ID: 425442-008	Collected: 03/04/20 12:51
	Matrix: Water	

425442-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 22:52	RKV
Nitrogen, Nitrate	**0.95**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 18:45	RKV
Nitrogen, Nitrate/Nitrite	**0.95**		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 22:52	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.46**		mg/L	0.40	0.052	1	243031	03/09/20	03/10/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.46**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.52**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**190**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**160**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-005	Lab ID: 425442-009	Collected: 03/04/20 12:30
	Matrix: Water	

425442-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.5	0.45	25	242978	03/05/20 10:00	03/06/20 09:55	RKV
Nitrogen, Nitrate	**0.57**		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 19:04	RKV
Nitrogen, Nitrate/Nitrite	**0.57**		mg/L	0.10		25	242978	03/05/20 10:00	03/06/20 09:55	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.26**	J	mg/L	0.40	0.052	1	242955	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.20**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.057**	J	mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**200**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**42**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 425442

Sample ID: L-006	Lab ID: 425442-010	Collected: 03/04/20 12:41
	Matrix: Water	

425442-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	242978	03/05/20 10:00	03/05/20 23:30	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	242978	03/05/20 10:00	03/05/20 19:23	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	242978	03/05/20 10:00	03/05/20 23:30	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.5**		mg/L	0.40	0.052	1	243001	03/09/20	03/10/20	JTB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.98**		mg/L			1	243039	03/10/20	03/10/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.52**		mg/L	0.10	0.010	1	242923	03/06/20	03/06/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.50**		mg/L	0.020	0.010	1	243016	03/09/20	03/09/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**43**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 15:30	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH
Coliform, E. Coli	**6.3**		MPN/100ml	1.0		1	242852	03/04/20 17:47	03/05/20 14:28	LXH

< Value is less than indicated concentration
> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC861465	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861465 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/06/20	03/06/20

Type: Lab Control Sample	**Lab ID:** QC861466	**Batch:** 242923
Matrix: Water	**Method:** SM 4500-NH3-G	

QC861466 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.450	2.500	mg/L	98%		80-120

Type: Matrix Spike	**Lab ID:** QC861467	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861467 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC861468	**Batch:** 242923
Matrix (Source ID): Water (425378-006)	**Method:** SM 4500-NH3-G	

QC861468 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.540	0.09870	2.500	mg/L	98%		80-120	0	20	1

Type: Blank	**Lab ID:** QC861601	**Batch:** 242978
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC861601 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	03/05/20 10:00	03/05/20 12:45
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	03/05/20 10:00	03/05/20 12:45
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		03/05/20 10:00	03/05/20 12:45

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC861602**	**Batch:**	**242978**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861602 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.371	9.150	mg/L	102%		90-110
Nitrogen, Nitrate	8.678	9.030	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC861603**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861603 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.223	0	9.150	mg/L	101%		80-120	1
Nitrogen, Nitrate	11.60	2.804	9.030	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861604**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-006)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861604 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.113	0	9.150	mg/L	100%		80-120	1	20	1
Nitrogen, Nitrate	11.52	2.804	9.030	mg/L	96%		80-120	1	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC861605**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.207	0	9.150	mg/L	101%		80-120	1
Nitrogen, Nitrate	11.63	2.850	9.030	mg/L	97%		80-120	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC861606**	**Batch:**	**242978**
Matrix (Source ID):	**Drinking Water (425445-007)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC861606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.169	0	9.150	mg/L	100%		80-120	0	20	1
Nitrogen, Nitrate	11.59	2.850	9.030	mg/L	97%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC861733**	**Batch:**	**243031**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861733 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC861734**	**Batch:**	**243031**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861734 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.470	2.500	mg/L	99%		90-110

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC861735**	**Batch:**	**243031**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861735 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Nitrogen, Total Kjeldahl	2.450	2.500	mg/L	98%		90-110	1	20

Type:	**Sample Duplicate**	**Lab ID:**	**QC861736**	**Batch:**	**243031**
Matrix (Source ID):	**Water (425373-044)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC861736 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	0.6250	0.6600	mg/L		5	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC861737	Batch: 243031
Matrix (Source ID): Water (425373-044)	Method: EPA 351.2	Prep Method: METHOD

QC861737 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.40	0.6600	12.50	mg/L	102%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC861738	Batch: 243031
Matrix (Source ID): Water (425373-044)	Method: EPA 351.2	Prep Method: METHOD

QC861738 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.90	0.6600	12.50	mg/L	98%		90-110	4	20	2.5

Type: Blank	Lab ID: QC861672	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861672 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

Type: Lab Control Sample	Lab ID: QC861673	Batch: 243013
Matrix: Water	Method: SM 4500-P-B5-E	

QC861673 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4080	0.4000	mg/L	102%		80-120

Type: Matrix Spike	Lab ID: QC861674	Batch: 243013
Matrix (Source ID): Water (425499-001)	Method: SM 4500-P-B5-E	

QC861674 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9560	0.1350	0.8000	mg/L	103%		75-125	2

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC861675	Batch:	243013
Matrix (Source ID):	Water (425499-001)	Method:	SM 4500-P-B5-E		

QC861675 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9740	0.1350	0.8000	mg/L	105%		75-125	2	20	2

Type:	Blank	Lab ID:	QC861660	Batch:	243001
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861660 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type:	Lab Control Sample	Lab ID:	QC861661	Batch:	243001
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC861661 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type:	Matrix Spike	Lab ID:	QC861662	Batch:	243001
Matrix (Source ID):	Water (425442-010)	Method:	EPA 351.2	Prep Method:	METHOD

QC861662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.70	1.510	12.50	mg/L	114%	*	90-110	2.5

Type:	Matrix Spike Duplicate	Lab ID:	QC861663	Batch:	243001
Matrix (Source ID):	Water (425442-010)	Method:	EPA 351.2	Prep Method:	METHOD

QC861663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.20	1.510	12.50	mg/L	110%		90-110	3	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC861537	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861537 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.052	03/09/20	03/10/20

Type: Lab Control Sample	Lab ID: QC861538	Batch: 242955
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC861538 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.360	2.500	mg/L	94%		90-110

Type: Matrix Spike	Lab ID: QC861539	Batch: 242955
Matrix (Source ID): Water (425499-003)	Method: EPA 351.2	Prep Method: METHOD

QC861539 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.90	0.2690	12.50	mg/L	109%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC861540	Batch: 242955
Matrix (Source ID): Water (425499-003)	Method: EPA 351.2	Prep Method: METHOD

QC861540 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.50	0.2690	12.50	mg/L	114%	*	90-110	4	20	2.5

Type: Blank	Lab ID: QC861676	Batch: 243016
Matrix: Water	Method: SM 4500-P-B5-E	

QC861676 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/09/20	03/09/20

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Batch QC

Type: Lab Control Sample	**Lab ID: QC861677**	**Batch: 243016**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC861677 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC861678**	**Batch: 243016**
Matrix (Source ID): Water (425499-003)	**Method: SM 4500-P-B5-E**	

QC861678 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9300	0.1030	0.8000	mg/L	103%		75-125	2

Type: Matrix Spike Duplicate	**Lab ID: QC861679**	**Batch: 243016**
Matrix (Source ID): Water (425499-003)	**Method: SM 4500-P-B5-E**	

QC861679 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.9280	0.1030	0.8000	mg/L	103%		75-125	0	20	2

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

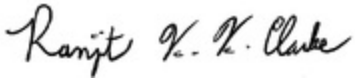
Lab Job Number: 427576
Report Level: II
Report Date: 05/07/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

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Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 427576
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/28/20

Sample ID	Lab ID	Collected	Matrix
LAMW-5S	427576-001	04/28/20 09:10	Water
SMBRP-11	427576-002	04/28/20 10:00	Water
SMBRP-12	427576-003	04/28/20 12:25	Water
MCWP-MW04S	427576-004	04/28/20 09:50	Water
MCWP-MW07S	427576-005	04/28/20 11:10	Water
MCWP-MW07D	427576-006	04/28/20 11:40	Water
MCWP-MW09	427576-007	04/28/20 12:20	Water

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Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number: 427576 Location: Malibu - Quarterly/Semi-Annual Date Received: 04/28/20

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 04/28/20. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
Low recoveries were observed for nitrogen, nitrite in the MS/MSD of N-001 (lab # 427580-001); the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):
No analytical problems were encountered.

Total Notrogen, by Calculation (TOTAL NITROGEN):
No analytical problems were encountered.

Organic Nitrogen, by Calculation (ORGANIC NITROGEN):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Free Chlorine (SM 4500-CL-G):
No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):
No analytical problems were encountered.

Soluble Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Odor (SM 2150B):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

Color by Visual Comparison (SM2120B):
No analytical problems were encountered.

Surfactants (MBAS) (SM5540C):
No analytical problems were encountered.

Total Coliform / E. coli by Quanti-Tray (SM 9223Bb):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
Low recovery was observed for nitrogen, total kjeldahl in the MS for batch 245318; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	ENTHALPY analytical, inc.	Lab No: 427576				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = Na2S2O3 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KBrtalik@RinconConsultants.com	P.O. #:	15-01587
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	8056444455	Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
LAMW-5S	4/28/20	0910	W	12		X	X	X	X	X	X	X	X			
~~SMBRP-9~~						X	X	X	X	X	X	X	X			PD
SMBRP-11	4/28/20	1000	W	12		X	X	X	X	X	X	X	X			
SMBRP-12	4/28/20	1225	W	12		X	X	X	X	X	X	X	X			
MCWP-MW04S	4/28/20	0950	W	12		X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			PD
MCWP-MW07S	4/28/20	1110	W	12		X	X	X	X	X	X	X	X			
MCWP-MW07D	4/28/20	1140	W	12		X	X	X	X	X	X	X	X			
MCWP-MW09	4/28/20	1220	W	12		X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC.	4/28/20 / 1350
1 Received By:		HAO ZHAN	ENTHALPY	4/28/20 1352
2 Relinquished By:		HAO ZHAN	Enthalpy	4/28/20 1553
2 Received By:		FERNANDO DUVA	ENTHALPY	4/28/20 1553
3 Relinquished By:				
3 Received By:				

0.9 / 4-5

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 4/28/20 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4/28/20

ENTHALPY ANALYTICAL

Analysis Results for 427576

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 427576
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/28/20

Sample ID: LAMW-5S **Lab ID: 427576-001** **Collected: 04/28/20 09:10**
Matrix: Water

427576-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245421	04/30/20	05/01/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.18**	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**100**		mg/L	1.0	0.086	1	245238	04/28/20 12:00	04/28/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 17:38	RKV
Nitrogen, Nitrate	**8.1**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 17:38	RKV
Sulfate	**140**		mg/L	10	0.77	10	245238	04/28/20 12:00	04/28/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.32**	J	mg/L	0.40	0.052	1	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.32**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.032**	H,J	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.01**	H	SU			1	245512	04/29/20 11:27	04/29/20 11:27	WWC
Temperature	**16.30**	H	deg C	1.00		1	245512	04/29/20 11:27	04/29/20 11:27	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.98**		mg/L	0.040	0.020	2	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**3.3**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	<0		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2130B										
Turbidity	**18**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**560**		mg/L	20		2	245371	04/30/20	05/01/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**27**		mg/L	0.6	0.6	1.1	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	245275	04/29/20 11:27	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**0.067**		mg/L	0.040	0.027	1	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**8.4**		mg/L			1	245391	05/01/20	05/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

Sample ID: SMBRP-11	Lab ID: 427576-002	Collected: 04/28/20 10:00
	Matrix: Water	

427576-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245421	04/30/20	05/01/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.53**	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**260**		mg/L	10	0.86	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 18:02	RKV
Nitrogen, Nitrate	**2.4**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 18:02	RKV
Sulfate	**470**		mg/L	10	0.77	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.5**		mg/L	0.40	0.052	1	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.20**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.64**	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.10**	H	SU			1	245512	04/29/20 11:30	04/29/20 11:30	WWC
Temperature	**16.90**	H	deg C	1.00		1	245512	04/29/20 11:30	04/29/20 11:30	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**2.3**		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.037**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**11**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	<0		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**9.8**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2130B										
Turbidity	**110**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**950**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**170**		mg/L	2.0	2.0	4	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.1**		mg/L	3.0		1	245275	04/29/20 11:30	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**0.040**		mg/L	0.040	0.027	1	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.9**		mg/L			1	245391	05/01/20	05/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

Sample ID: SMBRP-12	Lab ID: 427576-003	Collected: 04/28/20 12:25
	Matrix: Water	

427576-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245421	04/30/20	05/01/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.33**	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**120**		mg/L	1.0	0.086	1	245238	04/28/20 12:00	04/28/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 18:27	RKV
Nitrogen, Nitrate	**0.06**	J	mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 18:27	RKV
Sulfate	**90**		mg/L	1.0	0.077	1	245238	04/28/20 12:00	04/28/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**9.1**		mg/L	0.80	0.10	2	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.4**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.22**	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.09**	H	SU			1	245512	04/29/20 11:31	04/29/20 11:31	WWC
Temperature	**15.90**	H	deg C	1.00		1	245512	04/29/20 11:31	04/29/20 11:31	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**7.7**		mg/L	0.50	0.050	5	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.71**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**11**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	**440**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2130B										
Turbidity	**52**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**140**		mg/L	1.4	1.4	2.9	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**8.0**		mg/L	3.0		1	245275	04/29/20 11:31	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**1.3**		mg/L	0.20	0.14	5	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**9.2**		mg/L			1	245391	05/01/20	05/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

Sample ID: MCWP-MW04S	Lab ID: 427576-004	Collected: 04/28/20 09:50
	Matrix: Water	

427576-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245421	04/30/20	05/01/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.4**	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**630**		mg/L	10	0.86	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 18:51	RKV
Nitrogen, Nitrate	**2.7**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 18:51	RKV
Sulfate	**2,500**		mg/L	50	3.9	50	245238	04/28/20 12:00	04/28/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.82**		mg/L	0.40	0.052	1	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.82**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.15**	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.24**	H	SU			1	245512	04/29/20 11:33	04/29/20 11:33	WWC
Temperature	**16.10**	H	deg C	1.00		1	245512	04/29/20 11:33	04/29/20 11:33	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.34**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**24**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	<0		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**870**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2130B										
Turbidity	**7.0**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,300**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.1**		mg/L	0.6	0.6	1.1	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	245275	04/29/20 11:33	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**0.52**		mg/L	0.080	0.054	2	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**3.5**		mg/L			1	245391	05/01/20	05/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

Sample ID: MCWP-MW07S	Lab ID: 427576-005	Collected: 04/28/20 11:10
	Matrix: Water	

427576-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.3	1.5	1.1	245421	04/30/20	05/01/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.30**	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**210**		mg/L	10	0.86	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 19:16	RKV
Nitrogen, Nitrate	**3.4**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 19:16	RKV
Sulfate	**240**		mg/L	10	0.77	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.58**		mg/L	0.40	0.052	1	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.55**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.11**	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.12**	H	SU			1	245512	04/29/20 11:35	04/29/20 11:35	WWC
Temperature	**16.40**	H	deg C	1.00		1	245512	04/29/20 11:35	04/29/20 11:35	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.031**	J	mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.070**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**8.5**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	**15**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2130B										
Turbidity	**33**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**84**		mg/L	1.0	1.0	2	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.5**		mg/L	3.0		1	245275	04/29/20 11:35	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**0.46**		mg/L	0.080	0.054	2	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.0**		mg/L			1	245391	05/01/20	05/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

Sample ID: MCWP-MW07D	Lab ID: 427576-006	Collected: 04/28/20 11:40
	Matrix: Water	

427576-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.1**	J	mg/L	5.6	1.6	1.1	245561	05/05/20	05/05/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	ND	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**20**		mg/L	1.0	0.086	1	245238	04/28/20 12:00	04/28/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 19:40	RKV
Nitrogen, Nitrate	**0.04**	J	mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 19:40	RKV
Sulfate	**11**		mg/L	1.0	0.077	1	245238	04/28/20 12:00	04/28/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.8**		mg/L	0.40	0.052	1	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.10**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.39**	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**6.35**	H	SU			1	245512	04/29/20 11:40	04/29/20 11:40	WWC
Temperature	**16.40**	H	deg C	1.00		1	245512	04/29/20 11:40	04/29/20 11:40	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**1.7**		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.096**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**16**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	**870**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2130B										
Turbidity	**130**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**92**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**140**		mg/L	5.0	5.0	10	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**15**		mg/L	3.0		1	245275	04/29/20 11:40	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**2.1**		mg/L	0.080	0.054	2	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.8**		mg/L			1	245391	05/01/20	05/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

Sample ID: MCWP-MW09	Lab ID: 427576-007	Collected: 04/28/20 12:20
	Matrix: Water	

427576-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245561	05/05/20	05/05/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.66**	b	mg/L	0.050	0.030	1	245262	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**430**		mg/L	10	0.86	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/28/20 20:04	RKV
Nitrogen, Nitrate	**0.08**	J	mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/28/20 20:04	RKV
Sulfate	**500**		mg/L	10	0.77	10	245238	04/28/20 12:00	04/29/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**3.2**		mg/L	0.40	0.052	1	245318	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.8**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245231	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.066**	H,J	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.47**	H	SU			1	245512	04/29/20 11:45	04/29/20 11:45	WWC
Temperature	**17.10**	H	deg C	1.00		1	245512	04/29/20 11:45	04/29/20 11:45	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**1.4**		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.22**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**10**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	**210**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**1,100**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	245232	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2130B										
Turbidity	**29**		NTU	0.10	0.07	1	245233	04/28/20 17:00	04/28/20 17:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427576

427576-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**9.6**		mg/L	0.6	0.6	1.1	245254	04/28/20	04/29/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**7.5**		mg/L	3.0		1	245275	04/29/20 11:45	05/04/20 12:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**2.0**		mg/L	0.080	0.054	2	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**3.3**		mg/L			1	245391	05/01/20	05/01/20	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC867860** **Batch: 245634**
Matrix: Water **Method: SM 4500-P-B5-E**

QC867860 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	05/07/20	05/07/20

Type: Lab Control Sample **Lab ID: QC867861** **Batch: 245634**
Matrix: Water **Method: SM 4500-P-B5-E**

QC867861 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3830	0.4000	mg/L	96%		80-120

Type: Matrix Spike **Lab ID: QC867862** **Batch: 245634**
Matrix (Source ID): Water (427580-010) **Method: SM 4500-P-B5-E**

QC867862 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.7180	0.3460	0.4000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC867863** **Batch: 245634**
Matrix (Source ID): Water (427580-010) **Method: SM 4500-P-B5-E**

QC867863 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.7170	0.3460	0.4000	mg/L	93%		75-125	0	20	1

Type: Sample Duplicate **Lab ID: QC866929** **Batch: 245231**
Matrix (Source ID): Water (427576-007) **Method: SM 2150B**

QC866929 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank **Lab ID: QC866995** **Batch: 245262**
Matrix: Water **Method: EPA 200.7** **Prep Method: EPA 200.7**

QC866995 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND	b	mg/L	0.050	0.030	04/29/20	04/30/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC866996	Batch: 245262
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC866996 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.873	2.000	mg/L	94%	b	85-115

Type: Sample Spike	Lab ID: QC866997	Batch: 245262
Matrix (Source ID): Water (427553-001)	Method: EPA 200.7	Prep Method: EPA 200.7

QC866997 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	5.403	4.638	1.000	mg/L		b,NM	75-125	25

Type: Sample Spike	Lab ID: QC866998	Batch: 245262
Matrix (Source ID): Water (427597-001)	Method: EPA 200.7	Prep Method: EPA 200.7

QC866998 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	7.460	6.305	1.000	mg/L	116%	b,NM	75-125	10

Type: Blank	Lab ID: QC867249	Batch: 245371
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC867249 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		04/30/20	05/01/20

Type: Lab Control Sample	Lab ID: QC867250	Batch: 245371
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC867250 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	94.00	100.0	mg/L	94%		90-110

Type: Sample Duplicate	Lab ID: QC867251	Batch: 245371
Matrix (Source ID): Drinking Water (427611-001)	Method: SM2540C	Prep Method: METHOD

QC867251 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	346.0	346.0	mg/L		0	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC867473 **Batch:** 245465
Matrix: Water **Method:** SM 4500-NH3-G

QC867473 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	05/04/20	05/04/20

Type: Lab Control Sample **Lab ID:** QC867474 **Batch:** 245465
Matrix: Water **Method:** SM 4500-NH3-G

QC867474 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.360	2.500	mg/L	94%		80-120

Type: Matrix Spike **Lab ID:** QC867475 **Batch:** 245465
Matrix (Source ID): Water (427576-001) **Method:** SM 4500-NH3-G

QC867475 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.400	ND	2.500	mg/L	96%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC867476 **Batch:** 245465
Matrix (Source ID): Water (427576-001) **Method:** SM 4500-NH3-G

QC867476 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.450	ND	2.500	mg/L	98%		80-120	2	20	1

Type: Blank **Lab ID:** QC866971 **Batch:** 245254
Matrix: Water **Method:** SM2540D **Prep Method:** METHOD

QC866971 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	04/28/20	04/29/20

Type: Sample Duplicate **Lab ID:** QC866972 **Batch:** 245254
Matrix (Source ID): Water (427576-006) **Method:** SM2540D **Prep Method:** METHOD

QC866972 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	145.0	143.0	mg/L		1	5	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC867574**	**Batch:**	**245512**
Matrix (Source ID):	**Water (427552-001)**	**Method:**	**SM 4500-H+ B**		

QC867574 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	8.100	8.090	SU		0	20	1
Temperature	14.20	14.20	deg C		0	20	1

Type:	**Blank**	**Lab ID:**	**QC866938**	**Batch:**	**245238**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC866938 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	04/28/20 12:00	04/28/20 23:59
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	04/28/20 12:00	04/28/20 16:19
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	04/28/20 12:00	04/28/20 16:19
Sulfate	ND		mg/L	1.0	0.077	04/28/20 12:00	04/28/20 23:59

Type:	**Lab Control Sample**	**Lab ID:**	**QC866939**	**Batch:**	**245238**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC866939 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	107.3	100.0	mg/L	107%		90-110
Nitrogen, Nitrite	9.627	9.150	mg/L	105%		90-110
Nitrogen, Nitrate	9.871	9.030	mg/L	109%		90-110
Sulfate	53.63	50.00	mg/L	107%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC866940**	**Batch:**	**245238**
Matrix (Source ID):	**Water (427580-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC866940 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	19,300	19690	100.0	mg/L	-398%	*,NM	80-120	200
Nitrogen, Nitrite	6.865	ND	9.150	mg/L	75%	*	80-120	10
Nitrogen, Nitrate	9.414	ND	9.030	mg/L	104%		80-120	1
Sulfate	2,477	2523	50.00	mg/L	-93%	*,NM	80-120	200

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC866941	Batch:	245238
Matrix (Source ID):	Water (427580-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC866941 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	19,240	19690	100.0	mg/L	-451%	*,NM	80-120	0	20	200
Nitrogen, Nitrite	6.730	ND	9.150	mg/L	74%	*	80-120	2	20	10
Nitrogen, Nitrate	9.476	ND	9.030	mg/L	105%		80-120	1	20	1
Sulfate	2,495	2523	50.00	mg/L	-55%	*,NM	80-120	1	20	200

Type:	Matrix Spike	Lab ID:	QC866942	Batch:	245238
Matrix (Source ID):	Water (427586-009)	Method:	EPA 300.0	Prep Method:	METHOD

QC866942 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	349.0	248.7	100.0	mg/L	100%		80-120	10
Nitrogen, Nitrite	9.297	ND	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	27.08	18.24	9.030	mg/L	98%		80-120	10
Sulfate	143.3	96.51	50.00	mg/L	94%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC866943	Batch:	245238
Matrix (Source ID):	Water (427586-009)	Method:	EPA 300.0	Prep Method:	METHOD

QC866943 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	343.0	248.7	100.0	mg/L	94%		80-120	2	20	10
Nitrogen, Nitrite	9.562	ND	9.150	mg/L	105%		80-120	3	20	1
Nitrogen, Nitrate	26.56	18.24	9.030	mg/L	92%		80-120	2	20	10
Sulfate	144.8	96.51	50.00	mg/L	97%		80-120	1	20	1

Type:	Blank	Lab ID:	QC867038	Batch:	245275
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC867038 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		04/29/20 12:00	05/04/20 12:00

Type:	Lab Control Sample	Lab ID:	QC867039	Batch:	245275
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC867039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	209.0	198.0	mg/L	106%		84.6-115.4

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC867361**	**Batch: 245421**
Matrix: Water	**Method: EPA 1664A**	**Prep Method: METHOD**

QC867361 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	04/30/20	05/01/20

Type: Lab Control Sample	**Lab ID: QC867362**	**Batch: 245421**
Matrix: Water	**Method: EPA 1664A**	**Prep Method: METHOD**

QC867362 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.60	40.00	mg/L	87%		78-114

Type: Lab Control Sample Duplicate	**Lab ID: QC867363**	**Batch: 245421**
Matrix: Water	**Method: EPA 1664A**	**Prep Method: METHOD**

QC867363 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	33.00	40.00	mg/L	83%		78-114	5	18

Type: Blank	**Lab ID: QC867204**	**Batch: 245354**
Matrix: Water	**Method: SM 5310B**	

QC867204 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	04/30/20	04/30/20

Type: Lab Control Sample	**Lab ID: QC867205**	**Batch: 245354**
Matrix: Water	**Method: SM 5310B**	

QC867205 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.718	10.00	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID: QC867206**	**Batch: 245354**
Matrix (Source ID): Water (427633-001)	**Method: SM 5310B**	

QC867206 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	22.62	3.991	20.00	mg/L	93%		80-120	2

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC867207	Batch: 245354
Matrix (Source ID): Water (427633-001)	Method: SM 5310B	

QC867207 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	20.90	3.991	20.00	mg/L	85%		80-120	8	20	2

Type: Sample Duplicate	Lab ID: QC866931	Batch: 245233
Matrix (Source ID): Water (427576-007)	Method: SM2130B	

QC866931 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	28.10	28.50	NTU		1	20	1

Type: Sample Duplicate	Lab ID: QC866930	Batch: 245232
Matrix (Source ID): Water (427576-007)	Method: SM2120B	

QC866930 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Blank	Lab ID: QC867122	Batch: 245318
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC867122 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.026	04/29/20	04/30/20

Type: Lab Control Sample	Lab ID: QC867123	Batch: 245318
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC867123 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.370	2.500	mg/L	95%		90-110

Type: Matrix Spike	Lab ID: QC867124	Batch: 245318
Matrix (Source ID): Water (427509-008)	Method: EPA 351.2	Prep Method: METHOD

QC867124 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.30	ND	12.50	mg/L	89%	*	90-110	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate | **Lab ID:** QC867125 | **Batch:** 245318
Matrix (Source ID): Water (427509-008) | **Method:** EPA 351.2 | **Prep Method:** METHOD

QC867125 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.20	ND	12.50	mg/L	96%		90-110	8	20	2.5

Type: Blank | **Lab ID:** QC867069 | **Batch:** 245289
Matrix: Water | **Method:** SM 4500-CL-G

QC867069 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	04/29/20 17:26	04/29/20 17:26

Type: Lab Control Sample | **Lab ID:** QC867070 | **Batch:** 245289
Matrix: Water | **Method:** SM 4500-CL-G

QC867070 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9560	1.000	mg/L	96%		80-120

Type: Sample Duplicate | **Lab ID:** QC867071 | **Batch:** 245289
Matrix (Source ID): Water (427576-002) | **Method:** SM 4500-CL-G

QC867071 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	0.6400	0.6410	mg/L		0	20	1

Type: Blank | **Lab ID:** QC867663 | **Batch:** 245561
Matrix: Water | **Method:** EPA 1664A | **Prep Method:** METHOD

QC867663 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	05/05/20	05/05/20

Type: Lab Control Sample | **Lab ID:** QC867664 | **Batch:** 245561
Matrix: Water | **Method:** EPA 1664A | **Prep Method:** METHOD

QC867664 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.50	40.00	mg/L	91%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate **Lab ID:** QC867665 **Batch:** 245561
Matrix: Water **Method:** EPA 1664A **Prep Method:** METHOD

QC867665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.60	40.00	mg/L	99%		78-114	8	18

Type: Blank **Lab ID:** QC867134 **Batch:** 245323
Matrix: Water **Method:** SM5540C

QC867134 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	04/29/20 15:00	04/29/20 18:40

Type: Lab Control Sample **Lab ID:** QC867135 **Batch:** 245323
Matrix: Water **Method:** SM5540C

QC867135 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9930	1.000	mg/L	99%		90-110

Type: Matrix Spike **Lab ID:** QC867136 **Batch:** 245323
Matrix (Source ID): Water (427620-002) **Method:** SM5540C

QC867136 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.011	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC867137 **Batch:** 245323
Matrix (Source ID): Water (427620-002) **Method:** SM5540C

QC867137 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9760	ND	1.000	mg/L	97%		80-120	4	20	1

* Value is outside QC limits
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

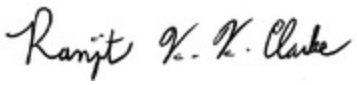
Lab Job Number: 427580
Report Level: II
Report Date: 05/07/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 427580
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/28/20

Sample ID	Lab ID	Collected	Matrix
N-001	427580-001	04/28/20 13:17	Water
N-002	427580-002	04/28/20 13:00	Water
N-003	427580-003	04/28/20 12:42	Water
N-004	427580-004	04/28/20 14:05	Water
L-001	427580-005	04/28/20 10:36	Water
L-002	427580-006	04/28/20 11:20	Water
L-003	427580-007	04/28/20 10:56	Water
L-004	427580-008	04/28/20 11:45	Water
L-005	427580-009	04/28/20 12:30	Water
L-006	427580-010	04/28/20 12:05	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003
Kiernan Brtalik

Lab Job Number: 427580
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/28/20

This data package contains sample and QC results for ten water samples, requested for the above referenced project on 04/28/20. The samples were received cold and intact.

Ion Chromatography (EPA 300.0):
Low recoveries were observed for nitrogen, nitrite in the MS/MSD of N-001 (lab # 427580-001); the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Organic Nitrogen, by Calculation (ORGANIC NITROGEN):
No analytical problems were encountered.

Total Coliform / E. coli by Quanti-Tray (SM 9223Bb):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	ENTHALPY analytical, inc.	Lab No: 427580				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614		**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				**Preservatives:** 1 = Na2S2O3 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other					

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
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.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus, Organic Nitrogen							Test Instructions / Comments
N-001	4/28/20	1317	water	5		X	X	X							
N-002		1300				X	X	X							
N-003		1242				X	X	X							
N-004		1405				X	X	X							
L-001		1036				X	X	X							
L-002		1120				X	X	X							
L-003		1056				X	X	X							
L-004		1145				X	X	X							
L-005		1230				X	X	X							
L-006		1205				X	X	X							

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jaime McClain	Rincon Consultants	4/28/20 1420
1 Received By:			Enthalpy	4/28/20 1420
2 Relinquished By:			"	4/28/20 1553
2 Received By:		FERNANDO DIAZ	EA	4/29/20 1553
3 Relinquished By:				
3 Received By:				

0-9 / 4-5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 4/28/20 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 4/28/20

ENTHALPY ANALYTICAL

Analysis Results for 427580

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 427580
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/28/20

Sample ID: N-001 **Lab ID: 427580-001** **Collected: 04/28/20 13:17**
Matrix: Water

427580-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	245238	04/28/20 12:00	04/29/20 01:22	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 00:09	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.27**	J	mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.27**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.099**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**6.3**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**1,700**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427580

Sample ID: N-002	Lab ID: 427580-002	Collected: 04/28/20 13:00
	Matrix: Water	

427580-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	245238	04/28/20 12:00	04/29/20 06:16	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 03:25	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.18**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.028**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**7.5**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**820**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Sample ID: N-003	Lab ID: 427580-003	Collected: 04/28/20 12:42
	Matrix: Water	

427580-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	245238	04/28/20 12:00	04/29/20 08:18	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 03:49	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.32**	J	mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.32**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.043**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**34**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427580

Sample ID: N-004 **Lab ID: 427580-004** **Collected: 04/28/20 14:05**
Matrix: Water

427580-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	245238	04/28/20 12:00	04/29/20 08:42	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 04:14	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.31**	J	mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.31**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.031**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**820**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Sample ID: L-001 **Lab ID: 427580-005** **Collected: 04/28/20 10:36**
Matrix: Water

427580-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/29/20 04:38	RKV
Nitrogen, Nitrate	**0.12**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 04:38	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.34**	J	mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.34**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.24**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**34**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427580

Sample ID: L-002	Lab ID: 427580-006	Collected: 04/28/20 11:20
	Matrix: Water	

427580-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245238	04/28/20 12:00	04/29/20 05:02	RKV
Nitrogen, Nitrate	**1.1**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 05:02	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.29**	J	mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.29**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.19**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**12**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**1,700**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Sample ID: L-003	Lab ID: 427580-007	Collected: 04/28/20 10:56
	Matrix: Water	

427580-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	245238	04/28/20 12:00	04/29/20 15:38	RKV
Nitrogen, Nitrate	**0.09**	J	mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 05:27	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.55**		mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.55**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**70**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427580

Sample ID: L-004 **Lab ID: 427580-008** **Collected: 04/28/20 11:45**
Matrix: Water

427580-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	245238	04/28/20 12:00	04/29/20 16:03	RKV
Nitrogen, Nitrate	**0.15**		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 05:51	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.40**		mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.40**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**490**		MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Sample ID: L-005 **Lab ID: 427580-009** **Collected: 04/28/20 12:30**
Matrix: Water

427580-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	245238	04/28/20 12:00	04/29/20 17:16	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 07:54	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.45**		mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.45**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.37**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427580

Sample ID: L-006	Lab ID: 427580-010	Collected: 04/28/20 12:05
	Matrix: Water	

427580-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	245238	04/28/20 12:00	04/29/20 17:41	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	1	245238	04/28/20 12:00	04/29/20 07:29	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.0**		mg/L	0.40	0.052	1	245320	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.98**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.020**	J	mg/L	0.10	0.010	1	245465	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.35**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO
Coliform, Total	**2,400**	>	MPN/100ml	1.0		1	245235	04/28/20 16:59	04/29/20 15:20	CCO

> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC866938	**Batch:** 245238
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC866938 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	04/28/20 12:00	04/28/20 16:19
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	04/28/20 12:00	04/28/20 16:19

Type: Lab Control Sample	**Lab ID:** QC866939	**Batch:** 245238
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC866939 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.627	9.150	mg/L	105%		90-110
Nitrogen, Nitrate	9.871	9.030	mg/L	109%		90-110

Type: Matrix Spike	**Lab ID:** QC866940	**Batch:** 245238
Matrix (Source ID): Water (427580-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC866940 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	6.865	ND	9.150	mg/L	75%	*	80-120	10
Nitrogen, Nitrate	9.414	ND	9.030	mg/L	104%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC866941	**Batch:** 245238
Matrix (Source ID): Water (427580-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC866941 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	6.730	ND	9.150	mg/L	74%	*	80-120	2	20	10
Nitrogen, Nitrate	9.476	ND	9.030	mg/L	105%		80-120	1	20	1

Type: Matrix Spike	**Lab ID:** QC866942	**Batch:** 245238
Matrix (Source ID): Water (427586-009)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC866942 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.297	ND	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	27.08	18.24	9.030	mg/L	98%		80-120	10

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate | **Lab ID:** QC866943 | **Batch:** 245238
Matrix (Source ID): Water (427586-009) | **Method:** EPA 300.0 | **Prep Method:** METHOD

QC866943 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.562	ND	9.150	mg/L	105%		80-120	3	20	1
Nitrogen, Nitrate	26.56	18.24	9.030	mg/L	92%		80-120	2	20	10

Type: Blank | **Lab ID:** QC867860 | **Batch:** 245634
Matrix: Water | **Method:** SM 4500-P-B5-E

QC867860 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	05/07/20	05/07/20

Type: Lab Control Sample | **Lab ID:** QC867861 | **Batch:** 245634
Matrix: Water | **Method:** SM 4500-P-B5-E

QC867861 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3830	0.4000	mg/L	96%		80-120

Type: Matrix Spike | **Lab ID:** QC867862 | **Batch:** 245634
Matrix (Source ID): Water (427580-010) | **Method:** SM 4500-P-B5-E

QC867862 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.7180	0.3460	0.4000	mg/L	93%		75-125	1

Type: Matrix Spike Duplicate | **Lab ID:** QC867863 | **Batch:** 245634
Matrix (Source ID): Water (427580-010) | **Method:** SM 4500-P-B5-E

QC867863 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.7170	0.3460	0.4000	mg/L	93%		75-125	0	20	1

Type: Blank | **Lab ID:** QC867473 | **Batch:** 245465
Matrix: Water | **Method:** SM 4500-NH3-G

QC867473 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	05/04/20	05/04/20

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Batch QC

Type: Lab Control Sample **Lab ID:** QC867474 **Batch:** 245465
Matrix: Water **Method:** SM 4500-NH3-G

QC867474 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.360	2.500	mg/L	94%		80-120

Type: Matrix Spike **Lab ID:** QC867475 **Batch:** 245465
Matrix (Source ID): Water (427576-001) **Method:** SM 4500-NH3-G

QC867475 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.400	ND	2.500	mg/L	96%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC867476 **Batch:** 245465
Matrix (Source ID): Water (427576-001) **Method:** SM 4500-NH3-G

QC867476 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.450	ND	2.500	mg/L	98%		80-120	2	20	1

Type: Blank **Lab ID:** QC867126 **Batch:** 245320
Matrix: Water **Method:** EPA 351.2 **Prep Method:** METHOD

QC867126 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.026	04/29/20	04/30/20

Type: Lab Control Sample **Lab ID:** QC867127 **Batch:** 245320
Matrix: Water **Method:** EPA 351.2 **Prep Method:** METHOD

QC867127 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.340	2.500	mg/L	94%		90-110

Type: Matrix Spike **Lab ID:** QC867128 **Batch:** 245320
Matrix (Source ID): Water (427580-010) **Method:** EPA 351.2 **Prep Method:** METHOD

QC867128 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.20	1.030	12.50	mg/L	97%		90-110	2.5

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC867129**	**Batch:**	**245320**
Matrix (Source ID):	**Water (427580-010)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC867129 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.50	1.030	12.50	mg/L	92%		90-110	5	20	2.5

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

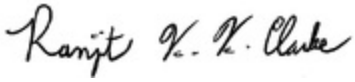
Lab Job Number: 427620
Report Level: II
Report Date: 05/09/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Location: Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 427620
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/29/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	427620-001	04/29/20 09:20	Water
MCWP-MW04D	427620-002	04/29/20 12:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number: 427620 Location: Malibu - Quarterly/Semi-Annual Date Received: 04/29/20

This data package contains sample and QC results for two water samples, requested for the above referenced project on 04/29/20. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):
No analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):
Matrix spikes were not performed for this analysis due to insufficient sample volume. No analytical problems were encountered.

Total Notrogen, by Calculation (TOTAL NITROGEN):
No analytical problems were encountered.

Organic Nitrogen, by Calculation (ORGANIC NITROGEN):
No analytical problems were encountered.

Total Dissolved Solids (TDS) (SM2540C):
No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):
No analytical problems were encountered.

Free Chlorine (SM 4500-CL-G):
No analytical problems were encountered.

pH of Aqueous Samples (SM 4500-H+ B):
No analytical problems were encountered.

Soluble Biochemical Oxygen Demand (SM5210B):
No analytical problems were encountered.

Odor (SM 2150B):
No analytical problems were encountered.

Turbidity (SM2130B):
No analytical problems were encountered.

Color by Visual Comparison (SM2120B):
No analytical problems were encountered.

Surfactants (MBAS) (SM5540C):
No analytical problems were encountered.

Total Coliform / E. coli by Quanti-Tray (SM 9223Bb):
No analytical problems were encountered.

Ammonia and TKN- Semi-Automated Method (SM 4500-NH3-G):
No analytical problems were encountered.

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 427620	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	15-01587
Email:		P.O. #:	~~15-10587~~
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
~~LAMW-55~~						X	X	X	X	X	X	X	X	MC
SMBRP-9	4/29/20	0920	W	12		X	X	X	X	X	X	X	X	
~~SMBRP-11~~						X	X	X	X	X	X	X	X	MC
~~SMBRP-12~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	MC
MCWP-MW04D	4/29/20	1200	W	12		X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS INC.	4/29/20 / 1345
Received By:		[illegible]	Enthalpy	4/29/20 1345
Relinquished By:		[illegible]	"	4/29/20 1500
Received By:		CHRISTINE C.	EA	4/29/20 1536
Relinquished By:				

0.8 / 3.5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Date Received: 4/29/20

Project: Malibu - Annual

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: Chris Cano Date: 4/29/20

ENTHALPY ANALYTICAL

Analysis Results for 427620

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 427620
Location: Malibu - Quarterly/Semi-Annual
Date Received: 04/29/20

Sample ID: SMBRP-9 **Lab ID: 427620-001** **Collected: 04/29/20 09:20**
Matrix: Water

427620-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245561	05/05/20	05/05/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.51**	b	mg/L	0.050	0.030	1	245303	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**170**		mg/L	1.0	0.086	1	245279	04/29/20 12:00	04/30/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245279	04/29/20 12:00	04/30/20 09:10	RKV
Nitrogen, Nitrate	**3.1**		mg/L	0.10	0.01	1	245279	04/29/20 12:00	04/30/20 09:10	RKV
Sulfate	**260**		mg/L	50	3.9	50	245279	04/29/20 12:00	04/30/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.39**	J	mg/L	0.40	0.052	1	245357	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.39**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245297	04/29/20 18:20	04/29/20 18:20	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.37**	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**7.06**	H	SU			1	245515	04/29/20 15:40	04/29/20 15:40	WWC
Temperature	**15.30**	H	deg C	1.00		1	245515	04/29/20 15:40	04/29/20 15:40	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245463	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.055**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**10**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	245433	04/29/20 17:16	04/30/20 15:46	LXH
Coliform, Total	**32**		MPN/100ml	1.0		1	245433	04/29/20 17:16	04/30/20 15:46	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	245295	04/29/20 18:20	04/29/20 18:20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427620

427620-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2130B										
Turbidity	**250**		NTU	0.10	0.07	1	245302	04/29/20 18:20	04/30/20 10:24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	245371	04/30/20	05/01/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**280**		mg/L	2.0	2.0	4	245359	04/30/20	05/01/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	245278	04/29/20 15:40	05/04/20 14:00	WWC
Method: SM5540C										
Surfactants (MBAS)	**0.43**		mg/L	0.080	0.054	2	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**3.5**		mg/L			1	245648	05/07/20	05/07/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427620

Sample ID: MCWP-MW04D	Lab ID: 427620-002	Collected: 04/29/20 12:00
	Matrix: Water	

427620-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	245561	05/05/20	05/05/20	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.75**	b	mg/L	0.050	0.030	1	245303	04/29/20	04/30/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**240**		mg/L	50	4.3	50	245279	04/29/20 12:00	04/30/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	245279	04/29/20 12:00	04/30/20 09:59	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.01	1	245279	04/29/20 12:00	04/30/20 09:59	RKV
Sulfate	**540**		mg/L	50	3.9	50	245279	04/29/20 12:00	04/30/20 23:59	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.28**	J	mg/L	0.40	0.052	1	245357	04/29/20	04/30/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	245641	05/07/20	05/07/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	245297	04/29/20 18:20	04/29/20 18:20	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	245289	04/29/20 17:26	04/29/20 17:26	WWC
Method: SM 4500-H+ B										
pH	**6.97**	H	SU			1	245515	04/29/20 15:45	04/29/20 15:45	WWC
Temperature	**15.00**	H	deg C	1.00		1	245515	04/29/20 15:45	04/29/20 15:45	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	245463	05/04/20	05/04/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.066**		mg/L	0.020	0.010	1	245634	05/07/20	05/07/20	ATP
Method: SM 5310B										
Total Organic Carbon	**6.8**		mg/L	1.0	0.091	1	245354	04/30/20	04/30/20	ECC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	245433	04/29/20 17:16	04/30/20 15:46	LXH
Coliform, Total	<1.0		MPN/100ml	1.0		1	245433	04/29/20 17:16	04/30/20 15:46	LXH
Method: SM2120B										
Color	ND		ColorUnits	5		1	245295	04/29/20 18:20	04/29/20 18:20	WWC
Method: SM2130B										
Turbidity	**0.67**		NTU	0.10	0.07	1	245302	04/29/20 18:20	04/30/20 10:24	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	245371	04/30/20	05/01/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 427620

427620-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6	0.6	1.1	245359	04/30/20	05/01/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	245278	04/29/20 15:45	05/04/20 14:00	WWC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	245323	04/29/20 15:00	04/29/20 18:40	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.8**		mg/L			1	245648	05/07/20	05/07/20	SLL

< Value is less than indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC867050**	**Batch:**	**245279**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC867050 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.086	04/29/20 12:00	04/30/20 02:38
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	04/29/20 12:00	04/30/20 02:38
Nitrogen, Nitrate	ND		mg/L	0.10	0.01	04/29/20 12:00	04/30/20 02:38
Sulfate	ND		mg/L	1.0	0.077	04/29/20 12:00	04/30/20 02:38

Type:	**Lab Control Sample**	**Lab ID:**	**QC867051**	**Batch:**	**245279**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC867051 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	106.3	100.0	mg/L	106%		90-110
Nitrogen, Nitrite	9.501	9.150	mg/L	104%		90-110
Nitrogen, Nitrate	9.622	9.030	mg/L	107%		90-110
Sulfate	52.66	50.00	mg/L	105%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC867052**	**Batch:**	**245279**
Matrix (Source ID):	**Drinking Water (427611-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC867052 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	171.8	76.08	100.0	mg/L	96%		80-120	1
Nitrogen, Nitrite	9.386	ND	9.150	mg/L	103%		80-120	1
Nitrogen, Nitrate	14.02	4.517	9.030	mg/L	105%		80-120	1
Sulfate	117.7	77.90	50.00	mg/L	80%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC867053**	**Batch:**	**245279**
Matrix (Source ID):	**Drinking Water (427611-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC867053 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	172.1	76.08	100.0	mg/L	96%		80-120	0	20	1
Nitrogen, Nitrite	9.365	ND	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	14.17	4.517	9.030	mg/L	107%		80-120	1	20	1
Sulfate	119.1	77.90	50.00	mg/L	82%		80-120	1	20	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC867054**	**Batch:**	**245279**
Matrix (Source ID):	**Drinking Water (427631-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC867054 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	244.9	159.4	100.0	mg/L	85%		80-120	10
Nitrogen, Nitrite	9.375	ND	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	11.76	2.485	9.030	mg/L	103%		80-120	1
Sulfate	51.69	ND	50.00	mg/L	102%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC867055**	**Batch:**	**245279**
Matrix (Source ID):	**Drinking Water (427631-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC867055 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	242.6	159.4	100.0	mg/L	83%		80-120	1	20	10
Nitrogen, Nitrite	9.601	ND	9.150	mg/L	105%		80-120	2	20	1
Nitrogen, Nitrate	11.98	2.485	9.030	mg/L	105%		80-120	2	20	1
Sulfate	52.36	ND	50.00	mg/L	103%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC867860**	**Batch:**	**245634**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC867860 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	05/07/20	05/07/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC867861**	**Batch:**	**245634**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC867861 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3830	0.4000	mg/L	96%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC867862**	**Batch:**	**245634**
Matrix (Source ID):	**Water (427580-010)**	**Method:**	**SM 4500-P-B5-E**		

QC867862 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.7180	0.3460	0.4000	mg/L	93%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC867863**	**Batch:**	**245634**
Matrix (Source ID):	**Water (427580-010)**	**Method:**	**SM 4500-P-B5-E**		

QC867863 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.7170	0.3460	0.4000	mg/L	93%		75-125	0	20	1

Type:	**Blank**	**Lab ID:**	**QC867048**	**Batch:**	**245278**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC867048 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		04/29/20 16:30	05/04/20 14:00

Type:	**Lab Control Sample**	**Lab ID:**	**QC867049**	**Batch:**	**245278**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC867049 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	206.0	198.0	mg/L	104%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC867085**	**Batch:**	**245303**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC867085 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND	b	mg/L	0.050	0.030	04/29/20	04/30/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC867086**	**Batch:**	**245303**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC867086 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.850	2.000	mg/L	93%	b	85-115

Type:	**Sample Spike**	**Lab ID:**	**QC867087**	**Batch:**	**245303**
Matrix (Source ID):	**Water (427607-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC867087 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.9571	0.08220	1.000	mg/L	87%	b	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC867223	**Batch:** 245359
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC867223 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5	0.5	04/30/20	05/01/20

Type: Sample Duplicate	**Lab ID:** QC867224	**Batch:** 245359
Matrix (Source ID): Water (427620-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC867224 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	288.0	279.6	mg/L		3	5	4

Type: Blank	**Lab ID:** QC867249	**Batch:** 245371
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC867249 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		04/30/20	05/01/20

Type: Lab Control Sample	**Lab ID:** QC867250	**Batch:** 245371
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC867250 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	94.00	100.0	mg/L	94%		90-110

Type: Sample Duplicate	**Lab ID:** QC867251	**Batch:** 245371
Matrix (Source ID): Drinking Water (427611-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC867251 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	346.0	346.0	mg/L		0	5	2

Type: Blank	**Lab ID:** QC867216	**Batch:** 245357
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC867216 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.13	0.052	04/29/20	04/30/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC867217	Batch: 245357
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC867217 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.640	2.500	mg/L	106%		90-110

Type: Matrix Spike	Lab ID: QC867218	Batch: 245357
Matrix (Source ID): Water (427620-002)	Method: EPA 351.2	Prep Method: METHOD

QC867218 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.70	0.2840	12.50	mg/L	99%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC867219	Batch: 245357
Matrix (Source ID): Water (427620-002)	Method: EPA 351.2	Prep Method: METHOD

QC867219 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.50	0.2840	12.50	mg/L	98%		90-110	2	20	2.5

Type: Sample Duplicate	Lab ID: QC867084	Batch: 245302
Matrix (Source ID): Drinking Water (427604-011)	Method: SM2130B	

QC867084 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.2300	0.2290	NTU		0	20	1

Type: Blank	Lab ID: QC867204	Batch: 245354
Matrix: Water	Method: SM 5310B	

QC867204 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	04/30/20	04/30/20

Type: Lab Control Sample	Lab ID: QC867205	Batch: 245354
Matrix: Water	Method: SM 5310B	

QC867205 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.718	10.00	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike **Lab ID: QC867206** **Batch: 245354**
Matrix (Source ID): Water (427633-001) **Method: SM 5310B**

QC867206 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	22.62	3.991	20.00	mg/L	93%		80-120	2

Type: Matrix Spike Duplicate **Lab ID: QC867207** **Batch: 245354**
Matrix (Source ID): Water (427633-001) **Method: SM 5310B**

QC867207 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	20.90	3.991	20.00	mg/L	85%		80-120	8	20	2

Type: Blank **Lab ID: QC867069** **Batch: 245289**
Matrix: Water **Method: SM 4500-CL-G**

QC867069 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	04/29/20 17:26	04/29/20 17:26

Type: Lab Control Sample **Lab ID: QC867070** **Batch: 245289**
Matrix: Water **Method: SM 4500-CL-G**

QC867070 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9560	1.000	mg/L	96%		80-120

Type: Sample Duplicate **Lab ID: QC867071** **Batch: 245289**
Matrix (Source ID): Water (427576-002) **Method: SM 4500-CL-G**

QC867071 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	0.6400	0.6410	mg/L		0	20	1

Type: Blank **Lab ID: QC867467** **Batch: 245463**
Matrix: Water **Method: SM 4500-NH3-G**

QC867467 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	05/04/20	05/04/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC867468	Batch: 245463
Matrix: Water	Method: SM 4500-NH3-G	

QC867468 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.360	2.500	mg/L	94%		80-120

Type: Matrix Spike	Lab ID: QC867469	Batch: 245463
Matrix (Source ID): Water (427620-002)	Method: SM 4500-NH3-G	

QC867469 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.430	ND	2.500	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC867470	Batch: 245463
Matrix (Source ID): Water (427620-002)	Method: SM 4500-NH3-G	

QC867470 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.320	ND	2.500	mg/L	93%		80-120	5	20	1

Type: Blank	Lab ID: QC867663	Batch: 245561
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC867663 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	05/05/20	05/05/20

Type: Lab Control Sample	Lab ID: QC867664	Batch: 245561
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC867664 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.50	40.00	mg/L	91%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC867665	Batch: 245561
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC867665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.60	40.00	mg/L	99%		78-114	8	18

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate **Lab ID:** QC867079 **Batch:** 245297
Matrix (Source ID): Drinking Water (427604-011) **Method:** SM 2150B

QC867079 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank **Lab ID:** QC867134 **Batch:** 245323
Matrix: Water **Method:** SM5540C

QC867134 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	04/29/20 15:00	04/29/20 18:40

Type: Lab Control Sample **Lab ID:** QC867135 **Batch:** 245323
Matrix: Water **Method:** SM5540C

QC867135 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9930	1.000	mg/L	99%		90-110

Type: Matrix Spike **Lab ID:** QC867136 **Batch:** 245323
Matrix (Source ID): Water (427620-002) **Method:** SM5540C

QC867136 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.011	ND	1.000	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC867137 **Batch:** 245323
Matrix (Source ID): Water (427620-002) **Method:** SM5540C

QC867137 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9760	ND	1.000	mg/L	97%		80-120	4	20	1

Type: Sample Duplicate **Lab ID:** QC867074 **Batch:** 245295
Matrix (Source ID): Drinking Water (427604-011) **Method:** SM2120B

QC867074 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

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Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC867580**	**Batch:**	**245515**
Matrix (Source ID):	**Water (427501-002)**	**Method:**	**SM 4500-H+ B**		

QC867580 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.520	6.510	SU		0	20	1
Temperature	12.70	12.70	deg C		0	20	1

ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

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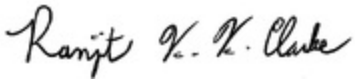
Lab Job Number:	432391
Report Level:	II
Report Date:	09/24/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - Long Term GW + SNMP MOU - Partial Report (EPA 1694 pending)

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432391
Project No: MALIBU
Location: Annual - Long Term GW + SNMP MOU - Partial Report (EPA 1694 pending)
Date Received: 08/18/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	432391-001	08/18/20 09:05	Water
MCWP-MW07S	432391-002	08/18/20 10:45	Water
MCWP-MW07D	432391-003	08/18/20 11:50	Water
MCWP-MW04S	432391-004	08/18/20 12:30	Water
LAMW-55	432391-005	08/18/20 09:00	Water
SMBRP-11	432391-006	08/18/20 10:45	Water
MBCMW-9	432391-007	08/18/20 11:15	Water

Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number: 432391 Project No: MALIBU Location: Annual - Long Term GW + SNMP MOU Date Received: 08/18/20

This data package contains sample and QC results for seven water samples, requested for the above referenced project on 08/18/20. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 524.2):
Methylene chloride was detected above the RL in the method blank for batch 251342. Methylene chloride was detected above the RL in a number of samples; this analyte is a common laboratory contaminant. No other analytical problems were encountered.

Metals (EPA 200.7, EPA 200.8, EPA 245.1, and EPA 245.1):
High response was observed for mercury in the ICV analyzed 08/19/20 17:53; affected data was qualified with "b". Low recoveries were observed for chromium and selenium in the matrix spike for batch 251263; the parent sample was not a project sample, and the LCS was within limits. Calcium was detected between the MDL and the RL in the method blank for batch 251222; this analyte was detected in samples at a level at least 10 times that of the blank. No other analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):
Low recoveries were observed for chloride in the MS/MSD for batch 251195; the parent sample was not a project sample. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 432391

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	RINCON CONSULTANTS	Name:	MALIBU - ANNUAL
Report To:	Kiernan Brtalik	Number:	20-0965
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. ASHWOOD	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	T/F Coliforms	Metals: 200.7, 200.8, 245.1	300.0: Cl, F, NO2, NO3, SO4; Perchlorate	Cyanide: Total	TKN, NH3, Phosphorus	TOC, BOD, TDS, TSS	MBAS, Turbidity	pH, Residual chlorine, color, odor	Corrosivity	1664, 1613, 624	524.2 - DW	Test Instructions / Comments
1	SMBRP-9	8/18/20	0905	W			X	X	X	X	X	X	X	X	X	X	X	
2	MCWP - MW07S	8/18/20	1045	W			X	X	X	X	X	X	X	X	X	X	X	
3	MCWP - MW07D	8/18/20	1150	W			X	X	X	X	X	X	X	X	X	X	X	
4	MCWP- MW04S	8/18/20	1230	W			X	X	X	X	X	X	X	X	X	X	X	
5																		
6																		
7																		
8																		
9																		
10																		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	RINCON CONSULTANTS.	8/18/20 / 1450
1 Received By:		JAIME A	EA	8/18/20 1450
2 Relinquished By:		JAIME A	EA	8/18/20 1646
2 Received By:		Kim	EA	8/18/20 1646
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	RINCON CONSULTANTS	Name:	MALIBU - ANNUAL
Report To:	KIERNAN BRTALIK	Number:	20-0966S
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. ASHWOOD	Address:	
	VENTURA, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	GROSS ALPHA + BETA, RADIUM 226, RADIUM 228, URANIUM	RADIUM 228 in Drinking water	ASBESTOS	Test Instructions / Comments
1	SMBRP-9	8/18/20	0905	W			X	X	X	
2	MCWP-MW07S	8/18/20	1045	W			X	X	X	
3	MCWP-MW07D	8/18/20	1150	W			X	X	X	
4	MCWP-MW04S	8/18/20	1230	W			X	X	X	
5										
6										
7										
8										
9										
10										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS	8/18/20 1450
[1] Received By:		JAIME A	EA	8/18/2020 1450
[2] Relinquished By:		JAIME A	EA	8/18/2020 1646
[2] Received By:		G Kim	EA	8/18/20 1646
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	RINCON CONSULTANTS	Name:	MALIBU - ANNUAL
Report To:	Kiernan Brtalik	Number:	20-09665
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. ASHWOOD	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	T/F COLIFORMS	300.0: NO2, NO3	TKN, NH3, PHOSPHORUS	TDS	Test Instructions / Comments
1	LAMW-5S	8/18/20	0900	W			X	X	X	X	
2	SMBRP-11	8/18/20	1045	W			X	X	X	X	
3	MBCMW-9	8/18/20	1115	W			X	X	X	X	
4											
5											
6											
7											
8											
9											
10											

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants	8/18/20 1450
1 Received By:		JAIRO A	EA	8/18/2020 1450
2 Relinquished By:		JAIRO A	EA	8/18/2020 1646
2 Received By:		Glen	EA	8/18/20 1640
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Annual - Malibu

Date Received: 8/18/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 9 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 11.0 #2: 9.2 #3: 15.8 #4: 14.2

(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: 8.0 #2: 7.7 #3: 13.6 #4: 13.8

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 temperature in °C: 6.7/4.7, 14.2/0.6, 19.2/1.1, 10.1/9.4, 20.2/13.8
Sample 004: "MCWP-MW04S" No container received for EPA 531 and 547.
Not listed on the COC: EPA 500s DW series, EPA1694, EPA 218.7, EPA 300.1, EPA 906
4 containers per sample received for EPA 1613

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: 8/18/20

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Weck Laboratories, Inc.
14859 Clark Ave.
Hacienda Heights, CA 91745
ATTN: Regina Giancola
PO #: Required, to be sent via email

Enthalpy Order: EO-432391
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2020 09:05	432391-001	1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	Bromate by 300.1 - OUT	
MCWP-MW07S	18-AUG-2020 10:45	432391-002	1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	Bromate by 300.1 - OUT	
MCWP-MW07D	18-AUG-2020 11:50	432391-003	1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	Bromate by 300.1 - OUT	
MCWP-MW04S	18-AUG-2020 12:30	432391-004	1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	Bromate by 300.1 - OUT	

Notes:	Relinquished By:	Received By:
	[signature]	Hector Santos
	Date: 8/20/20 15:13	Date: 8/20/20 1513
	Date:	Date:
	Date:	Date:

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Weck Laboratories, Inc.
14859 Clark Ave.
Hacienda Heights, CA 91745
ATTN: Regina Giancola
PO #: 1055973

Enthalpy Order: EO-432391
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Same target list and reporting limits as Weck Report #9H15070.

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2020 09:05	432391-001	1	Water	Hexavalent Chromium by EPA 218.6	
			1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	EPA 625 Low Level	
				Water	Bromate by 300.1 - OUT	
				Water	EPA 300.1 for Chlorate by IC	
				Water	Method 1694: Pharmaceuticals and PCPs by HPLC/MS/MS	
				Water	EPA 1625 Isotope Dilution for NDMA	
MCWP-MW07S	18-AUG-2020 10:45	432391-002	1	Water	Hexavalent Chromium by EPA 218.6	
			1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	EPA 625 Low Level	
				Water	Bromate by 300.1 - OUT	
				Water	EPA 300.1 for Chlorate by IC	
				Water	Method 1694: Pharmaceuticals and PCPs by HPLC/MS/MS	
				Water	EPA 1625 Isotope Dilution for NDMA	
MCWP-MW07D	18-AUG-2020 11:50	432391-003	1	Water	Hexavalent Chromium by EPA 218.6	
			1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	EPA 625 Low Level	
				Water	Bromate by 300.1 - OUT	
				Water	EPA 300.1 for Chlorate by IC	
				Water	Method 1694: Pharmaceuticals and PCPs by HPLC/MS/MS	
				Water	EPA 1625 Isotope Dilution for NDMA	
MCWP-MW04S	18-AUG-2020 12:30	432391-004	1	Water	Hexavalent Chromium by EPA 218.6	
			1	Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	EPA 625 Low Level	
				Water	Bromate by 300.1 - OUT	
				Water	EPA 300.1 for Chlorate by IC	
				Water	Method 1694: Pharmaceuticals and PCPs by HPLC/MS/MS	
				Water	EPA 1625 Isotope Dilution for NDMA	

Notes:	Relinquished By:	Received By:
	[signature]	[signature]
	Date: 8/20/20 15:17	Date: 8-20-20 / 15:17
	Date:	Date:
	Date:	Date:

ENTHALPY ANALYTICAL

Analysis Results for 432391

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432391
Project No: MALIBU
Location: Annual - Long Term GW + SNMP MOU
- Partial Report (EPA 1694 pending)
Date Received: 08/18/20

Sample ID: SMBRP-9 **Lab ID: 432391-001** **Collected: 08/18/20 09:05**
Matrix: Water

432391-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	**16**		ug/L	1.0		1	251263	08/19/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.57**		mg/L	0.050	0.012	1	251222	08/19/20	08/19/20	SBW
Calcium	**73**		mg/L	0.10	0.033	1	251222	08/19/20	08/19/20	SBW
Iron	**4.5**		mg/L	0.020	0.016	1	251222	08/19/20	08/19/20	SBW
Magnesium	**170**		mg/L	0.10	0.048	1	251222	08/19/20	08/19/20	SBW
Manganese	**0.097**		mg/L	0.010	0.0030	1	251222	08/19/20	08/19/20	SBW
Potassium	**2.5**		mg/L	0.50	0.18	1	251222	08/19/20	08/19/20	SBW
Sodium	**230**		mg/L	0.50	0.061	1	251222	08/19/20	08/19/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**1,700**		ug/L	10	2.2	1	251263	08/19/20	08/19/20	JCP
Antimony	**44**		ug/L	2.5	0.30	5	251263	08/19/20	08/22/20	JCP
Arsenic	**46**		ug/L	10	1.9	5	251263	08/19/20	08/22/20	JCP
Barium	**110**		ug/L	25	1.4	5	251263	08/19/20	08/22/20	JCP
Beryllium	**22**		ug/L	0.50	0.035	1	251263	08/19/20	08/19/20	JCP
Cadmium	**44**		ug/L	1.0	0.17	5	251263	08/19/20	08/22/20	JCP
Chromium	**21**		ug/L	1.0	0.30	1	251263	08/19/20	08/19/20	JCP
Copper	**52**		ug/L	2.5	0.25	5	251263	08/19/20	08/22/20	JCP
Lead	**46**		ug/L	2.5	0.22	5	251263	08/19/20	08/22/20	JCP
Nickel	**56**		ug/L	5.0	1.0	5	251263	08/19/20	08/22/20	JCP
Selenium	**50**		ug/L	10	1.4	5	251263	08/19/20	08/22/20	JCP
Silver	**46**		ug/L	1.0	0.13	5	251263	08/19/20	08/24/20	JCP
Thallium	**45**		ug/L	5.0	1.2	5	251263	08/19/20	08/22/20	JCP
Zinc	**61**		ug/L	50	21	5	251263	08/19/20	08/22/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251812	08/27/20	08/28/20	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**190**		mg/L	10	1.4	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 01:26	08/20/20 01:26	RKV
Nitrogen, Nitrate	**11**		mg/L	1.0	0.45	10	251195	08/20/20 01:26	08/20/20 01:26	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**270**		mg/L	10	2.5	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	**11**		mg/L	1.0		10	251195	08/20/20 01:26	08/20/20 01:26	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	**15**		ug/L	4.0	1.1	2	251376	08/20/20	08/20/20	RKV
Method: EPA 524.2 Prep Method: METHOD										
Acrolein	ND		ug/L	5.0	3.3	1	251342	08/20/20	08/20/20	LYZ
Acrylonitrile	ND		ug/L	2.0	0.8	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251342	08/20/20	08/20/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251342	08/20/20	08/20/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251342	08/20/20	08/20/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251342	08/20/20	08/20/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251342	08/20/20	08/20/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251342	08/20/20	08/20/20	LYZ
Methylene Chloride	**2.4**	B	ug/L	0.50	0.16	1	251342	08/20/20	08/20/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251342	08/20/20	08/20/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251342	08/20/20	08/20/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251342	08/20/20	08/20/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251342	08/20/20	08/20/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251342	08/20/20	08/20/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251342	08/20/20	08/20/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251342	08/20/20	08/20/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251342	08/20/20	08/20/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251342	08/20/20	08/20/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251342	08/20/20	08/20/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**						
Bromofluorobenzene	97%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane-d4	96%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Dibromofluoromethane	99%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Toluene-d8	107%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	251310	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM 2330B										
CCPP	**0.24**		SU			1	251807	08/27/20	08/27/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251389	08/19/20 15:16	08/19/20 15:16	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**1.1**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**7.13**	H	SU			1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Temperature	**23.90**	H	deg C	1.00		1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.50**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.090**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.091	1	251282	08/18/20	08/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**280**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2120B										
Color	**25**		ColorUnits	5		1	251311	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2130B										
Turbidity	**30**		NTU	0.10	0.07	1	251308	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**900**		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Carbonate	ND		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Hydroxide	ND		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Alkalinity, Total as CaCO3	**740**		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	251390	08/19/20	08/20/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**110**		mg/L	1.3		2.5	251461	08/20/20	08/20/20	NLP
Method: SM5540C										
Surfactants (MBAS)	**0.64**		mg/L	0.040	0.027	1	251372	08/19/20 11:00	08/19/20 19:14	NLP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

Sample ID: MCWP-MW07S	Lab ID: 432391-002	Collected: 08/18/20 10:45
	Matrix: Water	

432391-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	251263	08/19/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.35**		mg/L	0.050	0.012	1	251222	08/19/20	08/19/20	SBW
Calcium	**96**		mg/L	0.10	0.033	1	251222	08/19/20	08/19/20	SBW
Iron	**9.4**		mg/L	0.020	0.016	1	251222	08/19/20	08/19/20	SBW
Magnesium	**81**		mg/L	0.10	0.048	1	251222	08/19/20	08/19/20	SBW
Manganese	**0.58**		mg/L	0.010	0.0030	1	251222	08/19/20	08/19/20	SBW
Potassium	**5.7**		mg/L	0.50	0.18	1	251222	08/19/20	08/19/20	SBW
Sodium	**230**		mg/L	0.50	0.061	1	251222	08/19/20	08/19/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**910**		ug/L	10	2.2	1	251263	08/19/20	08/19/20	JCP
Antimony	ND		ug/L	2.5	0.30	5	251263	08/19/20	08/22/20	JCP
Arsenic	**7.6**	J	ug/L	10	1.9	5	251263	08/19/20	08/22/20	JCP
Barium	**83**		ug/L	25	1.4	5	251263	08/19/20	08/22/20	JCP
Beryllium	**0.069**	J	ug/L	0.50	0.035	1	251263	08/19/20	08/19/20	JCP
Cadmium	**0.20**	J	ug/L	1.0	0.17	5	251263	08/19/20	08/22/20	JCP
Chromium	ND		ug/L	1.0	0.30	1	251263	08/19/20	08/19/20	JCP
Copper	**8.8**		ug/L	2.5	0.25	5	251263	08/19/20	08/22/20	JCP
Lead	**2.2**	J	ug/L	2.5	0.22	5	251263	08/19/20	08/22/20	JCP
Nickel	**16**		ug/L	5.0	1.0	5	251263	08/19/20	08/22/20	JCP
Selenium	**4.0**	J	ug/L	10	1.4	5	251263	08/19/20	08/22/20	JCP
Silver	ND		ug/L	1.0	0.13	5	251263	08/19/20	08/24/20	JCP
Thallium	ND		ug/L	5.0	1.2	5	251263	08/19/20	08/22/20	JCP
Zinc	ND		ug/L	50	21	5	251263	08/19/20	08/22/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251315	08/19/20	08/19/20	JCP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	10	1.4	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 01:50	08/20/20 01:50	RKV
Nitrogen, Nitrate	**3.3**		mg/L	1.0	0.45	10	251195	08/20/20 01:50	08/20/20 01:50	RKV
Sulfate	**220**		mg/L	10	2.5	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	**3.3**		mg/L	1.0		10	251195	08/20/20 01:50	08/20/20 01:50	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	4.0	1.1	2	251376	08/20/20	08/20/20	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 524.2 Prep Method: METHOD										
Acrolein	ND		ug/L	5.0	3.3	1	251342	08/20/20	08/20/20	LYZ
Acrylonitrile	ND		ug/L	2.0	0.8	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251342	08/20/20	08/20/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251342	08/20/20	08/20/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251342	08/20/20	08/20/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251342	08/20/20	08/20/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251342	08/20/20	08/20/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251342	08/20/20	08/20/20	LYZ
Methylene Chloride	**2.2**	B	ug/L	0.50	0.16	1	251342	08/20/20	08/20/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251342	08/20/20	08/20/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251342	08/20/20	08/20/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251342	08/20/20	08/20/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251342	08/20/20	08/20/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251342	08/20/20	08/20/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251342	08/20/20	08/20/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251342	08/20/20	08/20/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251342	08/20/20	08/20/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251342	08/20/20	08/20/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251342	08/20/20	08/20/20	LYZ
Surrogates				**Limits**						
Bromofluorobenzene	94%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane-d4	97%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Dibromofluoromethane	100%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Toluene-d8	112%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	251310	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM 2330B										
CCPP	**0.45**		SU			1	251807	08/27/20	08/27/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251389	08/19/20 15:16	08/19/20 15:16	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**0.45**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**7.40**	H	SU			1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Temperature	**23.80**	H	deg C	1.00		1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.29**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	ND		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**1.6**		mg/L	1.0	0.091	1	251282	08/18/20	08/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**5.2**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2120B										
Color	**55**		ColorUnits	5		1	251311	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2130B										
Turbidity	**57**		NTU	0.10	0.07	1	251308	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**540**		mg/L	25		5	251385	08/20/20	08/20/20	WWC
Carbonate	ND		mg/L	25		5	251385	08/20/20	08/20/20	WWC
Hydroxide	ND		mg/L	25		5	251385	08/20/20	08/20/20	WWC
Alkalinity, Total as CaCO3	**440**		mg/L	25		5	251385	08/20/20	08/20/20	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	251390	08/19/20	08/20/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**74**		mg/L	1.3		2.5	251461	08/20/20	08/20/20	NLP
Method: SM5540C										
Surfactants (MBAS)	**0.15**		mg/L	0.040	0.027	1	251372	08/19/20 11:00	08/19/20 19:14	NLP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 432391

Sample ID: MCWP-MW07D	Lab ID: 432391-003	Collected: 08/18/20 11:50
	Matrix: Water	

432391-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	251263	08/19/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.17**		mg/L	0.050	0.012	1	251222	08/19/20	08/19/20	SBW
Calcium	**35**		mg/L	0.10	0.033	1	251222	08/19/20	08/19/20	SBW
Iron	**1.3**		mg/L	0.020	0.016	1	251222	08/19/20	08/19/20	SBW
Magnesium	**16**		mg/L	0.10	0.048	1	251222	08/19/20	08/19/20	SBW
Manganese	**0.094**		mg/L	0.010	0.0030	1	251222	08/19/20	08/19/20	SBW
Potassium	**12**		mg/L	0.50	0.18	1	251222	08/19/20	08/19/20	SBW
Sodium	**72**		mg/L	0.50	0.061	1	251222	08/19/20	08/19/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**590**		ug/L	10	2.2	1	251263	08/19/20	08/19/20	JCP
Antimony	**0.91**		ug/L	0.50	0.028	1	251263	08/19/20	08/19/20	JCP
Arsenic	**2.1**		ug/L	2.0	0.38	1	251263	08/19/20	08/19/20	JCP
Barium	**38**		ug/L	25	1.4	5	251263	08/19/20	08/22/20	JCP
Beryllium	ND		ug/L	0.50	0.035	1	251263	08/19/20	08/19/20	JCP
Cadmium	**0.29**		ug/L	0.20	0.012	1	251263	08/19/20	08/19/20	JCP
Chromium	ND		ug/L	1.0	0.30	1	251263	08/19/20	08/19/20	JCP
Copper	**11**		ug/L	0.50	0.023	1	251263	08/19/20	08/19/20	JCP
Lead	**1.4**	J	ug/L	2.5	0.22	5	251263	08/19/20	08/22/20	JCP
Nickel	**7.7**		ug/L	1.0	0.20	1	251263	08/19/20	08/19/20	JCP
Selenium	**1.5**	J	ug/L	2.0	0.24	1	251263	08/19/20	08/19/20	JCP
Silver	**0.14**	B,J	ug/L	0.20	0.014	1	251263	08/19/20	08/19/20	JCP
Thallium	ND		ug/L	5.0	1.2	5	251263	08/19/20	08/22/20	JCP
Zinc	**36**	J	ug/L	50	21	5	251263	08/19/20	08/22/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251315	08/19/20	08/19/20	JCP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**300**		mg/L	10	1.4	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 02:15	08/20/20 02:15	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/20/20 02:15	08/20/20 02:15	RKV
Sulfate	**240**		mg/L	10	2.5	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/20/20 02:15	08/20/20 02:15	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	4.0	1.1	2	251376	08/20/20	08/20/20	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 524.2 Prep Method: METHOD										
Acrolein	ND		ug/L	5.0	3.3	1	251342	08/20/20	08/20/20	LYZ
Acrylonitrile	ND		ug/L	2.0	0.8	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251342	08/20/20	08/20/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251342	08/20/20	08/20/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251342	08/20/20	08/20/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251342	08/20/20	08/20/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251342	08/20/20	08/20/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251342	08/20/20	08/20/20	LYZ
Methylene Chloride	**2.0**	B	ug/L	0.50	0.16	1	251342	08/20/20	08/20/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251342	08/20/20	08/20/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251342	08/20/20	08/20/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251342	08/20/20	08/20/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251342	08/20/20	08/20/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251342	08/20/20	08/20/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251342	08/20/20	08/20/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251342	08/20/20	08/20/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251342	08/20/20	08/20/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251342	08/20/20	08/20/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251342	08/20/20	08/20/20	LYZ
Surrogates				**Limits**						
Bromofluorobenzene	98%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane-d4	94%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Dibromofluoromethane	102%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Toluene-d8	106%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 2150B										
Odor	ND	H	TON	1.0		1	251310	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM 2330B										
CCPP	**-1.1**		SU			1	251807	08/27/20	08/27/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251389	08/19/20 15:16	08/19/20 15:16	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**0.84**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**6.67**	H	SU			1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Temperature	**9.80**	H	deg C	1.00		1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**10**		mg/L	0.50	0.050	5	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**13**		mg/L	2.0	0.15	5	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.64**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**7.5**		mg/L	1.0	0.091	1	251282	08/18/20	08/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**1,000**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2120B										
Color	**55**		ColorUnits	5		1	251311	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2130B										
Turbidity	**60**		NTU	0.10	0.07	1	251308	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**210**		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Carbonate	ND		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Hydroxide	ND		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Alkalinity, Total as CaCO3	**170**		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**470**		mg/L	20		2	251390	08/19/20	08/20/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**68**		mg/L	1.3		2.5	251461	08/20/20	08/20/20	NLP
Method: SM5540C										
Surfactants (MBAS)	**1.8**		mg/L	0.10	0.068	2.5	251372	08/19/20 11:00	08/19/20 19:14	NLP

Results for any subcontracted analyses are not included in this section.

Analysis Results for 432391

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

Sample ID: MCWP-MW04S	Lab ID: 432391-004	Collected: 08/18/20 12:30
	Matrix: Water	

432391-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	251263	08/19/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.8**		mg/L	0.050	0.012	1	251222	08/19/20	08/19/20	SBW
Calcium	**450**		mg/L	0.10	0.033	1	251222	08/19/20	08/19/20	SBW
Iron	**0.46**		mg/L	0.020	0.016	1	251222	08/19/20	08/19/20	SBW
Magnesium	**240**		mg/L	0.10	0.048	1	251222	08/19/20	08/19/20	SBW
Manganese	**0.31**		mg/L	0.010	0.0030	1	251222	08/19/20	08/19/20	SBW
Potassium	**2.2**		mg/L	0.50	0.18	1	251222	08/19/20	08/19/20	SBW
Sodium	**800**		mg/L	0.50	0.061	1	251222	08/19/20	08/19/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**110**		ug/L	10	2.2	1	251263	08/19/20	08/19/20	JCP
Antimony	**1.0**	J	ug/L	2.5	0.30	5	251263	08/19/20	08/22/20	JCP
Arsenic	**15**		ug/L	10	1.9	5	251263	08/19/20	08/22/20	JCP
Barium	**17**	J	ug/L	25	1.4	5	251263	08/19/20	08/22/20	JCP
Beryllium	ND		ug/L	0.50	0.035	1	251263	08/19/20	08/19/20	JCP
Cadmium	**1.0**		ug/L	1.0	0.17	5	251263	08/19/20	08/22/20	JCP
Chromium	ND		ug/L	1.0	0.30	1	251263	08/19/20	08/19/20	JCP
Copper	**15**		ug/L	2.5	0.25	5	251263	08/19/20	08/22/20	JCP
Lead	**0.29**	J	ug/L	2.5	0.22	5	251263	08/19/20	08/22/20	JCP
Nickel	**28**		ug/L	5.0	1.0	5	251263	08/19/20	08/22/20	JCP
Selenium	**140**		ug/L	10	1.4	5	251263	08/19/20	08/22/20	JCP
Silver	ND		ug/L	1.0	0.13	5	251263	08/19/20	08/24/20	JCP
Thallium	ND		ug/L	5.0	1.2	5	251263	08/19/20	08/22/20	JCP
Zinc	ND		ug/L	50	21	5	251263	08/19/20	08/22/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251315	08/19/20	08/19/20	JCP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**640**		mg/L	10	1.4	10	251195	08/19/20 11:30	08/20/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 02:39	08/20/20 02:39	RKV
Nitrogen, Nitrate	**1.0**		mg/L	1.0	0.45	10	251195	08/20/20 02:39	08/20/20 02:39	RKV
Sulfate	**3,300**		mg/L	50	13	50	251705	08/26/20 12:00	08/26/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	**1.0**		mg/L	1.0		10	251195	08/20/20 02:39	08/20/20 02:39	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	10	2.7	5	251376	08/20/20	08/20/20	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251342	08/20/20	08/20/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251342	08/20/20	08/20/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251342	08/20/20	08/20/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251342	08/20/20	08/20/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251342	08/20/20	08/20/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251342	08/20/20	08/20/20	LYZ
Methylene Chloride	**2.3**	B	ug/L	0.50	0.16	1	251342	08/20/20	08/20/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251342	08/20/20	08/20/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251342	08/20/20	08/20/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251342	08/20/20	08/20/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251342	08/20/20	08/20/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251342	08/20/20	08/20/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251342	08/20/20	08/20/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251342	08/20/20	08/20/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251342	08/20/20	08/20/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251342	08/20/20	08/20/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251342	08/20/20	08/20/20	LYZ
Surrogates				**Limits**						
Bromofluorobenzene	96%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane-d4	97%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Dibromofluoromethane	101%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Toluene-d8	100%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Method: SM 2150B										
Odor	ND	H	TON	50		50	251310	08/19/20 14:00	08/19/20 14:00	SGC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

432391-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 2330B										
CCPP	**1.2**		SU			1	251807	08/27/20	08/27/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251389	08/19/20 15:16	08/19/20 15:16	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**0.78**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**7.53**	H	SU			1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Temperature	**12.30**	H	deg C	1.00		1	251235	08/19/20 11:00	08/19/20 11:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.27**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**15**		mg/L	1.0	0.091	1	251282	08/18/20	08/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**42**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2120B										
Color	**45**		ColorUnits	5		1	251311	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2130B										
Turbidity	**20**		NTU	0.10	0.07	1	251308	08/19/20 14:00	08/19/20 14:00	SGC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**770**		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Carbonate	ND		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Hydroxide	ND		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Alkalinity, Total as CaCO3	**630**		mg/L	13		2.5	251385	08/20/20	08/20/20	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,200**		mg/L	20		2	251390	08/19/20	08/20/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**2.2**		mg/L	0.6		1.1	251461	08/20/20	08/20/20	NLP
Method: SM5540C										
Surfactants (MBAS)	**0.085**		mg/L	0.040	0.027	1	251372	08/19/20 11:00	08/19/20 19:14	NLP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

Sample ID: LAMW-55	Lab ID: 432391-005	Collected: 08/18/20 09:00
	Matrix: Water	

432391-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 03:04	08/20/20 03:04	RKV
Nitrogen, Nitrate	**8.8**		mg/L	1.0	0.45	10	251348	08/20/20 03:04	08/20/20 03:04	RKV
Nitrogen, Nitrate/Nitrite	**8.8**		mg/L	1.0		10	251348	08/20/20 03:04	08/20/20 03:04	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.18**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.2**		mg/L	0.040	0.020	2	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**630**		mg/L	20		2	251390	08/19/20	08/20/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

Sample ID: SMBRP-11	Lab ID: 432391-006	Collected: 08/18/20 10:45
	Matrix: Water	

432391-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 04:17	08/20/20 04:17	RKV
Nitrogen, Nitrate	**2.2**		mg/L	1.0	0.45	10	251348	08/20/20 04:17	08/20/20 04:17	RKV
Nitrogen, Nitrate/Nitrite	**2.2**		mg/L	1.0		10	251348	08/20/20 04:17	08/20/20 04:17	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.30**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**1.0**		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	ND		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**220**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	251390	08/19/20	08/20/20	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432391

Sample ID: MBCMW-9	Lab ID: 432391-007	Collected: 08/18/20 11:15
	Matrix: Water	

432391-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 04:41	08/20/20 04:41	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251348	08/20/20 04:41	08/20/20 04:41	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251348	08/20/20 04:41	08/20/20 04:41	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.4**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**1.4**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.059**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**140**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**140**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,900**		mg/L	20		2	251390	08/19/20	08/20/20	WWC

< Value is less than indicated concentration
> Value exceeds indicated concentration
B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC881788	**Batch:** 251195
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881788 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.14	08/19/20 11:30	08/19/20 23:59
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/19/20 11:55	08/19/20 11:55
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/20 11:55	08/19/20 11:55
Sulfate	ND		mg/L	1.0	0.25	08/19/20 11:30	08/19/20 23:59
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/20 11:55	08/19/20 11:55

Type: Lab Control Sample	**Lab ID:** QC881789	**Batch:** 251195
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881789 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	102.6	100.0	mg/L	103%		90-110
Nitrogen, Nitrite	9.550	9.150	mg/L	104%		90-110
Nitrogen, Nitrate	9.472	9.030	mg/L	105%		90-110
Sulfate	50.62	50.00	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC881792	**Batch:** 251195
Matrix (Source ID): Water (432451-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881792 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	234.7	157.5	100.0	mg/L	77%	*	80-120	10
Nitrogen, Nitrite	9.576	0.2060	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	13.02	4.070	9.030	mg/L	99%		80-120	1
Sulfate	54.19	4.947	50.00	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC881793	**Batch:** 251195
Matrix (Source ID): Water (432451-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881793 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	234.3	157.5	100.0	mg/L	77%	*	80-120	0	20	10
Nitrogen, Nitrite	9.580	0.2060	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	13.02	4.070	9.030	mg/L	99%		80-120	0	20	1
Sulfate	54.34	4.947	50.00	mg/L	99%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC881843**	**Batch: 251222**
Matrix: Water	**Method: EPA 200.7**	**Prep Method: EPA 200.7**

QC881843 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.012	08/19/20	08/19/20
Calcium	0.048	J	mg/L	0.10	0.033	08/19/20	08/19/20
Iron	ND		mg/L	0.020	0.016	08/19/20	08/19/20
Magnesium	ND		mg/L	0.10	0.048	08/19/20	08/19/20
Manganese	ND		mg/L	0.010	0.0030	08/19/20	08/19/20
Potassium	ND		mg/L	0.50	0.18	08/19/20	08/19/20
Sodium	ND		mg/L	0.50	0.061	08/19/20	08/19/20

Type: Lab Control Sample	**Lab ID: QC881844**	**Batch: 251222**
Matrix: Water	**Method: EPA 200.7**	**Prep Method: EPA 200.7**

QC881844 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	2.040	2.000	mg/L	102%		85-115
Calcium	21.64	20.00	mg/L	108%		85-115
Iron	2.067	2.000	mg/L	103%		85-115
Magnesium	20.03	20.00	mg/L	100%		85-115
Manganese	2.069	2.000	mg/L	103%		85-115
Potassium	39.93	38.00	mg/L	105%		85-115
Sodium	21.16	20.00	mg/L	106%		85-115

Type: Sample Spike	**Lab ID: QC881845**	**Batch: 251222**
Matrix (Source ID): Water (432364-001)	**Method: EPA 200.7**	**Prep Method: EPA 200.7**

QC881845 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	2.075	0.9955	1.000	mg/L	108%		75-125	1
Calcium	82.70	59.85	20.00	mg/L	114%		75-125	1
Iron	1.276	0.2579	1.000	mg/L	102%		75-125	1
Magnesium	20.99	1.101	20.00	mg/L	99%		75-125	1
Manganese	1.037	0.01451	1.000	mg/L	102%		75-125	1
Potassium	40.40	8.550	29.00	mg/L	110%		75-125	1
Sodium	720.7	708.5	20.00	mg/L	61%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Spike	Lab ID:	QC881846	Batch:	251222
Matrix (Source ID):	Water (432370-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC881846 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.385	0.3904	1.000	mg/L	99%		75-125	1
Calcium	71.46	50.53	20.00	mg/L	105%		75-125	1
Iron	2.565	1.541	1.000	mg/L	102%		75-125	1
Magnesium	34.20	14.22	20.00	mg/L	100%		75-125	1
Manganese	1.076	0.02921	1.000	mg/L	105%		75-125	1
Potassium	38.64	8.119	29.00	mg/L	105%		75-125	1
Sodium	150.3	132.8	20.00	mg/L	88%	NM	75-125	1

Type:	Sample Duplicate	Lab ID:	QC881866	Batch:	251235
Matrix (Source ID):	Sea Water (432379-001)	Method:	SM 4500-H+ B		

QC881866 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.630	7.600	SU		0	20	1
Temperature	12.70	12.80	deg C		1	20	1

Type:	Blank	Lab ID:	QC881939	Batch:	251263
Matrix:	Water				

QC881939 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: ALCH 4022 Prep Method: EPA 200.8							
Chromium Trivalent	ND		ug/L	1.0		08/19/20	09/23/20
Method: EPA 200.8 Prep Method: EPA 200.8							
Aluminum	ND		ug/L	10	2.2	08/19/20	08/19/20
Antimony	ND		ug/L	0.50	0.028	08/19/20	08/19/20
Arsenic	ND		ug/L	2.0	0.38	08/19/20	08/19/20
Barium	ND		ug/L	5.0	0.069	08/19/20	08/19/20
Beryllium	ND		ug/L	0.50	0.035	08/19/20	08/19/20
Cadmium	ND		ug/L	0.20	0.033	08/19/20	08/22/20
Chromium	ND		ug/L	1.0	0.30	08/19/20	08/19/20
Copper	ND		ug/L	0.50	0.023	08/19/20	08/19/20
Lead	ND		ug/L	0.50	0.027	08/19/20	08/19/20
Nickel	ND		ug/L	1.0	0.20	08/19/20	08/19/20
Selenium	ND		ug/L	2.0	0.24	08/19/20	08/19/20
Silver	ND		ug/L	0.20	0.025	08/19/20	08/24/20
Thallium	ND		ug/L	1.0	0.23	08/19/20	08/22/20
Zinc	ND		ug/L	10	4.2	08/19/20	08/22/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC881940	**Batch:** 251263
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC881940 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	44.96	50.00	ug/L	90%		85-115
Antimony	49.51	50.00	ug/L	99%		85-115
Arsenic	47.59	50.00	ug/L	95%		85-115
Barium	46.37	50.00	ug/L	93%		85-115
Beryllium	47.10	50.00	ug/L	94%		85-115
Cadmium	49.09	50.00	ug/L	98%		85-115
Chromium	49.46	50.00	ug/L	99%		85-115
Copper	49.61	50.00	ug/L	99%		85-115
Lead	49.83	50.00	ug/L	100%		85-115
Nickel	51.20	50.00	ug/L	102%		85-115
Selenium	49.13	50.00	ug/L	98%		85-115
Silver	49.20	50.00	ug/L	98%		85-115
Thallium	49.85	50.00	ug/L	100%		85-115
Zinc	47.86	50.00	ug/L	96%		85-115

Type: Sample Spike	**Lab ID:** QC881942	**Batch:** 251263
Matrix (Source ID): Water (432381-001)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC881942 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	94.72	35.72	50.00	ug/L	118%		70-130	5
Antimony	44.03	1.205	50.00	ug/L	86%		70-130	5
Arsenic	45.41	ND	50.00	ug/L	91%		70-130	5
Barium	49.39	11.74	50.00	ug/L	75%		70-130	5
Beryllium	50.11	ND	50.00	ug/L	100%		70-130	5
Cadmium	50.81	ND	50.00	ug/L	102%		70-130	5
Chromium	9.740	ND	50.00	ug/L	19%	*	70-130	5
Copper	44.63	4.830	50.00	ug/L	80%		70-130	5
Lead	37.84	ND	50.00	ug/L	76%		70-130	5
Nickel	51.86	ND	50.00	ug/L	104%		70-130	5
Selenium	18.49	ND	50.00	ug/L	37%	*	70-130	5
Silver	36.58	ND	50.00	ug/L	73%		70-130	5
Thallium	38.52	ND	50.00	ug/L	77%		70-130	5
Zinc	64.27	ND	50.00	ug/L	129%		70-130	5

Type: Blank	**Lab ID:** QC881972	**Batch:** 251282
Matrix: Water	**Method:** SM 5310B	

QC881972 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	08/18/20	08/18/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC881973 **Batch:** 251282
Matrix: Water **Method:** SM 5310B

QC881973 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.146	10.00	mg/L	91%		80-120

Type: Matrix Spike **Lab ID:** QC881974 **Batch:** 251282
Matrix (Source ID): Water (432391-001) **Method:** SM 5310B

QC881974 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	40.62	ND	40.00	mg/L	102%		80-120	4

Type: Matrix Spike Duplicate **Lab ID:** QC881975 **Batch:** 251282
Matrix (Source ID): Water (432391-001) **Method:** SM 5310B

QC881975 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	44.05	ND	40.00	mg/L	110%		80-120	8	20	4

Type: Sample Duplicate **Lab ID:** QC881986 **Batch:** 251308
Matrix (Source ID): Water (432381-001) **Method:** SM2130B

QC881986 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	1.300	1.320	NTU		2	20	1

Type: Sample Duplicate **Lab ID:** QC881988 **Batch:** 251310
Matrix (Source ID): Water (432391-004) **Method:** SM 2150B

QC881988 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate **Lab ID:** QC881989 **Batch:** 251311
Matrix (Source ID): Water (432391-004) **Method:** SM2120B

QC881989 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	45.00	45.00	ColorUnits		0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC881997	**Batch:** 251315
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** METHOD

QC881997 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.094	08/19/20	08/19/20

Type: Lab Control Sample	**Lab ID:** QC881998	**Batch:** 251315
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** METHOD

QC881998 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.642	5.000	ug/L	113%	b	80-120

Type: Matrix Spike	**Lab ID:** QC881999	**Batch:** 251315
Matrix (Source ID): Water (432217-001)	**Method:** EPA 245.1	**Prep Method:** METHOD

QC881999 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	8.268	2.704	5.000	ug/L	111%	b	75-125	1

Type: Matrix Spike Duplicate	**Lab ID:** QC882000	**Batch:** 251315
Matrix (Source ID): Water (432217-001)	**Method:** EPA 245.1	**Prep Method:** METHOD

QC882000 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	8.320	2.704	5.000	ug/L	112%	b	75-125	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882070		**Batch:** 251342
Matrix: Water	**Method:** EPA 524.2		**Prep Method:** METHOD

QC882070 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrolein	ND		ug/L	5.0	3.3	08/20/20	08/20/20
Acrylonitrile	ND		ug/L	2.0	0.8	08/20/20	08/20/20
1,1-Dichloroethene	ND		ug/L	0.50	0.30	08/20/20	08/20/20
Benzene	ND		ug/L	0.50	0.18	08/20/20	08/20/20
Trichloroethene	ND		ug/L	0.50	0.39	08/20/20	08/20/20
Toluene	ND		ug/L	0.50	0.24	08/20/20	08/20/20
Chlorobenzene	ND		ug/L	0.50	0.19	08/20/20	08/20/20
Chloromethane	ND		ug/L	0.50	0.27	08/20/20	08/20/20
Vinyl Chloride	ND		ug/L	0.50	0.18	08/20/20	08/20/20
Bromomethane	ND		ug/L	0.68	0.68	08/20/20	08/20/20
Chloroethane	ND		ug/L	0.50	0.45	08/20/20	08/20/20
Trichlorofluoromethane	ND		ug/L	0.50	0.25	08/20/20	08/20/20
Freon 113	ND		ug/L	0.50	0.35	08/20/20	08/20/20
Methylene Chloride	1.7		ug/L	0.50	0.16	08/20/20	08/20/20
MTBE	ND		ug/L	0.50	0.19	08/20/20	08/20/20
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	08/20/20	08/20/20
1,1-Dichloroethane	ND		ug/L	0.50	0.32	08/20/20	08/20/20
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	08/20/20	08/20/20
Chloroform	ND		ug/L	0.50	0.18	08/20/20	08/20/20
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	08/20/20	08/20/20
Carbon Tetrachloride	ND		ug/L	0.50	0.27	08/20/20	08/20/20
1,2-Dichloroethane	ND		ug/L	0.50	0.20	08/20/20	08/20/20
1,2-Dichloropropane	ND		ug/L	1.0	0.36	08/20/20	08/20/20
Bromodichloromethane	ND		ug/L	0.50	0.31	08/20/20	08/20/20
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	08/20/20	08/20/20
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	08/20/20	08/20/20
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	08/20/20	08/20/20
Tetrachloroethene	ND		ug/L	0.50	0.18	08/20/20	08/20/20
Dibromochloromethane	ND		ug/L	0.50	0.21	08/20/20	08/20/20
Ethylbenzene	ND		ug/L	0.50	0.21	08/20/20	08/20/20
m,p-Xylenes	ND		ug/L	1.0	0.45	08/20/20	08/20/20
Styrene	ND		ug/L	0.50	0.22	08/20/20	08/20/20
Bromoform	ND		ug/L	0.50	0.20	08/20/20	08/20/20
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	08/20/20	08/20/20
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	08/20/20	08/20/20
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	08/20/20	08/20/20
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	08/20/20	08/20/20
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	08/20/20	08/20/20
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	08/20/20	08/20/20
Surrogates				**Limits**			
Bromofluorobenzene	98%		%REC	70-140		08/20/20	08/20/20
1,2-Dichloroethane-d4	94%		%REC	70-140		08/20/20	08/20/20

ENTHALPY ANALYTICAL

Batch QC

QC882070 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Dibromofluoromethane	102%		%REC	70-140		08/20/20	08/20/20
Toluene-d8	101%		%REC	70-140		08/20/20	08/20/20

Type: Lab Control Sample **Lab ID:** QC882071 **Batch:** 251342
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC882071 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	41.40	50.00	ug/L	83%		70-135
Benzene	38.38	50.00	ug/L	77%		70-130
Trichloroethene	45.03	50.00	ug/L	90%		70-130
Toluene	43.92	50.00	ug/L	88%		70-130
Chlorobenzene	45.67	50.00	ug/L	91%		70-130
MTBE	36.43	50.00	ug/L	73%		70-130
Surrogates						
Bromofluorobenzene	47.23	50.00	ug/L	94%		70-140
1,2-Dichloroethane-d4	46.98	50.00	ug/L	94%		70-140
Dibromofluoromethane	51.60	50.00	ug/L	103%		70-140
Toluene-d8	53.22	50.00	ug/L	106%		70-140

Type: Lab Control Sample Duplicate **Lab ID:** QC882072 **Batch:** 251342
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC882072 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	42.62	50.00	ug/L	85%		70-135	3	30
Benzene	39.97	50.00	ug/L	80%		70-130	4	30
Trichloroethene	45.13	50.00	ug/L	90%		70-130	0	30
Toluene	45.19	50.00	ug/L	90%		70-130	3	30
Chlorobenzene	47.85	50.00	ug/L	96%		70-130	5	30
MTBE	43.17	50.00	ug/L	86%		70-130	17	30
Surrogates								
Bromofluorobenzene	47.72	50.00	ug/L	95%		70-140		
1,2-Dichloroethane-d4	47.84	50.00	ug/L	96%		70-140		
Dibromofluoromethane	50.77	50.00	ug/L	102%		70-140		
Toluene-d8	52.80	50.00	ug/L	106%		70-140		

Type: Blank **Lab ID:** QC882204 **Batch:** 251348
Matrix: Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC882204 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/19/20 22:59	08/19/20 22:59
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/20 22:59	08/19/20 22:59
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/20 22:59	08/19/20 22:59

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC882205	**Batch:** 251348
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882205 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.626	9.150	mg/L	105%		90-110
Nitrogen, Nitrate	9.561	9.030	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID:** QC882206	**Batch:** 251348
Matrix (Source ID): Water (432451-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882206 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.441	ND	9.150	mg/L	103%		80-120	1
Nitrogen, Nitrate	9.146	0.07000	9.030	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC882207	**Batch:** 251348
Matrix (Source ID): Water (432451-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882207 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.522	ND	9.150	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrate	9.279	0.07000	9.030	mg/L	102%		80-120	1	20	1

Type: Blank	**Lab ID:** QC882132	**Batch:** 251372
Matrix: Water	**Method:** SM5540C	

QC882132 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	08/19/20 11:00	08/19/20 19:14

Type: Lab Control Sample	**Lab ID:** QC882133	**Batch:** 251372
Matrix: Water	**Method:** SM5540C	

QC882133 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9650	1.000	mg/L	97%		90-110

Type: Matrix Spike	**Lab ID:** QC882134	**Batch:** 251372
Matrix (Source ID): Water (432386-001)	**Method:** SM5540C	

QC882134 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9610	ND	1.000	mg/L	96%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882135**
Matrix (Source ID):	**Water (432386-001)**	**Method:**	**SM5540C**
		Batch:	**251372**

QC882135 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.006	ND	1.000	mg/L	101%		80-120	5	20	1

Type:	**Blank**	**Lab ID:**	**QC882143**
Matrix:	**Drinking Water**	**Method:**	**EPA 314.0**
		Batch:	**251376**
		Prep Method:	**METHOD**

QC882143 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.53	08/20/20	08/20/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882144**
Matrix:	**Drinking Water**	**Method:**	**EPA 314.0**
		Batch:	**251376**
		Prep Method:	**METHOD**

QC882144 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	43.91	50.00	ug/L	88%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC882145**
Matrix (Source ID):	**Drinking Water (432439-001)**	**Method:**	**EPA 314.0**
		Batch:	**251376**
		Prep Method:	**METHOD**

QC882145 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	48.78	1.165	50.00	ug/L	95%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882146**
Matrix (Source ID):	**Drinking Water (432439-001)**	**Method:**	**EPA 314.0**
		Batch:	**251376**
		Prep Method:	**METHOD**

QC882146 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	48.30	1.165	50.00	ug/L	94%		80-120	1	15	1

Type:	**Blank**	**Lab ID:**	**QC882183**
Matrix:	**Water**	**Method:**	**SM2320B**
		Batch:	**251385**
		Prep Method:	**METHOD**

QC882183 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/20/20	08/20/20
Carbonate	ND		mg/L	5.0		08/20/20	08/20/20
Hydroxide	ND		mg/L	5.0		08/20/20	08/20/20
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/20/20	08/20/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC882184	**Batch:** 251385
Matrix: Water	**Method:** SM2320B	**Prep Method:** METHOD

QC882184 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	94.72	100.0	mg/L	95%		90-110

Type: Sample Duplicate	**Lab ID:** QC882185	**Batch:** 251385
Matrix (Source ID): Water (432173-009)	**Method:** SM2320B	**Prep Method:** METHOD

QC882185 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	3.290	2.940	mg/L		11	20	0.5
Carbonate	ND	ND	mg/L			20	0.5
Hydroxide	ND	ND	mg/L			20	0.5
Alkalinity, Total as CaCO3	2.700	ND	mg/L		11	20	0.5

Type: Blank	**Lab ID:** QC882192	**Batch:** 251389
Matrix: Water	**Method:** SM 4500-CL-G	

QC882192 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	08/19/20 15:16	08/19/20 15:16

Type: Lab Control Sample	**Lab ID:** QC882193	**Batch:** 251389
Matrix: Water	**Method:** SM 4500-CL-G	

QC882193 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9680	1.000	mg/L	97%		80-120

Type: Sample Duplicate	**Lab ID:** QC882194	**Batch:** 251389
Matrix (Source ID): Water (432384-001)	**Method:** SM 4500-CL-G	

QC882194 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	10.87	10.90	mg/L		0	20	5

Type: Blank	**Lab ID:** QC882195	**Batch:** 251390
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC882195 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/19/20	08/20/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC882196	Batch: 251390
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC882196 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	101.0	100.0	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC882197	Batch: 251390
Matrix (Source ID): Water (432429-001)	Method: SM2540C	Prep Method: METHOD

QC882197 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	500.0	510.0	mg/L		2	5	2

Type: Blank	Lab ID: QC882212	Batch: 251394
Matrix: Water	Method: SM 4500-NH3-G	

QC882212 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/20/20	08/20/20

Type: Lab Control Sample	Lab ID: QC882213	Batch: 251394
Matrix: Water	Method: SM 4500-NH3-G	

QC882213 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.345	2.500	mg/L	94%		80-120

Type: Matrix Spike	Lab ID: QC882214	Batch: 251394
Matrix (Source ID): Water (432391-001)	Method: SM 4500-NH3-G	

QC882214 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.90	0.5010	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate	Lab ID: QC882215	Batch: 251394
Matrix (Source ID): Water (432391-001)	Method: SM 4500-NH3-G	

QC882215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.70	0.5010	12.50	mg/L	98%		80-120	2	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC882233** **Batch: 251402**
Matrix: Water **Method: SM 4500-P-B5-E**

QC882233 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/20/20	08/20/20

Type: Lab Control Sample **Lab ID: QC882234** **Batch: 251402**
Matrix: Water **Method: SM 4500-P-B5-E**

QC882234 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4230	0.4000	mg/L	106%		80-120

Type: Matrix Spike **Lab ID: QC882235** **Batch: 251402**
Matrix (Source ID): Water (432398-007) **Method: SM 4500-P-B5-E**

QC882235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.5710	0.1080	0.4000	mg/L	116%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC882236** **Batch: 251402**
Matrix (Source ID): Water (432398-007) **Method: SM 4500-P-B5-E**

QC882236 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5240	0.1080	0.4000	mg/L	104%		75-125	9	20	1

Type: Blank **Lab ID: QC882405** **Batch: 251461**
Matrix: Water **Method: SM2540D** **Prep Method: METHOD**

QC882405 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/20/20	08/20/20

Type: Sample Duplicate **Lab ID: QC882406** **Batch: 251461**
Matrix (Source ID): Water (432360-001) **Method: SM2540D** **Prep Method: METHOD**

QC882406 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	179.5	178.5	mg/L		1	5	5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC882664 **Batch:** 251545
Matrix: Water **Method:** SM 4500-F-C

QC882664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.10	0.0030	08/24/20	08/24/20

Type: Lab Control Sample **Lab ID:** QC882665 **Batch:** 251545
Matrix: Water **Method:** SM 4500-F-C

QC882665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	1.040	1.000	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC882666 **Batch:** 251545
Matrix (Source ID): Water (432518-001) **Method:** SM 4500-F-C

QC882666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.650	0.6120	1.000	mg/L	104%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC882667 **Batch:** 251545
Matrix (Source ID): Water (432518-001) **Method:** SM 4500-F-C

QC882667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.650	0.6120	1.000	mg/L	104%		75-125	0	20	1

Type: Blank **Lab ID:** QC882915 **Batch:** 251636
Matrix: Water **Method:** SM 4500-NH3-G

QC882915 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/25/20	08/27/20

Type: Lab Control Sample **Lab ID:** QC882916 **Batch:** 251636
Matrix: Water **Method:** SM 4500-NH3-G

QC882916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.700	2.500	mg/L	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC882917	Batch: 251636
Matrix (Source ID): Water (432398-002)	Method: SM 4500-NH3-G	

QC882917 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.350	ND	2.500	mg/L	94%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC882918	Batch: 251636
Matrix (Source ID): Water (432398-002)	Method: SM 4500-NH3-G	

QC882918 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.370	ND	2.500	mg/L	95%		80-120	1	20	1

Type: Blank	Lab ID: QC883063	Batch: 251705
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC883063 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.25	08/26/20 12:00	08/26/20 23:59

Type: Lab Control Sample	Lab ID: QC883064	Batch: 251705
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC883064 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	49.28	50.00	mg/L	99%		90-110

Type: Matrix Spike	Lab ID: QC883065	Batch: 251705
Matrix (Source ID): Drinking Water (432768-001)	Method: EPA 300.0	Prep Method: METHOD

QC883065 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	50.85	ND	50.00	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC883066	Batch: 251705
Matrix (Source ID): Drinking Water (432768-001)	Method: EPA 300.0	Prep Method: METHOD

QC883066 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	51.33	ND	50.00	mg/L	101%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC883067**	**Batch:**	**251705**
Matrix (Source ID):	**Drinking Water (432768-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC883067 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	50.56	1.048	50.00	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883068**	**Batch:**	**251705**
Matrix (Source ID):	**Drinking Water (432768-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC883068 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	50.95	1.048	50.00	mg/L	100%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC883337**	**Batch:**	**251800**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC883337 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0022	08/27/20	08/27/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC883338**	**Batch:**	**251800**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC883338 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.2090	0.2000	mg/L	105%		73-123

Type:	**Matrix Spike**	**Lab ID:**	**QC883339**	**Batch:**	**251800**
Matrix (Source ID):	**Water (432391-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC883339 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1950	ND	0.2000	mg/L	98%		56-129	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883340**	**Batch:**	**251800**
Matrix (Source ID):	**Water (432391-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC883340 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1950	ND	0.2000	mg/L	98%		56-129	0	37	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC883370**	**Batch: 251812**
Matrix: Water	**Method: EPA 245.1**	**Prep Method: METHOD**

QC883370 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.094	08/27/20	08/28/20

Type: Lab Control Sample	**Lab ID: QC883371**	**Batch: 251812**
Matrix: Water	**Method: EPA 245.1**	**Prep Method: METHOD**

QC883371 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.287	5.000	ug/L	106%		80-120

Type: Matrix Spike	**Lab ID: QC883372**	**Batch: 251812**
Matrix (Source ID): Water (432794-001)	**Method: EPA 245.1**	**Prep Method: METHOD**

QC883372 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.017	ND	5.000	ug/L	100%		75-125	1

Type: Matrix Spike Duplicate	**Lab ID: QC883373**	**Batch: 251812**
Matrix (Source ID): Water (432794-001)	**Method: EPA 245.1**	**Prep Method: METHOD**

QC883373 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.221	ND	5.000	ug/L	104%		75-125	4	20	1

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration
b See narrative

Laboratory Job Number 432391

Subcontracted Products

AmeriSci

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:**	Lateef McIntosh
		AmeriSci Job #:	920081567
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	EO-432391
Email:	incomingreports@enthalpy.com,Ranjit.clarke@enthalpy.com		

Date: Tuesday, August 25, 2020
Time: 16:02:33
Comments:

Number of Pages: 3 (including cover sheet)

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AmeriSci Job #: **920081567**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

EO-432391

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	432391-001 SMBRP-9	0.005	4	1	NSD	0.21	0.21	<0.21	amphibole
02	432391-002 MCWP-MW07S	0.005	4	NSD	NSD	0.21	<0.21	<0.21	----
03	432391-003 MCWP-MW07D	0.005	4	NSD	NSD	0.21	<0.21	<0.21	----
04	432391-004 MCWP-MW04S	0.003	4	NSD	NSD	0.35	<0.35	<0.35	----

*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: 8/24/2020
Lateef McIntosh

9200815G7

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Taylor Brule
PO #: 1055972

Enthalpy Order: EO-432391
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: 5 Day TAT
Report Level: II
Report To: MDL
EDDs:

Notes:
EPA 100.1

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2020 09:05	432391-001	1	Water	Asbestos	EPA 100.1
MCWP-MW07S	18-AUG-2020 10:45	432391-002	1	Water	Asbestos	EPA 100.1
MCWP-MW07D	18-AUG-2020 11:50	432391-003	1	Water	Asbestos	EPA 100.1
MCWP-MW04S	18-AUG-2020 12:30	432391-004	1	Water	Asbestos	EPA 100.1

Notes:	Relinquished By:	Received By:
	Sayi Rani	RX
	Date: 8/19/20 1650	Date: 8/19/20 1650 4°C
	Date:	Date:
	Date:	Date:

QC Sample Assignment for AmeriSci Job# 920081567

Analyst/Date: _____ Entered by/Date: _____

Original Sample	Client Sample No	QA Number	Grid	Box

Laboratory Job Number 432391

Subcontracted Products

Eurofins CalScience

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-36294-1
Client Project/Site: 432391

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/26/2020 2:53:50 PM

Xuan Dang, Project Manager I
(714)895-5494
Xuan.Dang@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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: 432391

Job ID: 570-36294-1

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.
s	Seeded Control Blank (SCB) Recovery High

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

Job ID: 570-36294-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-36294-1

Comments
No additional comments.

Receipt
The samples were received on 8/19/2020 5:25 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described 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 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MSD) associated with preparation batch 570-89266 and 570-89266. LCS/LCSD was performed 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: 432391

Job ID: 570-36294-1

Client Sample ID: SMBRP-9 — Lab Sample ID: 570-36294-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	1.68	J	2.08	1.22	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW07S — Lab Sample ID: 570-36294-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	1.92		1.25	0.730	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW07D — Lab Sample ID: 570-36294-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	5.17		1.25	0.730	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW04S — Lab Sample ID: 570-36294-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	1.01	J	1.25	0.730	mg/L	1		SM5210B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

General Chemistry

Client Sample ID: SMBRP-9
Date Collected: 08/18/20 09:05
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.16	0.926	mg/L		08/20/20 15:31	08/20/20 15:31	1
Biochemical Oxygen Demand	**1.68**	**J**	2.08	1.22	mg/L			08/19/20 23:18	1

Client Sample ID: MCWP-MW07S
Date Collected: 08/18/20 10:45
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.15	0.919	mg/L		08/20/20 15:31	08/20/20 15:31	1
Biochemical Oxygen Demand	**1.92**		1.25	0.730	mg/L			08/19/20 23:18	1

Client Sample ID: MCWP-MW07D
Date Collected: 08/18/20 11:50
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.22	0.975	mg/L		08/20/20 15:40	08/20/20 15:40	1
Biochemical Oxygen Demand	**5.17**		1.25	0.730	mg/L			08/19/20 23:18	1

Client Sample ID: MCWP-MW04S
Date Collected: 08/18/20 12:30
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.15	0.920	mg/L		08/20/20 15:40	08/20/20 15:40	1
Biochemical Oxygen Demand	**1.01**	**J**	1.25	0.730	mg/L			08/19/20 23:18	1

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-89266/1-A
Matrix: Water
Analysis Batch: 90001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89266

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/20/20 15:31	08/20/20 15:31	1

Lab Sample ID: LCS 570-89266/2-A
Matrix: Water
Analysis Batch: 90001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89266

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 570-89266/3-A
Matrix: Water
Analysis Batch: 90001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89266

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	37.10		mg/L		93	78 - 114	1	18

Lab Sample ID: 570-35943-A-1-A MS
Matrix: Water
Analysis Batch: 90001

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 89266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	0.954		38.2	36.16		mg/L		92	78 - 114

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-90318/2
Matrix: Water
Analysis Batch: 90318

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	1.468	s	0.833	0.487	mg/L			08/19/20 23:18	1

Lab Sample ID: USB 570-90318/1
Matrix: Water
Analysis Batch: 90318

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			08/19/20 23:18	1

Lab Sample ID: LCS 570-90318/3
Matrix: Water
Analysis Batch: 90318

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	204.1		mg/L		103	84.6 - 115.4

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

Method: SM5210B - BOD, 5 Day (Continued)

Lab Sample ID: 570-36212-A-1 DU
Matrix: Water
Analysis Batch: 90318

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	1660			1693		mg/L				2	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

General Chemistry

Prep Batch: 89266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36294-1	SMBRP-9	Total/NA	Water	1664A	
570-36294-2	MCWP-MW07S	Total/NA	Water	1664A	
570-36294-3	MCWP-MW07D	Total/NA	Water	1664A	
570-36294-4	MCWP-MW04S	Total/NA	Water	1664A	
MB 570-89266/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-89266/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-89266/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	
570-35943-A-1-A MS	Matrix Spike	Total/NA	Water	1664A	

Analysis Batch: 90001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36294-1	SMBRP-9	Total/NA	Water	1664A	89266
570-36294-2	MCWP-MW07S	Total/NA	Water	1664A	89266
570-36294-3	MCWP-MW07D	Total/NA	Water	1664A	89266
570-36294-4	MCWP-MW04S	Total/NA	Water	1664A	89266
MB 570-89266/1-A	Method Blank	Total/NA	Water	1664A	89266
LCS 570-89266/2-A	Lab Control Sample	Total/NA	Water	1664A	89266
LCSD 570-89266/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	89266
570-35943-A-1-A MS	Matrix Spike	Total/NA	Water	1664A	89266

Analysis Batch: 90318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36294-1	SMBRP-9	Total/NA	Water	SM5210B	
570-36294-2	MCWP-MW07S	Total/NA	Water	SM5210B	
570-36294-3	MCWP-MW07D	Total/NA	Water	SM5210B	
570-36294-4	MCWP-MW04S	Total/NA	Water	SM5210B	
SCB 570-90318/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-90318/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-90318/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-36212-A-1 DU	Duplicate	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

Client Sample ID: SMBRP-9

Date Collected: 08/18/20 09:05
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-1

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			864 mL	1000 mL	89266	08/20/20 15:31	UFLU	ECL 1
Total/NA	Analysis	1664A		1			90001	08/20/20 15:31	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	120 mL	300 mL	90318		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/19/20 23:18		
								(End) 08/24/20 18:24		

Client Sample ID: MCWP-MW07S

Date Collected: 08/18/20 10:45
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-2

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			870 mL	1000 mL	89266	08/20/20 15:31	UFLU	ECL 1
Total/NA	Analysis	1664A		1			90001	08/20/20 15:31	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	200 mL	300 mL	90318		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/19/20 23:18		
								(End) 08/24/20 18:24		

Client Sample ID: MCWP-MW07D

Date Collected: 08/18/20 11:50
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-3

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			820 mL	1000 mL	89266	08/20/20 15:40	UFLU	ECL 1
Total/NA	Analysis	1664A		1			90001	08/20/20 15:40	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	200 mL	300 mL	90318		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/19/20 23:18		
								(End) 08/24/20 18:24		

Client Sample ID: MCWP-MW04S

Date Collected: 08/18/20 12:30
Date Received: 08/19/20 17:25

Lab Sample ID: 570-36294-4

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			869 mL	1000 mL	89266	08/20/20 15:40	UFLU	ECL 1
Total/NA	Analysis	1664A		1			90001	08/20/20 15:40	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	200 mL	300 mL	90318		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/19/20 23:18		
								(End) 08/24/20 18:24		

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: 432391

Job ID: 570-36294-1

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
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 432391

Job ID: 570-36294-1

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: 432391

Job ID: 570-36294-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-36294-1	SMBRP-9	Water	08/18/20 09:05	08/19/20 17:25	
570-36294-2	MCWP-MW07S	Water	08/18/20 10:45	08/19/20 17:25	
570-36294-3	MCWP-MW07D	Water	08/18/20 11:50	08/19/20 17:25	
570-36294-4	MCWP-MW04S	Water	08/18/20 12:30	08/19/20 17:25	

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1432
ATTN: Xuan Dang
PO #: Required, to be sent via email

Enthalpy Order: EO-432391
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

570-36294 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2020 09:05	432391-001	2+1DS	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	Carbonaceous BOD	
MCWP-MW07S	18-AUG-2020 10:45	432391-002	2+1DS	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	Carbonaceous BOD	
MCWP-MW07D	18-AUG-2020 11:50	432391-003	2+1DS	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	Carbonaceous BOD	
MCWP-MW04S	18-AUG-2020 12:30	432391-004	2+1DS	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	Carbonaceous BOD	

Notes:	Relinquished By:	Received By:
	Dan Sampson	Dannyle Ez
	Date: 8/19/20 17:25	Date: 8/19/20 17:25
	Date:	Date:
	Date:	Date:

4.0/3.6 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-36294-1

Login Number: 36294
List Number: 1
Creator: Le, Danny

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?	False	Not requested on COC.
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	

Laboratory Job Number 432391

Subcontracted Products

Enthalpy - Wilmington

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # EO-432391
Sample Received: 08/21/20

Analytical Report
0820-746

EPA Method 1613B

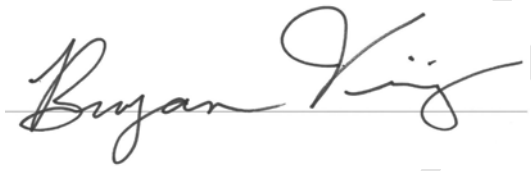
2,3,7,8-TCDD

Enthalpy Analytical, LLC – Ultratrace
Lindsay Boone
O: (910) 212-5855 / F: 910-212-5866
lboone@enthalpy.com / 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 20 pages.



Digitally signed by Bryan Vining
DN: cn=Bryan Vining, o=Enthalpy Analytical Ultratrace, ou, email=bryan.vining@enthalpy.com, c=US
Date: 2020.09.04 17:36:46 -04'00'

Report Issued Date: 09/04/2020

ENTHALPY ANALYTICAL

Summary of Results

ENTHALPY ANALYTICAL

Summary of Results: Totals

Enthalpy Ultratrace Batch # 11107

Method 1613B

Analyte	Method Blank pg/L	SMBPR-9 pg/L	MCWP-MW07S pg/L	MCWP-MW07D pg/L	MCWP-MW04S pg/L
Totals					
TCDDs	(0.312)	(0.395)	(0.358)	(0.451)	(0.405)

ND = (EDL) EMPC = [ ]

Detailed Results

SMBPR-9						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	SMBPR-9		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	EO-432391		**Sample Collection Date:**	**8/18/2020**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0820-746**	**Matrix:**	**Aqueous**	**Date Received:**	**20-Aug-20**		
Lab Sample ID:	**0820-746_11107_001**	**Weight/Volume:**	**1.00**	**Date Extracted:**	**25-Aug-20**		
QC Batch #:	**11107**	**Split Factor:**	**1**	**Date Analyzed:**	**28-Aug-20**		
Dilution:	**-**			**Time Analyzed:**	**15:30:46**		

Analyte	Conc. (pg/L)	EDL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.392		U	ES 2,3,7,8-TCDD	68.1	
					CS 37Cl-2378-TCDD	106	
					AS 1368-TCDD	83.9	

MCWP-MW07S						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW07S		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	EO-432391		**Sample Collection Date:**	**8/18/2020**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0820-746**	**Matrix:**	**Aqueous**	**Date Received:**	**20-Aug-20**		
Lab Sample ID:	**0820-746_11107_002**	**Weight/Volume:**	**1.02**	**Date Extracted:**	**25-Aug-20**		
QC Batch #:	**11107**	**Split Factor:**	**1**	**Date Analyzed:**	**28-Aug-20**		
Dilution:	**-**			**Time Analyzed:**	**16:19:52**		

Analyte	Conc. (pg/L)	EDL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.356		U	ES 2,3,7,8-TCDD	69.4	
					CS 37Cl-2378-TCDD	105	
					AS 1368-TCDD	85.5	

MCWP-MW07D						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW07D		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	EO-432391		**Sample Collection Date:**	**8/18/2020**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0820-746**	**Matrix:**	**Aqueous**	**Date Received:**	**20-Aug-20**		
Lab Sample ID:	**0820-746_11107_003**	**Weight/Volume:**	**1.03**	**Date Extracted:**	**25-Aug-20**		
QC Batch #:	**11107**	**Split Factor:**	**1**	**Date Analyzed:**	**28-Aug-20**		
Dilution:	**-**			**Time Analyzed:**	**17:08:58**		

Analyte	Conc. (pg/L)	EDL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.448		U	ES 2,3,7,8-TCDD	66.8	
					CS 37Cl-2378-TCDD	103	
					AS 1368-TCDD	84.6	

MCWP-MW04S						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW04S		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	EO-432391		**Sample Collection Date:**	**8/18/2020**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0820-746**	**Matrix:**	**Aqueous**	**Date Received:**	**20-Aug-20**		
Lab Sample ID:	**0820-746_11107_004**	**Weight/Volume:**	**1.01**	**Date Extracted:**	**25-Aug-20**		
QC Batch #:	**11107**	**Split Factor:**	**1**	**Date Analyzed:**	**28-Aug-20**		
Dilution:	**-**			**Time Analyzed:**	**17:58:03**		

Analyte	Conc. (pg/L)	EDL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.402		U	ES 2,3,7,8-TCDD	67.7	
					CS 37Cl-2378-TCDD	106	
					AS 1368-TCDD	86.5	

QC Data

OPR	Detailed Results - Method 1613B

RRFs: ICAL

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_11107_DF	Final Vol. (uL)	20.0	Date Extracted:	25-Aug-20
QC Batch #:	11107	Split Factor:	1	Date Analyzed:	28-Aug-20
Dilution:	-			Time Analyzed:	13:03:57

Analyte	Conc. (pg/uL)	EDL (pg/uL)	EMPC (pg/uL)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.87	0.0375			ES 2,3,7,8-TCDD	82.5	
					CS 37Cl-2378-TCDD	109	
					AS 1368-TCDD	86.2	

Method Blank	Detailed Results - Method 1613B

RRFs: ICAL

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_11107_DF	Weight/Volume:	1.00	Date Extracted:	25-Aug-20
QC Batch #:	11107	Split Factor:	1	Date Analyzed:	28-Aug-20
Dilution:	-			Time Analyzed:	14:41:44

Analyte	Conc. (pg/L)	EDL (pg/L)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.311		U	ES 2,3,7,8-TCDD	79.4	
					CS 37Cl-2378-TCDD	105	
					AS 1368-TCDD	86.7	

OPR Demonstration Data (TCDD Only)

Batch ID#: 11107 **Method 1613B**

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	9.9	7.3	14.6	Y	ES 2,3,7,8-TCDD	83	25	141	Y
					CS 2,3,7,8-TCDD	11	3.7	15.8	Y

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy - Orange
Job#	0820-746 EPA Method 1613B
Client Project #	EO-432391

Custody	Caity Hayes of Enthalpy Analytical Wilmington received the sample (via FedEx) on ice on 08/21/20 at 2.4°C in good condition. Prior to, during, and after analysis, the sample was stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The sample was analyzed by EPA Method 1613B for 2,3,7,8-TCDD 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 samples with Extraction Standard (ES), then extracted by liquid-liquid extraction with methylene chloride. After solvent exchange, each extract was spiked with Alternate Standard (AS) and Clean Up Standard (CS). Cleanup procedures were performed on each extract. Each final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	In the initial calibration, the analytes exhibited RSDs less than 20% and labeled standards exhibited RSDs of no more than 30%. The standard analytes, continuing calibration (concal) and Initial Calibration Verification (ICV) met the 20% criterion for native analytes.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. Labeled and sampling (surrogate) standard recovery values in the Ongoing Precision Recovery (OPR) and method blank were acceptable. GC resolution parameters were met for TCDD. The sample was extracted within the 30-day from collection holding time and analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The Totals and Detection Limits have been included in the report. Any deviations from the requirements of the reference method or TNI Standard have been stated above. The results presented in this report are representative of the samples as provided to the laboratory. Enthalpy Analytical, LLC in Wilmington NC is accredited by the Louisiana Department of Environmental Quality to the 2009 TNI

Standard under certificate number 05075.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, LLC - Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- Cxx – 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 ('xx') 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). For HRMS data, this condition does not imply additional measurement uncertainty. For LC-MS/MS data, these values should be considered as having measurement uncertainty higher than values within the calibration range.
- EDL – Estimated Detection Level. Specific to Dioxin/Furan tests and equivalent to MDL
- EMPC – Estimated Maximum Possible Concentration Specific to Dioxin/Furan tests to indicate the signal/noise ratio wass not sufficient for peak identification (the determined ion-abundance ratio was outside the allowed theoretical range), or where there was a co-eluting interference. Indicates that a peak was identified but did not meet the method specified ion-abundance ratio.
- IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria therefore the actual analyte concentration cannot be accurately determined as defined by DoD QSM Table B-15.
- J – The analyte has a concentration below the minimum calibration level (LOQ value) but greater than the LOD. These values should be considered as having measurement uncertainty higher than values within the calibration range
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL). The reported concentration is not recommended for regulatory use as the analyte signal may have a signal-to-noise ratio less than the criteria deemed necessary to be considered a detected analyte.
- LOD – Limit of Detection: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOD. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the minimum detection limit (MDL). The LOD is adjusted for sample weight or volume.
- LOQ – Limit of Quantiation: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOQ. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the reporting limit (RL). The LOD is adjusted for sample weight or volume.
- <LOD() – Analyte was not found at a concentration high enough to be reported as detected. It is reported as less than the LOD, and the LOD is given in the parentheses.

- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable due to issues observed in sample preparation or analysis.
- PR – The associated congener(s) is(are) poorly resolved.
- QI – Indicates the presence of a quantitative interference.
- RL – Reporting Limit. Lowest reportable value. The level is higher than the MDL.
- 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.
- V – The labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.

Lab Identifiers/ Data Attributes

- 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 – Dilution Data. Result was obtained from the analysis of a dilution. 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.
- R – Indicates a re-extraction of the sample.

Sample Custody

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Enthalpy - Wilmington
2714 Exchange Drive
Wilmington, NC 28405
ATTN: Bryan Vining
PO #: 1055974

Enthalpy Order: EO-432391
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

0820-746

Results Due: 10 Day TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2020 09:05	432391-001	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW07S	18-AUG-2020 10:45	432391-002	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW07D	18-AUG-2020 11:50	432391-003	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW04S	18-AUG-2020 12:30	432391-004	1	Water	EPA 1613 - 2,3,7,8-TCDD only	

Notes:	Relinquished By:	Received By:
Fedex, 771314975731, No seals, good condition on ice. CH 8/21/20		FED EX 7713 1497 5731
	Date: 8/21/20 1200	Date: 8/21/20
		Carley Hayes
	Date:	Date: 8/20/20 10:30 2.4T9
	Date:	Date:

This Is The Last Page Of This Report.

Laboratory Job Number 432391

Subcontracted Products

Pace Labs - PA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 15, 2020

Ranjit Clarke
Enthalpy Analytical
806 N. Batavia St.
Orange, CA 92868

RE: Project: EO-432391
Pace Project No.: 30378921

Dear Ranjit Clarke:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: EO-432391
Pace Project No.: 30378921

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: EO-432391
Pace Project No.: 30378921

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30378921001	**SMBRP-9**	Water	08/18/20 09:05	08/21/20 10:20
30378921002	**MCWP-MW07S**	Water	08/18/20 10:45	08/21/20 10:20
30378921003	**MCWP-MW07D**	Water	08/18/20 11:50	08/21/20 10:20
30378921004	**MCWP-MW04S**	Water	08/18/20 12:30	08/21/20 10:20

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: EO-432391
Pace Project No.: 30378921

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30378921001	**SMBRP-9**	EPA 900.0	CLA	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	LAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA
30378921002	**MCWP-MW07S**	EPA 900.0	CLA	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	LAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA
30378921003	**MCWP-MW07D**	EPA 900.0	CLA	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	LAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA
30378921004	**MCWP-MW04S**	EPA 900.0	CLA	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	LAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

Sample: SMBRP-9 **Lab ID: 30378921001** Collected: 08/18/20 09:05 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis on 8/24. The samples were not preserved <2 within the required 5 days of collection. Client notified.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**39.4 ± 9.80 (5.77) C:NA T:NA**	pCi/L	09/09/20 18:38	12587-46-1	
Gross Beta	EPA 900.0	**11.2 ± 3.56 (4.22) C:NA T:NA**	pCi/L	09/09/20 18:38	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.136 ± 0.310 (0.499) C:NA T:86%**	pCi/L	09/08/20 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.357 ± 0.379 (0.789) C:71% T:91%**	pCi/L	09/03/20 11:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-0.892 ± 0.634 (1.33) C:108% T:NA**	pCi/L	09/02/20 17:51	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**-45.0 ± 125 (226) C:NA T:NA**	pCi/L	09/05/20 22:42	10028-17-8	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**37.0 ± 1.301 (1.310) C:NA T:NA**	ug/L	09/11/20 12:38	7440-61-1	

Sample: MCWP-MW07S **Lab ID: 30378921002** Collected: 08/18/20 10:45 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis on 8/24. The samples were not preserved <2 within the required 5 days of collection. Client notified.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**7.33 ± 3.00 (3.32) C:NA T:NA**	pCi/L	09/09/20 19:56	12587-46-1	
Gross Beta	EPA 900.0	**3.63 ± 1.68 (2.58) C:NA T:NA**	pCi/L	09/09/20 19:56	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.123 ± 0.282 (0.454) C:NA T:91%**	pCi/L	09/08/20 15:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.954 ± 0.459 (0.794) C:71% T:88%**	pCi/L	09/03/20 11:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-0.221 ± 0.358 (0.732) C:102% T:NA**	pCi/L	09/02/20 17:51	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**-130 ± 121 (226) C:NA T:NA**	pCi/L	09/05/20 23:43	10028-17-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

Sample: MCWP-MW07S **Lab ID: 30378921002** Collected: 08/18/20 10:45 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis on 8/24. The samples were not preserved <2 within the required 5 days of collection. Client notified.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Total Uranium	ASTM D5174-97	**6.36 ± 0.229 (0.262)** **C:NA T:NA**	ug/L	09/11/20 12:40	7440-61-1	

Sample: MCWP-MW07D **Lab ID: 30378921003** Collected: 08/18/20 11:50 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis on 8/24. The samples were not preserved <2 within the required 5 days of collection. Client notified.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**2.60 ± 1.14 (1.42)** **C:NA T:NA**	pCi/L	09/09/20 18:38	12587-46-1	
Gross Beta	EPA 900.0	**10.4 ± 2.00 (0.648)** **C:NA T:NA**	pCi/L	09/09/20 18:38	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.283 ± 0.341 (0.520)** **C:NA T:83%**	pCi/L	09/08/20 15:11	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**1.59 ± 0.747 (1.31)** **C:72% T:62%**	pCi/L	09/03/20 11:20	15262-20-1	
		Pace Analytical Services - Greensburg				
Strontium-90	ASTM D5811-95	**1.67 ± 1.40 (2.59)** **C:99% T:NA**	pCi/L	09/02/20 17:51	10098-97-2	N2
		Pace Analytical Services - Greensburg				
Tritium	EPA 906.0	**75.0 ± 133 (226)** **C:NA T:NA**	pCi/L	09/06/20 00:44	10028-17-8	
		Pace Analytical Services - Greensburg				
Total Uranium	ASTM D5174-97	**1.07 ± 0.040 (0.262)** **C:NA T:NA**	ug/L	09/11/20 12:42	7440-61-1	

Sample: MCWP-MW04S **Lab ID: 30378921004** Collected: 08/18/20 12:30 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis on 8/24. The samples were not preserved <2 within the required 5 days of collection. Client notified.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**71.4 ± 21.9 (20.4)** **C:NA T:NA**	pCi/L	09/09/20 18:38	12587-46-1	
Gross Beta	EPA 900.0	**20.1 ± 9.17 (13.9)** **C:NA T:NA**	pCi/L	09/09/20 18:38	12587-47-2	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

Sample: MCWP-MW04S **Lab ID: 30378921004** Collected: 08/18/20 12:30 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • 5.0 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis on 8/24. The samples were not preserved <2 within the required 5 days of collection. Client notified.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.196 ± 0.339 (0.605) C:NA T:95%**	pCi/L	09/08/20 15:23	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.473 ± 0.392 (0.794) C:70% T:100%**	pCi/L	09/03/20 11:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-0.621 ± 0.843 (1.77) C:100% T:NA**	pCi/L	09/02/20 17:51	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**-50.1 ± 125 (227) C:NA T:NA**	pCi/L	09/06/20 01:45	10028-17-8	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**99.5 ± 3.495 (5.240) C:NA T:NA**	ug/L	09/11/20 12:54	7440-61-1	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

QC Batch: 412252
QC Batch Method: ASTM D5174-97
Analysis Method: ASTM D5174-97
Analysis Description: D5174.97 Total Uranium KPA
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

METHOD BLANK: 1994107 Matrix: Water
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	-0.018 ± -0.002 (0.262) C:NA T:NA	ug/L	09/11/20 12:16	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

QC Batch: 411447
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

METHOD BLANK: 1990364 Matrix: Water
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0596 ± 0.351 (0.716) C:NA T:91%	pCi/L	09/08/20 14:40	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

QC Batch: 411821
QC Batch Method: ASTM D5811-95
Analysis Method: ASTM D5811-95
Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

METHOD BLANK: 1992081 Matrix: Water
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.328 ± 0.309 (0.648) C:93% T:NA	pCi/L	09/02/20 17:58	N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

QC Batch: 411448
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

METHOD BLANK: 1990368 Matrix: Water
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.377 ± 0.403 (0.842) C:75% T:80%	pCi/L	09/03/20 11:21	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

QC Batch: 412668
QC Batch Method: EPA 900.0
Analysis Method: EPA 900.0
Analysis Description: 900.0 Gross Alpha/Beta
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

METHOD BLANK: 1995867 Matrix: Water
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.122 ± 0.208 (0.409) C:NA T:NA	pCi/L	09/09/20 18:41	
Gross Beta	0.358 ± 0.320 (0.589) C:NA T:NA	pCi/L	09/09/20 18:41	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432391
Pace Project No.: 30378921

QC Batch: 412033
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

METHOD BLANK: 1993027 Matrix: Water
Associated Lab Samples: 30378921001, 30378921002, 30378921003, 30378921004

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-20.0 ± 127 (226) C:NA T:NA	pCi/L	09/05/20 16:34	

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Greensburg, PA 15601
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QUALIFIERS

Project: EO-432391
Pace Project No.: 30378921

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Labs - PA
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Jacquelyn Collins
PO #: 1055970

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Enthalpy Order: EO-432391
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

WO# : 30378921

30378921

Notes:
Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2020 09:05	432391-001	1	Water	EPA 900.0 Gross Alpha and Beta	
				Water	EPA 903.1 Radium-226	
				Water	EPA 904.0 Radium-228	
				Water	EPA 905.0 Strontium-90	001
				Water	EPA 906.0 Tritium	
				Water	EPA 908.0 - Uranium in Drinking Water	
MCWP-MW07S	18-AUG-2020 10:45	432391-002	1	Water	EPA 900.0 Gross Alpha and Beta	
				Water	EPA 903.1 Radium-226	
				Water	EPA 904.0 Radium-228	
				Water	EPA 905.0 Strontium-90	002
				Water	EPA 906.0 Tritium	
				Water	EPA 908.0 - Uranium in Drinking Water	
MCWP-MW07D	18-AUG-2020 11:50	432391-003	1	Water	EPA 900.0 Gross Alpha and Beta	
				Water	EPA 903.1 Radium-226	
				Water	EPA 904.0 Radium-228	
				Water	EPA 905.0 Strontium-90	003
				Water	EPA 906.0 Tritium	
				Water	EPA 908.0 - Uranium in Drinking Water	
MCWP-MW04S	18-AUG-2020 12:30	432391-004	1	Water	EPA 900.0 Gross Alpha and Beta	
				Water	EPA 903.1 Radium-226	
				Water	EPA 904.0 Radium-228	
				Water	EPA 905.0 Strontium-90	004
				Water	EPA 906.0 Tritium	
				Water	EPA 908.0 - Uranium in Drinking Water	

30378921

Notes:	Relinquished By:	Received By:
		Fed Ex 7713 1645 9610
	Date: 8/20/20 1200	Date: 8/20/20
	Date:	Date: 8/21/2020 945
		8/21/2020 10:20
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy

Project # #30378921

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label: MF

Tracking #: 771316459610

LIMS Login: MF

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used: NA Type of Ice: Wet Blue (None)

Cooler Temperature Observed Temp: — °C Correction Factor: — °C Final Temp: — °C

Temp should be above freezing to 6°C

pH paper Lot#: 1085191 Date and Initials of person examining contents: MF 8/24/2020

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓			10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. added 5 mL of HNO3 to 4 sample bottle in each sample
All containers meet method preservation requirements.		✓		Initial when completed: MF Date/time of preservation: 8/24/2020 Lot # of added preservative: DL20 0841
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: MF Date: 8/24/2020

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Laboratory Job Number 432391

Subcontracted Products

Weck Laboratories, Inc.

WECK LABORATORIES, INC.

Certificate of Analysis

PRELIMINARY REPORT

Work Orders: 0H20067

Project: EO-432391

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/22/2020
Received Date: 8/20/2020
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1055973
Billing Code:

DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • SCAQMD #93LA1006

This is a preliminary report and is produced for review and guidance purpose only and should not be considered final. Information in this report may be missing or may be changed. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories DOES NOT certify that the test results meet all requirements of TNI. Neither Weck Laboratories, Inc. nor any of its employees, contractors, subcontractors, or their employees make any warrant, expressed or implied, or assume any legal liability or responsibility for use of any information inscribed in this report.

Dear Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/20/20 with the Chain-of-Custody document. The samples were received in good condition, at 3.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

DRAFT REPORT
DATA SUBJECT TO CHANGE

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-9, Alias: 432391-001	Client	0H20067-01	Water	08/18/20 09:05	
SMBRP-9 Travel Blank, Alias: 432391-001	Client	0H20067-02	Water	08/18/20 09:05	
MCWP-MW07S, Alias: 432391-002	Client	0H20067-03	Water	08/18/20 10:45	
MCWP-MW07S Travel Blank, Alias: 432391-002	Client	0H20067-04	Water	08/18/20 10:45	
MCWP-MW07D, Alias: 432391-003	Client	0H20067-05	Water	08/18/20 11:50	
MCWP-MW07D Travel Blank, Alias: 432391-003	Client	0H20067-06	Water	08/18/20 11:50	
MCWP-MW04S, Alias: 432391-004	Client	0H20067-07	Water	08/18/20 12:30	
MCWP-MW04S Travel Blank, Alias: 432391-004	Client	0H20067-08	Water	08/18/20 12:30	

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Enthalpy Analytical - Orange
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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Results

Sample: SMBRP-9, Alias: 432391-001
0H20067-01 (Water)

Sampled: 08/18/20 9:05 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/15/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/15/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/15/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/15/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/15/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/15/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/15/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/15/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/15/20	
Acenaphthene	ND	1.0	ug/l	1	09/15/20	
Acenaphthylene	ND	1.0	ug/l	1	09/15/20	
Anthracene	ND	1.0	ug/l	1	09/15/20	
Benzidine	ND	10	ug/l	1	09/15/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/15/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/15/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/15/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/15/20	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/15/20	
Chrysene	ND	1.0	ug/l	1	09/15/20	

Enthalpy Analytical - Orange
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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: SMBRP-9, Alias: 432391-001
0H20067-01 (Water)

Sampled: 08/18/20 9:05 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/15/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/15/20	
Fluoranthene	ND	1.0	ug/l	1	09/15/20	
Fluorene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/15/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/15/20	
Hexachloroethane	ND	1.0	ug/l	1	09/15/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/15/20	
Isophorone	ND	1.0	ug/l	1	09/15/20	
Naphthalene	ND	1.0	ug/l	1	09/15/20	
Nitrobenzene	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/15/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/15/20	
Phenanthrene	ND	1.0	ug/l	1	09/15/20	
Phenol	ND	1.0	ug/l	1	09/15/20	
Pyrene	ND	1.0	ug/l	1	09/15/20	
Surrogate(s)						
2,4,6-Tribromophenol	*59%*	*Conc: 29.6*	*25-120*		*09/15/20*	
2-Fluorobiphenyl	*63%*	*Conc: 15.7*	*22-120*		*09/15/20*	
2-Fluorophenol	*49%*	*Conc: 24.3*	*17-120*		*09/15/20*	
Nitrobenzene-d5	*66%*	*Conc: 16.4*	*47-120*		*09/15/20*	
Phenol-d5	*30%*	*Conc: 14.9*	*12-120*		*09/15/20*	
Terphenyl-d14	*73%*	*Conc: 18.2*	*44-129*		*09/15/20*	
Carbamates and Urea Pesticides						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04				**Analyst:** jan
3-Hydroxycarbofuran	ND	2.0	ug/l	1	09/09/20	
Aldicarb	ND	2.0	ug/l	1	09/09/20	
Aldicarb sulfone	ND	2.0	ug/l	1	09/09/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: SMBRP-9, Alias: 432391-001
0H20067-01 (Water)

Sampled: 08/18/20 9:05 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04			**Analyst:** jan	
Aldicarb sulfoxide	ND	2.0	ug/l	1	09/09/20	
Carbaryl	ND	2.0	ug/l	1	09/09/20	
Carbofuran	ND	2.0	ug/l	1	09/09/20	
Methiocarb	ND	2.0	ug/l	1	09/09/20	
Methomyl	ND	2.0	ug/l	1	09/09/20	
Oxamyl	ND	2.0	ug/l	1	09/09/20	
Propoxur (Baygon)	ND	2.0	ug/l	1	09/09/20	
Surrogate(s)						
BDMC	*97%*	*Conc: 9.73*	*70-130*		*09/09/20*	
Chlorinated Acids Herbicides by GC/ECD						
Method: EPA 515.4		**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz		**Prepared:** 09/01/20 08:17			**Analyst:** amw	
2,4,5-T	ND	0.20	ug/l	1	09/02/20	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/02/20	
2,4-D	ND	0.40	ug/l	1	09/02/20	
2,4-DB	ND	2.0	ug/l	1	09/02/20	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/02/20	
Acifluorfen	ND	0.40	ug/l	1	09/02/20	
Bentazon	ND	2.0	ug/l	1	09/02/20	
Dalapon	ND	1.0	ug/l	1	09/02/20	R-01
DCPA	ND	0.10	ug/l	1	09/02/20	
Dicamba	ND	0.60	ug/l	1	09/02/20	
Dichloroprop	ND	0.30	ug/l	1	09/02/20	
Dinoseb	ND	0.40	ug/l	1	09/02/20	
Pentachlorophenol	ND	0.20	ug/l	1	09/02/20	
Picloram	ND	0.60	ug/l	1	09/02/20	
Surrogate(s)						
2,4-DCAA	*118%*	*Conc: 11.8*	*70-130*		*09/02/20*	
Chlorinated Pesticides and/or PCBs by GC/ECD						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21			**Analyst:** AMW	
4,4´-DDD	ND	0.10	ug/l	1	09/03/20	M-02
4,4´-DDE	ND	0.10	ug/l	1	09/03/20	M-02
4,4´-DDT	ND	0.10	ug/l	1	09/03/20	M-02
Aldrin	ND	0.10	ug/l	1	09/03/20	M-02
alpha-BHC	ND	0.10	ug/l	1	09/03/20	M-02

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Project Number: EO-432391

Project Manager: Ranjit Clarke

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Sample Results

(Continued)

Sample: SMBRP-9, Alias: 432391-001
0H20067-01 (Water)

Sampled: 08/18/20 9:05 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21			**Analyst:** AMW	
Aroclor 1016	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1221	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1232	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1242	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1248	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1254	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1260	ND	1.0	ug/l	1	09/03/20	M-02
beta-BHC	ND	0.10	ug/l	1	09/03/20	M-02
Chlordane (tech)	ND	1.0	ug/l	1	09/03/20	M-02
Chlorothalonil	ND	0.50	ug/l	1	09/03/20	M-02
delta-BHC	ND	0.10	ug/l	1	09/03/20	M-02
Dieldrin	ND	0.10	ug/l	1	09/03/20	M-02
Endosulfan I	ND	0.10	ug/l	1	09/03/20	M-02
Endosulfan II	ND	0.10	ug/l	1	09/03/20	M-02
Endosulfan sulfate	ND	0.10	ug/l	1	09/03/20	M-02
Endrin	ND	0.10	ug/l	1	09/03/20	M-02
Endrin aldehyde	ND	0.10	ug/l	1	09/03/20	M-02
gamma-BHC (Lindane)	ND	0.10	ug/l	1	09/03/20	M-02
Heptachlor	ND	0.10	ug/l	1	09/03/20	M-02
Heptachlor epoxide	ND	0.10	ug/l	1	09/03/20	M-02
Hexachlorobenzene	ND	0.50	ug/l	1	09/03/20	M-02
Hexachlorocyclopentadiene	ND	0.50	ug/l	1	09/03/20	M-02
Methoxychlor	ND	0.10	ug/l	1	09/03/20	M-02
PCBs, Total	ND	5.0	ug/l	1	09/03/20	M-02
Propachlor	ND	0.50	ug/l	1	09/03/20	M-02
Toxaphene	ND	5.0	ug/l	1	09/03/20	M-02
Trifluralin	ND	0.10	ug/l	1	09/03/20	M-02
Surrogate(s)						
Decachlorobiphenyl	*73%*	*Conc: 0.728*	*70-130*		*09/03/20*	*M-02*
Tetrachloro-meta-xylene	*84%*	*Conc: 0.843*	*70-130*		*09/03/20*	*M-02*
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 08:20			**Analyst:** jna	
Diquat	ND	4.0	ug/l	1	08/31/20	
Paraquat	ND	4.0	ug/l	1	08/31/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: SMBRP-9, Alias: 432391-001
0H20067-01 (Water)

Sampled: 08/18/20 9:05 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	08/31/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1510 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/27/20 08:26				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/29/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/29/20	
HAA5, Total	ND	1.0	ug/l	1	08/29/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/29/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/29/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/29/20	
Surrogate(s)						
2-Bromobutyric acid	*96%*	*Conc: 9.60*	*70-130*		*08/29/20*	
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)		**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	**4.8**	0.020	ug/l	1	09/01/20	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0H1512 **Preparation:** EPA 525.2/SPE		**Prepared:** 08/28/20 09:08				**Analyst:** rmr
Alachlor	ND	0.50	ug/l	1	09/01/20	M-02
Atrazine	ND	0.50	ug/l	1	09/01/20	M-02
Benzo (a) pyrene	ND	0.50	ug/l	1	09/01/20	M-02
Bis(2-ethylhexyl)adipate	ND	2.5	ug/l	1	09/01/20	M-02
Bis(2-ethylhexyl)phthalate	ND	2.5	ug/l	1	09/01/20	M-02
Bromacil	ND	2.5	ug/l	1	09/01/20	M-02
Butachlor	ND	0.50	ug/l	1	09/01/20	M-02
Captan	ND	5.0	ug/l	1	09/01/20	M-02
Chlorpropham	ND	0.50	ug/l	1	09/01/20	M-02
Cyanazine	ND	0.50	ug/l	1	09/01/20	M-02
Diazinon	ND	0.50	ug/l	1	09/01/20	M-02
Dimethoate	ND	1.0	ug/l	1	09/01/20	M-02
Diphenamid	ND	0.50	ug/l	1	09/01/20	M-02

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Sample Results

(Continued)

Sample: SMBRP-9, Alias: 432391-001
0H20067-01 (Water)

Sampled: 08/18/20 9:05 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0H1512 **Preparation:** EPA 525.2/SPE		**Prepared:** 08/28/20 09:08				**Analyst:** rmr
Disulfoton	ND	0.50	ug/l	1	09/01/20	M-02
EPTC	ND	0.50	ug/l	1	09/01/20	M-02
Metolachlor	ND	0.50	ug/l	1	09/01/20	M-02
Metribuzin	ND	0.50	ug/l	1	09/01/20	M-02
Molinate	ND	0.50	ug/l	1	09/01/20	M-02
Prometon	ND	0.50	ug/l	1	09/01/20	M-02
Prometryn	ND	0.50	ug/l	1	09/01/20	M-02
Simazine	ND	0.50	ug/l	1	09/01/20	M-02
Terbacil	ND	10	ug/l	1	09/01/20	M-02
Thiobencarb	ND	0.50	ug/l	1	09/01/20	M-02
Trithion	ND	0.50	ug/l	1	09/01/20	M-02
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*104%*	*Conc: 26.0*	*70-130*		*09/01/20*	*M-02*
Perylene-d12	*32%*	*Conc: 7.89*	*50-120*		*09/01/20*	*M-02, S-GC*
Triphenyl phosphate	*93%*	*Conc: 23.2*	*70-130*		*09/01/20*	*M-02*
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/25/20	

Sample: SMBRP-9, Alias: 432391-001
0H20067-01RE1 (Water)

Sampled: 08/18/20 9:05 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1						
Method: EPA 300.1		**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)		**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND	50	ug/l	10	08/27/20	M-05
Chlorite	ND	100	ug/l	10	08/27/20	M-05
Surrogate(s)						
Dichloroacetate	*104%*	*Conc: 519*	*90-115*		*08/27/20*	
Nitrosamines by isotopic dilution GC/MS CI Mode						
Method: EPA 1625M		**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE		**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/31/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Results

(Continued)

Sample: SMBRP-9 Travel Blank, Alias: 432391-001
0H20067-02 (Water)

Sampled: 08/18/20 9:05 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/25/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
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Sample Results

(Continued)

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03 (Water)

Sampled: 08/18/20 10:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/15/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/15/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/15/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/15/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/15/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/15/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/15/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/15/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/15/20	
Acenaphthene	ND	1.0	ug/l	1	09/15/20	
Acenaphthylene	ND	1.0	ug/l	1	09/15/20	
Anthracene	ND	1.0	ug/l	1	09/15/20	
Benzidine	ND	10	ug/l	1	09/15/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/15/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/15/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/15/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/15/20	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/15/20	
Chrysene	ND	1.0	ug/l	1	09/15/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03 (Water)

Sampled: 08/18/20 10:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/15/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/15/20	
Fluoranthene	ND	1.0	ug/l	1	09/15/20	
Fluorene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/15/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/15/20	
Hexachloroethane	ND	1.0	ug/l	1	09/15/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/15/20	
Isophorone	ND	1.0	ug/l	1	09/15/20	
Naphthalene	ND	1.0	ug/l	1	09/15/20	
Nitrobenzene	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/15/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/15/20	
Phenanthrene	ND	1.0	ug/l	1	09/15/20	
Phenol	ND	1.0	ug/l	1	09/15/20	
Pyrene	ND	1.0	ug/l	1	09/15/20	
Surrogate(s)						
2,4,6-Tribromophenol	*65%*	*Conc: 32.6*	*25-120*		*09/15/20*	
2-Fluorobiphenyl	*64%*	*Conc: 16.0*	*22-120*		*09/15/20*	
2-Fluorophenol	*49%*	*Conc: 24.4*	*17-120*		*09/15/20*	
Nitrobenzene-d5	*68%*	*Conc: 16.9*	*47-120*		*09/15/20*	
Phenol-d5	*31%*	*Conc: 15.5*	*12-120*		*09/15/20*	
Terphenyl-d14	*80%*	*Conc: 20.0*	*44-129*		*09/15/20*	
Carbamates and Urea Pesticides						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04				**Analyst:** jan
3-Hydroxycarbofuran	ND	2.0	ug/l	1	09/09/20	
Aldicarb	ND	2.0	ug/l	1	09/09/20	
Aldicarb sulfone	ND	2.0	ug/l	1	09/09/20	

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Project Number: EO-432391

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Sample Results

(Continued)

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03 (Water)

Sampled: 08/18/20 10:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04			**Analyst:** jan	
Aldicarb sulfoxide	ND	2.0	ug/l	1	09/09/20	
Carbaryl	ND	2.0	ug/l	1	09/09/20	
Carbofuran	ND	2.0	ug/l	1	09/09/20	
Methiocarb	ND	2.0	ug/l	1	09/09/20	
Methomyl	ND	2.0	ug/l	1	09/09/20	
Oxamyl	ND	2.0	ug/l	1	09/09/20	
Propoxur (Baygon)	ND	2.0	ug/l	1	09/09/20	
Surrogate(s)						
BDMC	*100%*	*Conc: 9.97*	*70-130*		*09/09/20*	
Chlorinated Acids Herbicides by GC/ECD						
Method: EPA 515.4		**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz		**Prepared:** 09/01/20 08:17			**Analyst:** amw	
2,4,5-T	ND	0.20	ug/l	1	09/02/20	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/02/20	
2,4-D	ND	0.40	ug/l	1	09/02/20	
2,4-DB	ND	2.0	ug/l	1	09/02/20	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/02/20	
Acifluorfen	ND	0.40	ug/l	1	09/02/20	
Bentazon	ND	2.0	ug/l	1	09/02/20	
Dalapon	ND	0.60	ug/l	1	09/02/20	R-01
DCPA	ND	0.10	ug/l	1	09/02/20	
Dicamba	ND	0.60	ug/l	1	09/02/20	
Dichloroprop	ND	0.30	ug/l	1	09/02/20	
Dinoseb	ND	0.40	ug/l	1	09/02/20	
Pentachlorophenol	ND	0.20	ug/l	1	09/02/20	
Picloram	ND	0.60	ug/l	1	09/02/20	
Surrogate(s)						
2,4-DCAA	*129%*	*Conc: 12.9*	*70-130*		*09/02/20*	
Chlorinated Pesticides and/or PCBs by GC/ECD						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21			**Analyst:** AMW	
4,4´-DDD	ND	0.10	ug/l	1	09/03/20	M-02
4,4´-DDE	ND	0.10	ug/l	1	09/03/20	M-02
4,4´-DDT	ND	0.10	ug/l	1	09/03/20	M-02
Aldrin	ND	0.10	ug/l	1	09/03/20	M-02
alpha-BHC	ND	0.10	ug/l	1	09/03/20	M-02

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Sample Results

(Continued)

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03 (Water)

Sampled: 08/18/20 10:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21				**Analyst:** AMW
Aroclor 1016	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1221	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1232	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1242	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1248	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1254	ND	1.0	ug/l	1	09/03/20	M-02
Aroclor 1260	ND	1.0	ug/l	1	09/03/20	M-02
beta-BHC	ND	0.10	ug/l	1	09/03/20	M-02
Chlordane (tech)	ND	1.0	ug/l	1	09/03/20	M-02
Chlorothalonil	ND	0.50	ug/l	1	09/03/20	M-02
delta-BHC	ND	0.10	ug/l	1	09/03/20	M-02
Dieldrin	ND	0.10	ug/l	1	09/03/20	M-02
Endosulfan I	ND	0.10	ug/l	1	09/03/20	M-02
Endosulfan II	ND	0.10	ug/l	1	09/03/20	M-02
Endosulfan sulfate	ND	0.10	ug/l	1	09/03/20	M-02
Endrin	ND	0.10	ug/l	1	09/03/20	M-02
Endrin aldehyde	ND	0.10	ug/l	1	09/03/20	M-02
gamma-BHC (Lindane)	ND	0.10	ug/l	1	09/03/20	M-02
Heptachlor	ND	0.10	ug/l	1	09/03/20	M-02
Heptachlor epoxide	ND	0.10	ug/l	1	09/03/20	M-02
Hexachlorobenzene	ND	0.50	ug/l	1	09/03/20	M-02
Hexachlorocyclopentadiene	ND	0.50	ug/l	1	09/03/20	M-02
Methoxychlor	ND	0.10	ug/l	1	09/03/20	M-02
PCBs, Total	ND	5.0	ug/l	1	09/03/20	M-02
Propachlor	ND	0.50	ug/l	1	09/03/20	M-02
Toxaphene	ND	5.0	ug/l	1	09/03/20	M-02
Trifluralin	ND	0.10	ug/l	1	09/03/20	M-02
Surrogate(s)						
Decachlorobiphenyl	*85%*	*Conc: 0.849*	*70-130*		*09/03/20*	*M-02*
Tetrachloro-meta-xylene	*79%*	*Conc: 0.792*	*70-130*		*09/03/20*	*M-02*
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 08:20				**Analyst:** jna
Diquat	ND	4.0	ug/l	1	08/31/20	
Paraquat	ND	4.0	ug/l	1	08/31/20	

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Sample Results

(Continued)

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03 (Water)

Sampled: 08/18/20 10:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	08/31/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1510 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/27/20 08:26				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/29/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/29/20	
HAA5, Total	ND	1.0	ug/l	1	08/29/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/29/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/29/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/29/20	
Surrogate(s)						
2-Bromobutyric acid	*94%*	*Conc: 9.43*	*70-130*		*08/29/20*	
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)		**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	**0.086**	0.020	ug/l	1	09/01/20	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0H1512 **Preparation:** EPA 525.2/SPE		**Prepared:** 08/28/20 09:08				**Analyst:** rmr
Alachlor	ND	0.50	ug/l	1	09/01/20	M-02
Atrazine	ND	0.50	ug/l	1	09/01/20	M-02
Benzo (a) pyrene	ND	0.50	ug/l	1	09/01/20	M-02
Bis(2-ethylhexyl)adipate	ND	2.5	ug/l	1	09/01/20	M-02
Bis(2-ethylhexyl)phthalate	ND	2.5	ug/l	1	09/01/20	M-02
Bromacil	ND	2.5	ug/l	1	09/01/20	M-02
Butachlor	ND	0.50	ug/l	1	09/01/20	M-02
Captan	ND	5.0	ug/l	1	09/01/20	M-02
Chlorpropham	ND	0.50	ug/l	1	09/01/20	M-02
Cyanazine	ND	0.50	ug/l	1	09/01/20	M-02
Diazinon	ND	0.50	ug/l	1	09/01/20	M-02
Dimethoate	ND	1.0	ug/l	1	09/01/20	M-02
Diphenamid	ND	0.50	ug/l	1	09/01/20	M-02

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Sample Results

(Continued)

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03 (Water)

Sampled: 08/18/20 10:45 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0H1512 **Preparation:** EPA 525.2/SPE		**Prepared:** 08/28/20 09:08				**Analyst:** rmr
Disulfoton	ND	0.50	ug/l	1	09/01/20	M-02
EPTC	ND	0.50	ug/l	1	09/01/20	M-02
Metolachlor	ND	0.50	ug/l	1	09/01/20	M-02
Metribuzin	ND	0.50	ug/l	1	09/01/20	M-02
Molinate	ND	0.50	ug/l	1	09/01/20	M-02
Prometon	ND	0.50	ug/l	1	09/01/20	M-02
Prometryn	ND	0.50	ug/l	1	09/01/20	M-02
Simazine	ND	0.50	ug/l	1	09/01/20	M-02
Terbacil	ND	10	ug/l	1	09/01/20	M-02
Thiobencarb	ND	0.50	ug/l	1	09/01/20	M-02
Trithion	ND	0.50	ug/l	1	09/01/20	M-02
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*103%*	*Conc: 25.7*	*70-130*		*09/01/20*	*M-02*
Perylene-d12	*45%*	*Conc: 11.2*	*50-120*		*09/01/20*	*M-02, S-GC*
Triphenyl phosphate	*91%*	*Conc: 22.8*	*70-130*		*09/01/20*	*M-02*
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/25/20	

Sample: MCWP-MW07S, Alias: 432391-002
0H20067-03RE1 (Water)

Sampled: 08/18/20 10:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1						
Method: EPA 300.1		**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)		**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND	50	ug/l	10	08/27/20	M-05
Chlorite	ND	100	ug/l	10	08/27/20	M-05
Surrogate(s)						
Dichloroacetate	*94%*	*Conc: 470*	*90-115*		*08/27/20*	
Nitrosamines by isotopic dilution GC/MS CI Mode						
Method: EPA 1625M		**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE		**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/31/20	

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Sample Results

(Continued)

Sample: MCWP-MW07S Travel Blank, Alias: 432391-002
0H20067-04 (Water)

Sampled: 08/18/20 10:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/25/20	

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Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05 (Water)

Sampled: 08/18/20 11:50 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/15/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/15/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/15/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/15/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/15/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/15/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/15/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/15/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/15/20	
Acenaphthene	ND	1.0	ug/l	1	09/15/20	
Acenaphthylene	ND	1.0	ug/l	1	09/15/20	
Anthracene	ND	1.0	ug/l	1	09/15/20	
Benzidine	ND	10	ug/l	1	09/15/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/15/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/15/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/15/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/15/20	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/15/20	
Chrysene	ND	1.0	ug/l	1	09/15/20	

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931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05 (Water)

Sampled: 08/18/20 11:50 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/15/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/15/20	
Fluoranthene	ND	1.0	ug/l	1	09/15/20	
Fluorene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/15/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/15/20	
Hexachloroethane	ND	1.0	ug/l	1	09/15/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/15/20	
Isophorone	ND	1.0	ug/l	1	09/15/20	
Naphthalene	ND	1.0	ug/l	1	09/15/20	
Nitrobenzene	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/15/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/15/20	
Phenanthrene	ND	1.0	ug/l	1	09/15/20	
Phenol	ND	1.0	ug/l	1	09/15/20	
Pyrene	ND	1.0	ug/l	1	09/15/20	
Surrogate(s)						
2,4,6-Tribromophenol	*70%*	*Conc: 34.8*	*25-120*		*09/15/20*	
2-Fluorobiphenyl	*66%*	*Conc: 16.5*	*22-120*		*09/15/20*	
2-Fluorophenol	*50%*	*Conc: 24.9*	*17-120*		*09/15/20*	
Nitrobenzene-d5	*67%*	*Conc: 16.6*	*47-120*		*09/15/20*	
Phenol-d5	*33%*	*Conc: 16.5*	*12-120*		*09/15/20*	
Terphenyl-d14	*88%*	*Conc: 21.9*	*44-129*		*09/15/20*	
Anions by IC, EPA Method 300.1						
Method: EPA 300.1		**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)		**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND	5.0	ug/l	1	08/26/20	
Surrogate(s)						
Dichloroacetate	*106%*	*Conc: 531*	*90-115*		*08/26/20*	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05 (Water)

Sampled: 08/18/20 11:50 by Client
(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)			**Prepared:** 09/02/20 15:04				**Analyst:** jan
3-Hydroxycarbofuran	ND		2.0	ug/l	1	09/09/20	
Aldicarb	ND		2.0	ug/l	1	09/09/20	
Aldicarb sulfone	ND		2.0	ug/l	1	09/09/20	
Aldicarb sulfoxide	ND		2.0	ug/l	1	09/09/20	
Carbaryl	ND		2.0	ug/l	1	09/09/20	
Carbofuran	ND		2.0	ug/l	1	09/09/20	
Methiocarb	ND		2.0	ug/l	1	09/09/20	
Methomyl	ND		2.0	ug/l	1	09/09/20	
Oxamyl	ND		2.0	ug/l	1	09/09/20	
Propoxur (Baygon)	ND		2.0	ug/l	1	09/09/20	
Surrogate(s)							
BDMC	*102%*	*Conc: 10.2*	*70-130*			*09/09/20*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 09/01/20 08:17				**Analyst:** amw
2,4,5-T	ND		0.20	ug/l	1	09/02/20	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	09/02/20	
2,4-D	ND		0.40	ug/l	1	09/02/20	
2,4-DB	ND		2.0	ug/l	1	09/02/20	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	09/02/20	
Acifluorfen	ND		0.40	ug/l	1	09/02/20	
Bentazon	ND		2.0	ug/l	1	09/02/20	
Dalapon	ND		0.40	ug/l	1	09/02/20	
DCPA	ND		0.10	ug/l	1	09/02/20	
Dicamba	ND		0.60	ug/l	1	09/02/20	
Dichloroprop	ND		0.30	ug/l	1	09/02/20	
Dinoseb	ND		0.40	ug/l	1	09/02/20	
Pentachlorophenol	ND		0.20	ug/l	1	09/02/20	
Picloram	ND		0.60	ug/l	1	09/02/20	
Surrogate(s)							
2,4-DCAA	*128%*	*Conc: 12.8*	*70-130*			*09/02/20*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508			**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF			**Prepared:** 08/21/20 12:21				**Analyst:** AMW
4,4´-DDD	ND		0.50	ug/l	50	09/03/20	M-04
4,4´-DDE	ND		0.50	ug/l	50	09/03/20	M-04

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Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05 (Water)

Sampled: 08/18/20 11:50 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21			**Analyst:** AMW	
4,4´-DDT	ND	0.50	ug/l	50	09/03/20	M-04
Aldrin	ND	0.50	ug/l	50	09/03/20	M-04
alpha-BHC	ND	0.50	ug/l	50	09/03/20	M-04
Aroclor 1016	ND	50	ug/l	50	09/03/20	M-04, R-01
Aroclor 1221	ND	50	ug/l	50	09/03/20	M-04, R-01
Aroclor 1232	ND	50	ug/l	50	09/03/20	M-04, R-01
Aroclor 1242	ND	50	ug/l	50	09/03/20	M-04, R-01
Aroclor 1248	ND	50	ug/l	50	09/03/20	M-04, R-01
Aroclor 1254	ND	50	ug/l	50	09/03/20	M-04, R-01
Aroclor 1260	ND	50	ug/l	50	09/03/20	M-04, R-01
beta-BHC	ND	0.50	ug/l	50	09/03/20	M-04
Chlordane (tech)	ND	5.0	ug/l	50	09/03/20	M-04, R-01
Chlorothalonil	ND	2.5	ug/l	50	09/03/20	M-04
delta-BHC	ND	0.50	ug/l	50	09/03/20	M-04
Dieldrin	ND	0.50	ug/l	50	09/03/20	M-04
Endosulfan I	ND	0.50	ug/l	50	09/03/20	M-04
Endosulfan II	ND	0.50	ug/l	50	09/03/20	M-04
Endosulfan sulfate	ND	0.50	ug/l	50	09/03/20	M-04
Endrin	ND	0.50	ug/l	50	09/03/20	M-04
Endrin aldehyde	ND	0.50	ug/l	50	09/03/20	M-04
gamma-BHC (Lindane)	ND	0.50	ug/l	50	09/03/20	M-04
Heptachlor	ND	0.50	ug/l	50	09/03/20	M-04
Heptachlor epoxide	ND	0.50	ug/l	50	09/03/20	M-04
Hexachlorobenzene	ND	2.5	ug/l	50	09/03/20	M-04
Hexachlorocyclopentadiene	ND	2.5	ug/l	50	09/03/20	M-04
Methoxychlor	ND	0.50	ug/l	50	09/03/20	M-04
PCBs, Total	ND	25	ug/l	50	09/03/20	M-04
Propachlor	ND	2.5	ug/l	50	09/03/20	M-04
Toxaphene	ND	25	ug/l	50	09/03/20	M-04, R-01
Trifluralin	ND	0.50	ug/l	50	09/03/20	M-04
Surrogate(s)						
Decachlorobiphenyl	*82%*	*Conc: 0.0822*	*70-130*		*09/03/20*	*M-04*
Tetrachloro-meta-xylene	*163%*	*Conc: 0.163*	*70-130*		*09/03/20*	*M-04, S-GC*
Diquat and Paraquat by EPA 549.2						

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Project Number: EO-432391

Project Manager: Ranjit Clarke

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Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05 (Water)

Sampled: 08/18/20 11:50 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 08:20				**Analyst:** jna
Diquat	ND	4.0	ug/l	1	09/01/20	
Paraquat	ND	4.0	ug/l	1	09/01/20	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	08/31/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1510 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/27/20 08:26				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/29/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/29/20	
HAA5, Total	ND	1.0	ug/l	1	08/29/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/29/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/29/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/29/20	
Surrogate(s)						
2-Bromobutyric acid	*101%*	*Conc: 10.1*	*70-130*		*08/29/20*	
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)		**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	**0.034**	0.020	ug/l	1	09/01/20	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Alachlor	ND	2.0	ug/l	1	09/04/20	M-02
Atrazine	ND	2.0	ug/l	1	09/04/20	M-02
Benzo (a) pyrene	ND	2.0	ug/l	1	09/04/20	M-02
Bis(2-ethylhexyl)adipate	ND	40	ug/l	1	09/04/20	M-02
Bis(2-ethylhexyl)phthalate	ND	40	ug/l	1	09/04/20	M-02
Bromacil	ND	10	ug/l	1	09/04/20	M-02
Butachlor	ND	2.0	ug/l	1	09/04/20	M-02
Captan	ND	20	ug/l	1	09/04/20	BS-04, M-02

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Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05 (Water)

Sampled: 08/18/20 11:50 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Chlorpropham	ND	2.0	ug/l	1	09/04/20	M-02
Cyanazine	ND	2.0	ug/l	1	09/04/20	BS-04, M-02
Diazinon	ND	2.0	ug/l	1	09/04/20	M-02
Dimethoate	ND	4.0	ug/l	1	09/04/20	BS-04, M-02
Diphenamid	ND	2.0	ug/l	1	09/04/20	M-02
Disulfoton	ND	2.0	ug/l	1	09/04/20	M-02
EPTC	ND	2.0	ug/l	1	09/04/20	M-02
Metolachlor	ND	2.0	ug/l	1	09/04/20	M-02
Metribuzin	ND	2.0	ug/l	1	09/04/20	M-02
Molinate	ND	2.0	ug/l	1	09/04/20	M-02
Prometon	ND	2.0	ug/l	1	09/04/20	M-02
Prometryn	ND	2.0	ug/l	1	09/04/20	M-02
Simazine	ND	2.0	ug/l	1	09/04/20	M-02
Terbacil	ND	40	ug/l	1	09/04/20	BS-04, M-02
Thiobencarb	ND	2.0	ug/l	1	09/04/20	M-02
Trithion	ND	2.0	ug/l	1	09/04/20	BS-04, M-02
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*96%*	*Conc: 96.4*	*70-130*		*09/04/20*	*M-02*
Perylene-d12	*94%*	*Conc: 94.5*	*50-120*		*09/04/20*	*M-02*
Triphenyl phosphate	*100%*	*Conc: 100*	*70-130*		*09/04/20*	*M-02*
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/25/20	

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Sample Results

(Continued)

Sample: MCWP-MW07D, Alias: 432391-003
0H20067-05RE1 (Water)

Sampled: 08/18/20 11:50 by Client

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)			**Prepared:** 08/26/20 09:34				**Analyst:** jan
Chlorite	ND		100	ug/l	10	08/27/20	M-05
Surrogate(s)							
Dichloroacetate	*105%*	*Conc: 526*	*90-115*			*08/27/20*	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M			**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE			**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND		2.0	ng/l	1	08/31/20	

Sample: MCWP-MW07D Travel Blank, Alias: 432391-003
0H20067-06 (Water)

Sampled: 08/18/20 11:50 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/25/20	

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Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07 (Water)

Sampled: 08/18/20 12:30 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/15/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/15/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/15/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/15/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/15/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/15/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/15/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/15/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/15/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/15/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/15/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/15/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/15/20	
Acenaphthene	ND	1.0	ug/l	1	09/15/20	
Acenaphthylene	ND	1.0	ug/l	1	09/15/20	
Anthracene	ND	1.0	ug/l	1	09/15/20	
Benzidine	ND	10	ug/l	1	09/15/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/15/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/15/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/15/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/15/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/15/20	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/15/20	
Chrysene	ND	1.0	ug/l	1	09/15/20	

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Orange, CA 92868

Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07 (Water)

Sampled: 08/18/20 12:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1350 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/25/20 09:10				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/15/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/15/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/15/20	
Fluoranthene	ND	1.0	ug/l	1	09/15/20	
Fluorene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/15/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/15/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/15/20	
Hexachloroethane	ND	1.0	ug/l	1	09/15/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/15/20	
Isophorone	ND	1.0	ug/l	1	09/15/20	
Naphthalene	ND	1.0	ug/l	1	09/15/20	
Nitrobenzene	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/15/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/15/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/15/20	
Phenanthrene	ND	1.0	ug/l	1	09/15/20	
Phenol	ND	1.0	ug/l	1	09/15/20	
Pyrene	ND	1.0	ug/l	1	09/15/20	
Surrogate(s)						
2,4,6-Tribromophenol	*65%*	*Conc: 32.3*	*25-120*		*09/15/20*	
2-Fluorobiphenyl	*73%*	*Conc: 18.3*	*22-120*		*09/15/20*	
2-Fluorophenol	*50%*	*Conc: 25.0*	*17-120*		*09/15/20*	
Nitrobenzene-d5	*74%*	*Conc: 18.6*	*47-120*		*09/15/20*	
Phenol-d5	*34%*	*Conc: 17.2*	*12-120*		*09/15/20*	
Terphenyl-d14	*81%*	*Conc: 20.3*	*44-129*		*09/15/20*	
Carbamates and Urea Pesticides						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04				**Analyst:** jan
3-Hydroxycarbofuran	ND	2.0	ug/l	1	09/10/20	
Aldicarb	ND	2.0	ug/l	1	09/10/20	
Aldicarb sulfone	ND	2.0	ug/l	1	09/10/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07 (Water)

Sampled: 08/18/20 12:30 by Client
(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)							
Method: EPA 531.2			**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)			**Prepared:** 09/02/20 15:04			**Analyst:** jan	
Aldicarb sulfoxide	ND		2.0	ug/l	1	09/10/20	
Carbaryl	ND		2.0	ug/l	1	09/10/20	
Carbofuran	ND		2.0	ug/l	1	09/10/20	
Methiocarb	ND		2.0	ug/l	1	09/10/20	
Methomyl	ND		2.0	ug/l	1	09/10/20	
Oxamyl	ND		2.0	ug/l	1	09/10/20	
Propoxur (Baygon)	ND		2.0	ug/l	1	09/10/20	
Surrogate(s)							
BDMC	*88%*	*Conc: 8.78*	*70-130*			*09/10/20*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 09/01/20 08:17			**Analyst:** amw	
2,4,5-T	ND		0.20	ug/l	1	09/02/20	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	09/02/20	
2,4-D	ND		0.40	ug/l	1	09/02/20	
2,4-DB	ND		2.0	ug/l	1	09/02/20	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	09/02/20	
Acifluorfen	ND		0.40	ug/l	1	09/02/20	
Bentazon	ND		2.0	ug/l	1	09/02/20	
Dalapon	ND		0.40	ug/l	1	09/02/20	
DCPA	ND		0.10	ug/l	1	09/02/20	
Dicamba	ND		0.60	ug/l	1	09/02/20	
Dichloroprop	ND		0.30	ug/l	1	09/02/20	
Dinoseb	ND		0.40	ug/l	1	09/02/20	
Pentachlorophenol	ND		0.20	ug/l	1	09/02/20	
Picloram	ND		0.60	ug/l	1	09/02/20	
Surrogate(s)							
2,4-DCAA	*98%*	*Conc: 9.80*	*70-130*			*09/02/20*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508			**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF			**Prepared:** 08/21/20 12:21			**Analyst:** AMW	
4,4´-DDD	ND		0.010	ug/l	1	09/03/20	
4,4´-DDE	ND		0.010	ug/l	1	09/03/20	
4,4´-DDT	ND		0.010	ug/l	1	09/03/20	
Aldrin	ND		0.010	ug/l	1	09/03/20	
alpha-BHC	ND		0.010	ug/l	1	09/03/20	

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Project Manager: Ranjit Clarke

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Sample Results

(Continued)

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07 (Water)

Sampled: 08/18/20 12:30 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21				**Analyst:** AMW
Aroclor 1016	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1221	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1232	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1242	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1248	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1254	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1260	ND	0.50	ug/l	1	09/03/20	R-01
beta-BHC	ND	0.010	ug/l	1	09/03/20	
Chlordane (tech)	ND	0.10	ug/l	1	09/03/20	
Chlorothalonil	ND	0.050	ug/l	1	09/03/20	
delta-BHC	ND	0.010	ug/l	1	09/03/20	
Dieldrin	ND	0.010	ug/l	1	09/03/20	
Endosulfan I	ND	0.010	ug/l	1	09/03/20	
Endosulfan II	ND	0.010	ug/l	1	09/03/20	
Endosulfan sulfate	ND	0.010	ug/l	1	09/03/20	
Endrin	ND	0.010	ug/l	1	09/03/20	
Endrin aldehyde	ND	0.010	ug/l	1	09/03/20	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/03/20	
Heptachlor	ND	0.010	ug/l	1	09/03/20	
Heptachlor epoxide	ND	0.010	ug/l	1	09/03/20	
Hexachlorobenzene	ND	0.050	ug/l	1	09/03/20	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/03/20	
Methoxychlor	ND	0.010	ug/l	1	09/03/20	
PCBs, Total	ND	0.50	ug/l	1	09/03/20	
Propachlor	ND	0.050	ug/l	1	09/03/20	
Toxaphene	ND	0.50	ug/l	1	09/03/20	R-01
Trifluralin	ND	0.010	ug/l	1	09/03/20	
Surrogate(s)						
Decachlorobiphenyl	*44%*	*Conc: 0.0435*	*70-130*		*09/03/20*	*S-GC*
Tetrachloro-meta-xylene	*81%*	*Conc: 0.0806*	*70-130*		*09/03/20*	
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 08:20				**Analyst:** jna
Diquat	ND	4.0	ug/l	1	09/01/20	
Paraquat	ND	4.0	ug/l	1	09/01/20	

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Project Manager: Ranjit Clarke

Reported: 09/22/2020 09:25

Sample Results

(Continued)

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07 (Water)

Sampled: 08/18/20 12:30 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	09/01/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1510 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/27/20 08:26				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	08/29/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	08/29/20	
HAA5, Total	ND	1.0	ug/l	1	08/29/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	08/29/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	08/29/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	08/29/20	
Surrogate(s)						
2-Bromobutyric acid	*98%*	*Conc: 9.83*	*70-130*		*08/29/20*	
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)		**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	ND	0.020	ug/l	1	09/01/20	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Alachlor	ND	0.10	ug/l	1	09/04/20	
Atrazine	ND	0.10	ug/l	1	09/04/20	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/04/20	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/04/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/04/20	
Bromacil	ND	0.50	ug/l	1	09/04/20	
Butachlor	ND	0.10	ug/l	1	09/04/20	
Captan	ND	1.0	ug/l	1	09/04/20	BS-04
Chlorpropham	ND	0.10	ug/l	1	09/04/20	
Cyanazine	ND	0.10	ug/l	1	09/04/20	BS-04
Diazinon	ND	0.10	ug/l	1	09/04/20	
Dimethoate	ND	0.20	ug/l	1	09/04/20	BS-04
Diphenamid	ND	0.10	ug/l	1	09/04/20	

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Sample Results

(Continued)

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07 (Water)

Sampled: 08/18/20 12:30 by Client
(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE			**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Disulfoton	ND		0.10	ug/l	1	09/04/20	
EPTC	ND		0.10	ug/l	1	09/04/20	
Metolachlor	ND		0.10	ug/l	1	09/04/20	
Metribuzin	ND		0.10	ug/l	1	09/04/20	
Molinate	ND		0.10	ug/l	1	09/04/20	
Prometon	ND		0.10	ug/l	1	09/04/20	
Prometryn	ND		0.10	ug/l	1	09/04/20	
Simazine	ND		0.10	ug/l	1	09/04/20	
Terbacil	ND		2.0	ug/l	1	09/04/20	BS-04
Thiobencarb	ND		0.10	ug/l	1	09/04/20	
Trithion	ND		0.10	ug/l	1	09/04/20	BS-04
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*95%*	*Conc: 4.73*	*70-130*			*09/04/20*	
Perylene-d12	*92%*	*Conc: 4.60*	*50-120*			*09/04/20*	
Triphenyl phosphate	*112%*	*Conc: 5.60*	*70-130*			*09/04/20*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T			**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND		0.010	ug/l	1	08/25/20	
1,2-Dibromoethane (EDB)	ND		0.020	ug/l	1	08/25/20	

Sample: MCWP-MW04S, Alias: 432391-004
0H20067-07RE1 (Water)

Sampled: 08/18/20 12:30 by Client

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)			**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND		120	ug/l	25	08/27/20	M-05
Chlorite	ND		250	ug/l	25	08/27/20	M-05
Surrogate(s)							
Dichloroacetate	*105%*	*Conc: 526*	*90-115*			*08/27/20*	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M			**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE			**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND		2.0	ng/l	1	08/31/20	

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Project Number: EO-432391

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Sample Results

(Continued)

Sample: MCWP-MW04S Travel Blank, Alias: 432391-004
0H20067-08 (Water)

Sampled: 08/18/20 12:30 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/26/20	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1										
Blank (W0H1350-BLK1)				**Prepared: 08/25/20 Analyzed: 09/15/20**						
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,4,6-Trichlorophenol	ND	1.0	ug/l							
2,4-Dichlorophenol	ND	1.0	ug/l							
2,4-Dimethylphenol	ND	1.0	ug/l							
2,4-Dinitrophenol	ND	5.0	ug/l							
2,4-Dinitrotoluene	ND	1.0	ug/l							
2,6-Dinitrotoluene	ND	1.0	ug/l							
2-Chloronaphthalene	ND	1.0	ug/l							
2-Chlorophenol	ND	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l							
2-Nitrophenol	ND	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	ug/l							
4-Chloro-3-methylphenol	ND	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	1.0	ug/l							
4-Nitrophenol	ND	2.0	ug/l							
Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	1.0	ug/l							
Anthracene	ND	1.0	ug/l							
Benzidine	ND	10	ug/l							
Benzo (a) anthracene	ND	1.0	ug/l							
Benzo (a) pyrene	ND	1.0	ug/l							
Benzo (b) fluoranthene	ND	1.0	ug/l							
Benzo (g,h,i) perylene	ND	1.0	ug/l							
Benzo (k) fluoranthene	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Butyl benzyl phthalate	ND	1.0	ug/l							
Chrysene	ND	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	1.0	ug/l							
Diethyl phthalate	ND	1.0	ug/l							
Dimethyl phthalate	ND	1.0	ug/l							
Di-n-butyl phthalate	ND	1.0	ug/l							

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Blank (W0H1350-BLK1)				**Prepared: 08/25/20 Analyzed: 09/15/20**						
Di-n-octyl phthalate	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	1.0	ug/l							
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	5.0	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
N-Nitrosodimethylamine	ND	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	1.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	1.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	1.0	ug/l							
Surrogate(s)										
2,4,6-Tribromophenol	*36.9*		*ug/l*	*50.0*		*74*	*25-120*			
2-Fluorobiphenyl	*19.1*		*ug/l*	*25.0*		*77*	*22-120*			
2-Fluorophenol	*30.1*		*ug/l*	*50.0*		*60*	*17-120*			
Nitrobenzene-d5	*19.9*		*ug/l*	*25.0*		*79*	*47-120*			
Phenol-d5	*19.3*		*ug/l*	*50.0*		*39*	*12-120*			
Terphenyl-d14	*22.9*		*ug/l*	*25.0*		*92*	*44-129*			
LCS (W0H1350-BS1)				**Prepared: 08/25/20 Analyzed: 09/14/20**						
1,2,4-Trichlorobenzene	20.0	1.0	ug/l	25.0		80	57-130			
1,2-Dichlorobenzene	19.2	1.0	ug/l	25.0		77	57-120			
1,3-Dichlorobenzene	19.1	1.0	ug/l	25.0		76	55-120			
1,4-Dichlorobenzene	18.7	1.0	ug/l	25.0		75	55-120			
2,4,6-Trichlorophenol	21.3	1.0	ug/l	25.0		85	52-129			
2,4-Dichlorophenol	22.3	1.0	ug/l	25.0		89	53-122			
2,4-Dimethylphenol	14.9	1.0	ug/l	25.0		59	42-120			
2,4-Dinitrophenol	25.5	5.0	ug/l	25.0		102	0.1-173			
2,4-Dinitrotoluene	19.3	1.0	ug/l	25.0		77	48-127			
2,6-Dinitrotoluene	21.4	1.0	ug/l	25.0		85	68-137			
2-Chloronaphthalene	20.5	1.0	ug/l	25.0		82	65-120			
2-Chlorophenol	20.6	1.0	ug/l	25.0		82	36-120			
2-Methyl-4,6-dinitrophenol	20.3	1.0	ug/l	25.0		81	53-130			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
LCS (W0H1350-BS1)				**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
2-Nitrophenol	20.6	1.0	ug/l	25.0		82	45-167			
3,3'-Dichlorobenzidine	18.8	1.0	ug/l	25.0		75	8-213			
4-Bromophenyl phenyl ether	20.5	1.0	ug/l	25.0		82	65-120			
4-Chloro-3-methylphenol	20.9	1.0	ug/l	25.0		84	41-128			
4-Chlorophenyl phenyl ether	19.1	1.0	ug/l	25.0		76	38-145			
4-Nitrophenol	7.61	2.0	ug/l	25.0		30	13-129			
Acenaphthene	21.2	1.0	ug/l	25.0		85	60-132			
Acenaphthylene	22.6	1.0	ug/l	25.0		91	54-126			
Anthracene	21.7	1.0	ug/l	25.0		87	43-120			
Benzo (a) anthracene	18.7	1.0	ug/l	25.0		75	42-133			
Benzo (a) pyrene	23.3	1.0	ug/l	25.0		93	32-148			
Benzo (b) fluoranthene	23.1	1.0	ug/l	25.0		92	42-140			AN-IP
Benzo (g,h,i) perylene	24.2	1.0	ug/l	25.0		97	0.1-195			
Benzo (k) fluoranthene	24.4	1.0	ug/l	25.0		98	25-146			AN-IP
Bis(2-chloroethoxy)methane	21.0	1.0	ug/l	25.0		84	49-165			
Bis(2-chloroethyl)ether	19.0	1.0	ug/l	25.0		76	43-126			
Bis(2-chloroisopropyl)ether	20.1	1.0	ug/l	25.0		80	63-139			
Bis(2-ethylhexyl)phthalate	20.3	2.0	ug/l	25.0		81	29-137			
Butyl benzyl phthalate	20.3	1.0	ug/l	25.0		81	0.1-140			
Chrysene	23.7	1.0	ug/l	25.0		95	44-140			
Dibenzo (a,h) anthracene	23.4	1.0	ug/l	25.0		94	0.1-200			
Diethyl phthalate	20.7	1.0	ug/l	25.0		83	0.1-120			
Dimethyl phthalate	20.5	1.0	ug/l	25.0		82	0.1-120			
Di-n-butyl phthalate	22.9	1.0	ug/l	25.0		92	8-120			
Di-n-octyl phthalate	23.7	1.0	ug/l	25.0		95	19-132			
Fluoranthene	20.8	1.0	ug/l	25.0		83	43-121			
Fluorene	20.7	1.0	ug/l	25.0		83	70-120			
Hexachlorobenzene	20.2	1.0	ug/l	25.0		81	8-142			
Hexachlorobutadiene	21.4	1.0	ug/l	25.0		86	38-120			
Hexachlorocyclopentadiene	13.7	5.0	ug/l	25.0		55	10-120			
Hexachloroethane	20.2	1.0	ug/l	25.0		81	55-120			
Indeno (1,2,3-cd) pyrene	22.8	1.0	ug/l	25.0		91	0.1-151			
Isophorone	20.0	1.0	ug/l	25.0		80	47-180			
Naphthalene	20.6	1.0	ug/l	25.0		82	36-120			
Nitrobenzene	20.0	1.0	ug/l	25.0		80	54-158			
N-Nitrosodimethylamine	13.5	1.0	ug/l	25.0		54	22-120			
N-Nitrosodi-n-propylamine	21.8	1.0	ug/l	25.0		87	14-198			
N-Nitrosodiphenylamine	16.6	1.0	ug/l	25.0		67	47-120			
Pentachlorophenol	20.0	1.0	ug/l	25.0		80	41-120			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
LCS (W0H1350-BS1)				**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
Phenanthrene	22.5	1.0	ug/l	25.0		90	65-120			
Phenol	8.85	1.0	ug/l	25.0		35	17-120			
Pyrene	21.5	1.0	ug/l	25.0		86	70-120			
Surrogate(s)										
2,4,6-Tribromophenol	*40.7*		*ug/l*	*50.0*		*81*	*25-120*			
2-Fluorobiphenyl	*21.2*		*ug/l*	*25.0*		*85*	*22-120*			
2-Fluorophenol	*29.6*		*ug/l*	*50.0*		*59*	*17-120*			
Nitrobenzene-d5	*20.7*		*ug/l*	*25.0*		*83*	*47-120*			
Phenol-d5	*19.2*		*ug/l*	*50.0*		*38*	*12-120*			
Terphenyl-d14	*24.9*		*ug/l*	*25.0*		*99*	*44-129*			
Duplicate (W0H1350-DUP1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
1,2,4-Trichlorobenzene	ND	4.0	ug/l		ND				30	M-02, M-04
1,2-Dichlorobenzene	ND	4.0	ug/l		ND				30	M-02, M-04
1,3-Dichlorobenzene	ND	4.0	ug/l		ND				30	M-02, M-04
1,4-Dichlorobenzene	ND	4.0	ug/l		ND				30	M-02, M-04
2,4,6-Trichlorophenol	4.77	4.0	ug/l		4.23			12	30	M-04, M-02
2,4-Dichlorophenol	ND	4.0	ug/l		ND				30	M-02, M-04
2,4-Dimethylphenol	ND	4.0	ug/l		ND				30	M-02, M-04
2,4-Dinitrophenol	ND	20	ug/l		ND				30	M-02, M-04
2,4-Dinitrotoluene	ND	4.0	ug/l		ND				30	M-02, M-04
2,6-Dinitrotoluene	ND	4.0	ug/l		ND				30	M-02, M-04
2-Chloronaphthalene	ND	4.0	ug/l		ND				30	M-02, M-04
2-Chlorophenol	ND	4.0	ug/l		ND				30	M-02, M-04
2-Methyl-4,6-dinitrophenol	ND	4.0	ug/l		ND				30	M-02, M-04
2-Nitrophenol	ND	4.0	ug/l		ND				30	M-02, M-04
3,3'-Dichlorobenzidine	ND	4.0	ug/l		ND				30	M-04, M-02
4-Bromophenyl phenyl ether	ND	4.0	ug/l		ND				30	M-02, M-04
4-Chloro-3-methylphenol	ND	4.0	ug/l		ND				30	M-02, M-04
4-Chlorophenyl phenyl ether	ND	4.0	ug/l		ND				30	M-02, M-04
4-Nitrophenol	ND	8.0	ug/l		ND				30	M-02, M-04, R-01
Acenaphthene	ND	4.0	ug/l		ND				30	M-02, M-04
Acenaphthylene	ND	4.0	ug/l		ND				30	M-02, M-04
Anthracene	ND	4.0	ug/l		ND				30	M-04, M-02
Benzo (a) anthracene	ND	4.0	ug/l		ND				30	M-02, M-04
Benzo (a) pyrene	ND	4.0	ug/l		ND				30	M-02, M-04
Benzo (b) fluoranthene	ND	4.0	ug/l		ND				30	M-02, M-04
Benzo (g,h,i) perylene	ND	4.0	ug/l		ND				30	M-02, M-04
Benzo (k) fluoranthene	ND	4.0	ug/l		ND				30	M-02, M-04
Bis(2-chloroethoxy)methane	ND	4.0	ug/l		ND				30	M-02, M-04

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Duplicate (W0H1350-DUP1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
Bis(2-chloroethyl)ether	ND	4.0	ug/l		ND				30	M-02, M-04
Bis(2-chloroisopropyl)ether	ND	4.0	ug/l		ND				30	M-02, M-04
Bis(2-ethylhexyl)phthalate	14.4	8.0	ug/l		12.1			17	30	M-02, M-04
Butyl benzyl phthalate	ND	4.0	ug/l		ND				30	M-02, M-04
Chrysene	ND	4.0	ug/l		ND				30	M-02, M-04
Dibenzo (a,h) anthracene	ND	4.0	ug/l		ND				30	M-02, M-04
Diethyl phthalate	6.82	4.0	ug/l		5.72			18	30	M-02, M-04
Dimethyl phthalate	ND	4.0	ug/l		ND				30	M-02, M-04
Di-n-butyl phthalate	80.6	4.0	ug/l		68.0			17	30	M-02, M-04
Di-n-octyl phthalate	ND	4.0	ug/l		ND				30	M-02, M-04
Fluoranthene	ND	4.0	ug/l		ND				30	M-02, M-04
Fluorene	ND	4.0	ug/l		ND				30	M-04, M-02
Hexachlorobenzene	ND	4.0	ug/l		ND				30	M-02, M-04
Hexachlorobutadiene	ND	4.0	ug/l		ND				30	M-02, M-04
Hexachlorocyclopentadiene	ND	20	ug/l		ND				30	M-02, M-04
Hexachloroethane	ND	4.0	ug/l		ND				30	M-02, M-04
Indeno (1,2,3-cd) pyrene	ND	4.0	ug/l		ND				30	M-02, M-04
Isophorone	ND	4.0	ug/l		ND				30	M-02, M-04
Naphthalene	ND	4.0	ug/l		ND				30	M-02, M-04
Nitrobenzene	ND	4.0	ug/l		ND				30	M-02, M-04
N-Nitrosodimethylamine	ND	4.0	ug/l		ND				30	M-04, M-02
N-Nitrosodi-n-propylamine	ND	4.0	ug/l		ND				30	M-02, M-04
N-Nitrosodiphenylamine	ND	4.0	ug/l		ND				30	M-02, M-04
Pentachlorophenol	ND	4.0	ug/l		ND				30	M-02, M-04
Phenanthrene	ND	4.0	ug/l		ND				30	M-02, M-04
Phenol	1.84	4.0	ug/l		1.99			8	30	M-02, M-04
Pyrene	ND	4.0	ug/l		ND				30	M-02, M-04
Surrogate(s)										
2,4,6-Tribromophenol	*107*		*ug/l*	*100*		*107*	*25-120*			*M-02, M-04*
2-Fluorobiphenyl	*28.5*		*ug/l*	*50.0*		*57*	*22-120*			*M-02, M-04*
2-Fluorophenol	*50.2*		*ug/l*	*100*		*50*	*17-120*			*M-02, M-04*
Nitrobenzene-d5	*36.5*		*ug/l*	*50.0*		*73*	*47-120*			*M-02, M-04*
Phenol-d5	*37.0*		*ug/l*	*100*		*37*	*12-120*			*M-04, M-02*
Terphenyl-d14	*46.2*		*ug/l*	*50.0*		*92*	*44-129*			*M-02, M-04*
Duplicate (W0H1350-DUP2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
1,2,4-Trichlorobenzene	ND	10	ug/l		ND				30	M-02
1,2-Dichlorobenzene	ND	10	ug/l		ND				30	M-02
1,3-Dichlorobenzene	ND	10	ug/l		ND				30	M-02
1,4-Dichlorobenzene	ND	10	ug/l		ND				30	M-02

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Duplicate (W0H1350-DUP2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
2,4,6-Trichlorophenol	15.2	10	ug/l		15.4			2	30	M-02
2,4-Dichlorophenol	ND	10	ug/l		ND				30	M-02
2,4-Dimethylphenol	ND	10	ug/l		ND				30	M-02
2,4-Dinitrophenol	ND	50	ug/l		ND				30	M-02
2,4-Dinitrotoluene	ND	10	ug/l		19.1				30	M-02
2,6-Dinitrotoluene	ND	10	ug/l		ND				30	M-02
2-Chloronaphthalene	ND	10	ug/l		ND				30	M-02
2-Chlorophenol	ND	10	ug/l		ND				30	M-02
2-Methyl-4,6-dinitrophenol	ND	10	ug/l		ND				30	M-02
2-Nitrophenol	ND	10	ug/l		ND				30	M-02
3,3'-Dichlorobenzidine	ND	10	ug/l		ND				30	M-02
4-Bromophenyl phenyl ether	ND	10	ug/l		ND				30	M-02
4-Chloro-3-methylphenol	ND	10	ug/l		ND				30	M-02
4-Chlorophenyl phenyl ether	ND	10	ug/l		ND				30	M-02
4-Nitrophenol	ND	20	ug/l		ND				30	M-02, R-01
Acenaphthene	ND	10	ug/l		ND				30	M-02
Acenaphthylene	ND	10	ug/l		ND				30	M-02
Anthracene	ND	10	ug/l		ND				30	M-02
Benzo (a) anthracene	ND	10	ug/l		ND				30	M-02
Benzo (a) pyrene	ND	10	ug/l		ND				30	M-02
Benzo (b) fluoranthene	ND	10	ug/l		ND				30	M-02
Benzo (g,h,i) perylene	ND	10	ug/l		ND				30	M-02
Benzo (k) fluoranthene	ND	10	ug/l		ND				30	M-02
Bis(2-chloroethoxy)methane	ND	10	ug/l		ND				30	M-02
Bis(2-chloroethyl)ether	ND	10	ug/l		ND				30	M-02
Bis(2-chloroisopropyl)ether	ND	10	ug/l		ND				30	M-02
Bis(2-ethylhexyl)phthalate	34.7	20	ug/l		39.5			13	30	M-02
Butyl benzyl phthalate	ND	10	ug/l		ND				30	M-02
Chrysene	ND	10	ug/l		ND				30	M-02
Dibenzo (a,h) anthracene	ND	10	ug/l		ND				30	M-02
Diethyl phthalate	ND	10	ug/l		ND				30	M-02
Dimethyl phthalate	ND	10	ug/l		ND				30	M-02
Di-n-butyl phthalate	1.34	10	ug/l		1.71			24	30	M-02
Di-n-octyl phthalate	ND	10	ug/l		ND				30	M-02
Fluoranthene	ND	10	ug/l		ND				30	M-02
Fluorene	ND	10	ug/l		ND				30	M-02
Hexachlorobenzene	ND	10	ug/l		ND				30	M-02
Hexachlorobutadiene	ND	10	ug/l		ND				30	M-02
Hexachlorocyclopentadiene	ND	50	ug/l		ND				30	M-02

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Duplicate (W0H1350-DUP2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
Hexachloroethane	ND	10	ug/l		ND				30	M-02
Indeno (1,2,3-cd) pyrene	ND	10	ug/l		ND				30	M-02
Isophorone	ND	10	ug/l		ND				30	M-02
Naphthalene	ND	10	ug/l		ND				30	M-02
Nitrobenzene	ND	10	ug/l		ND				30	M-02
N-Nitrosodimethylamine	ND	10	ug/l		ND				30	M-02
N-Nitrosodi-n-propylamine	ND	10	ug/l		ND				30	M-02
N-Nitrosodiphenylamine	ND	10	ug/l		ND				30	M-02
Pentachlorophenol	ND	10	ug/l		ND				30	M-02
Phenanthrene	ND	10	ug/l		ND				30	M-02
Phenol	3.10	10	ug/l		3.20			3	30	M-02
Pyrene	ND	10	ug/l		ND				30	M-02
Surrogate(s)										
2,4,6-Tribromophenol	*313*		*ug/l*	*500*		*63*	*25-120*			*M-02*
2-Fluorobiphenyl	*159*		*ug/l*	*250*		*64*	*22-120*			*M-02*
2-Fluorophenol	*280*		*ug/l*	*500*		*56*	*17-120*			*M-02*
Nitrobenzene-d5	*172*		*ug/l*	*250*		*69*	*47-120*			*M-02*
Phenol-d5	*190*		*ug/l*	*500*		*38*	*12-120*			*M-02*
Terphenyl-d14	*179*		*ug/l*	*250*		*72*	*44-129*			*M-02*
Matrix Spike (W0H1350-MS1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
1,2,4-Trichlorobenzene	32.7	4.0	ug/l	50.0	ND	65	44-142			M-02, M-04
1,2-Dichlorobenzene	32.5	4.0	ug/l	50.0	ND	65	51-120			M-02, M-04
1,3-Dichlorobenzene	29.6	4.0	ug/l	50.0	ND	59	37-120			M-02, M-04
1,4-Dichlorobenzene	30.2	4.0	ug/l	50.0	ND	60	39-120			M-02, M-04
2,4,6-Trichlorophenol	41.9	4.0	ug/l	50.0	4.23	75	37-144			M-02, M-04
2,4-Dichlorophenol	47.1	4.0	ug/l	50.0	ND	94	39-135			M-02, M-04
2,4-Dimethylphenol	41.1	4.0	ug/l	50.0	ND	82	32-120			M-02, M-04
2,4-Dinitrophenol	10.9	20	ug/l	50.0	ND	22	0.1-191			M-02, M-04
2,4-Dinitrotoluene	ND	4.0	ug/l	50.0	ND		39-139			M-04, MS-07, M-02
2,6-Dinitrotoluene	50.4	4.0	ug/l	50.0	ND	101	50-158			M-02, M-04
2-Chloronaphthalene	30.0	4.0	ug/l	50.0	ND	60	60-120			M-02, M-04
2-Chlorophenol	34.3	4.0	ug/l	50.0	ND	69	23-134			M-02, M-04
2-Methyl-4,6-dinitrophenol	55.2	4.0	ug/l	50.0	ND	110	0.1-181			M-02, M-04
2-Nitrophenol	38.8	4.0	ug/l	50.0	ND	78	29-182			M-02, M-04
3,3'-Dichlorobenzidine	0.591	4.0	ug/l	50.0	ND	100	0.1-262			M-02, M-04
4-Bromophenyl phenyl ether	45.8	4.0	ug/l	50.0	ND	92	53-127			M-02, M-04
4-Chloro-3-methylphenol	45.9	4.0	ug/l	50.0	ND	92	22-147			M-02, M-04
4-Chlorophenyl phenyl ether	40.1	4.0	ug/l	50.0	ND	80	25-158			M-02, M-04

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432391

Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike (W0H1350-MS1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
4-Nitrophenol	41.8	8.0	ug/l	50.0	64.3	NR	0.1-132			M-02, M-04
Acenaphthene	36.4	4.0	ug/l	50.0	ND	73	47-145			M-02, M-04
Acenaphthylene	38.3	4.0	ug/l	50.0	ND	77	33-145			M-02, M-04
Anthracene	41.9	4.0	ug/l	50.0	ND	84	27-133			M-04, M-02
Benzo (a) anthracene	41.4	4.0	ug/l	50.0	ND	83	33-143			M-02, M-04
Benzo (a) pyrene	31.7	4.0	ug/l	50.0	ND	63	17-163			M-02, M-04
Benzo (b) fluoranthene	35.6	4.0	ug/l	50.0	ND	71	24-159			M-02, M-04, AN-IP
Benzo (g,h,i) perylene	26.4	4.0	ug/l	50.0	ND	53	0.1-219			M-02, M-04
Benzo (k) fluoranthene	35.7	4.0	ug/l	50.0	ND	71	11-162			M-02, M-04, AN-IP
Bis(2-chloroethoxy)methane	34.3	4.0	ug/l	50.0	ND	69	33-184			M-02, M-04
Bis(2-chloroethyl)ether	31.1	4.0	ug/l	50.0	ND	62	12-158			M-02, M-04
Bis(2-chloroisopropyl)ether	33.6	4.0	ug/l	50.0	ND	67	36-166			M-02, M-04
Bis(2-ethylhexyl)phthalate	59.1	8.0	ug/l	50.0	12.1	94	8-158			M-02, M-04
Butyl benzyl phthalate	43.1	4.0	ug/l	50.0	ND	86	0.1-152			M-02, M-04
Chrysene	43.7	4.0	ug/l	50.0	ND	87	17-168			M-02, M-04
Dibenzo (a,h) anthracene	26.8	4.0	ug/l	50.0	ND	54	0.1-227			M-02, M-04
Diethyl phthalate	51.4	4.0	ug/l	50.0	5.72	91	0.1-120			M-04, M-02
Dimethyl phthalate	40.3	4.0	ug/l	50.0	ND	81	0.1-120			M-02, M-04
Di-n-butyl phthalate	123	4.0	ug/l	50.0	68.0	109	1-120			M-02, M-04
Di-n-octyl phthalate	46.9	4.0	ug/l	50.0	ND	94	4-146			M-02, M-04
Fluoranthene	43.1	4.0	ug/l	50.0	ND	86	26-137			M-02, M-04
Fluorene	43.5	4.0	ug/l	50.0	ND	87	59-121			M-02, M-04
Hexachlorobenzene	42.6	4.0	ug/l	50.0	ND	85	0.1-152			M-02, M-04
Hexachlorobutadiene	33.0	4.0	ug/l	50.0	ND	66	24-120			M-02, M-04
Hexachlorocyclopentadiene	27.2	20	ug/l	50.0	ND	54	10-120			M-02, M-04
Hexachloroethane	30.5	4.0	ug/l	50.0	ND	61	40-120			M-02, M-04
Indeno (1,2,3-cd) pyrene	28.9	4.0	ug/l	50.0	ND	58	0.1-171			M-04, M-02
Isophorone	22.8	4.0	ug/l	50.0	ND	46	21-196			M-02, M-04
Naphthalene	32.5	4.0	ug/l	50.0	ND	65	21-133			M-02, M-04
Nitrobenzene	34.2	4.0	ug/l	50.0	ND	68	35-180			M-02, M-04
N-Nitrosodimethylamine	15.2	4.0	ug/l	50.0	ND	30	18-120			M-02, M-04
N-Nitrosodi-n-propylamine	36.0	4.0	ug/l	50.0	ND	72	0.1-230			M-02, M-04
N-Nitrosodiphenylamine	30.2	4.0	ug/l	50.0	ND	60	49-120			M-02, M-04
Pentachlorophenol	61.2	4.0	ug/l	50.0	ND	122	0.1-133			M-02, M-04
Phenanthrene	43.4	4.0	ug/l	50.0	ND	87	54-120			M-02, M-04
Phenol	18.6	4.0	ug/l	50.0	1.99	33	5-120			M-02, M-04
Pyrene	43.6	4.0	ug/l	50.0	ND	87	52-120			M-04, M-02

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931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432391

Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike (W0H1350-MS1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
Surrogate(s)										
2,4,6-Tribromophenol	*107*		*ug/l*	*100*		*107*	*25-120*			*M-02, M-04*
2-Fluorobiphenyl	*28.5*		*ug/l*	*50.0*		*57*	*22-120*			*M-02, M-04*
2-Fluorophenol	*47.4*		*ug/l*	*100*		*47*	*17-120*			*M-02, M-04*
Nitrobenzene-d5	*33.7*		*ug/l*	*50.0*		*67*	*47-120*			*M-02, M-04*
Phenol-d5	*36.0*		*ug/l*	*100*		*36*	*12-120*			*M-02, M-04*
Terphenyl-d14	*50.3*		*ug/l*	*50.0*		*101*	*44-129*			*M-02, M-04*
Matrix Spike (W0H1350-MS2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
1,2,4-Trichlorobenzene	172	10	ug/l	250	ND	69	44-142			M-02
1,2-Dichlorobenzene	161	10	ug/l	250	ND	64	51-120			M-02
1,3-Dichlorobenzene	157	10	ug/l	250	ND	63	37-120			M-02
1,4-Dichlorobenzene	159	10	ug/l	250	ND	64	39-120			M-02
2,4,6-Trichlorophenol	192	10	ug/l	250	15.4	71	37-144			M-02
2,4-Dichlorophenol	225	10	ug/l	250	ND	90	39-135			M-02
2,4-Dimethylphenol	234	10	ug/l	250	ND	94	32-120			M-02
2,4-Dinitrophenol	294	50	ug/l	250	ND	118	0.1-191			M-02
2,4-Dinitrotoluene	165	10	ug/l	250	19.1	58	39-139			M-02
2,6-Dinitrotoluene	166	10	ug/l	250	ND	66	50-158			M-02
2-Chloronaphthalene	177	10	ug/l	250	ND	71	60-120			M-02
2-Chlorophenol	185	10	ug/l	250	ND	74	23-134			M-02
2-Methyl-4,6-dinitrophenol	205	10	ug/l	250	ND	82	0.1-181			M-02
2-Nitrophenol	201	10	ug/l	250	ND	81	29-182			M-02
3,3'-Dichlorobenzidine	70.3	10	ug/l	250	ND	28	0.1-262			M-02
4-Bromophenyl phenyl ether	171	10	ug/l	250	ND	68	53-127			M-02
4-Chloro-3-methylphenol	181	10	ug/l	250	ND	72	22-147			M-02
4-Chlorophenyl phenyl ether	150	10	ug/l	250	ND	60	25-158			M-02
4-Nitrophenol	86.8	20	ug/l	250	31.3	22	0.1-132			M-02
Acenaphthene	161	10	ug/l	250	ND	64	47-145			M-02
Acenaphthylene	194	10	ug/l	250	ND	78	33-145			M-02
Anthracene	184	10	ug/l	250	ND	74	27-133			M-02
Benzo (a) anthracene	163	10	ug/l	250	ND	65	33-143			M-02
Benzo (a) pyrene	125	10	ug/l	250	ND	50	17-163			M-02
Benzo (b) fluoranthene	145	10	ug/l	250	ND	58	24-159			M-02, AN-IP
Benzo (g,h,i) perylene	123	10	ug/l	250	ND	49	0.1-219			M-02
Benzo (k) fluoranthene	144	10	ug/l	250	ND	57	11-162			M-02, AN-IP
Bis(2-chloroethoxy)methane	184	10	ug/l	250	ND	74	33-184			M-02
Bis(2-chloroethyl)ether	163	10	ug/l	250	ND	65	12-158			M-02
Bis(2-chloroisopropyl)ether	172	10	ug/l	250	ND	69	36-166			M-02

Enthalpy Analytical - Orange
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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike (W0H1350-MS2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
Bis(2-ethylhexyl)phthalate	203	20	ug/l	250	39.5	65	8-158			M-02
Butyl benzyl phthalate	172	10	ug/l	250	ND	69	0.1-152			M-02
Chrysene	180	10	ug/l	250	ND	72	17-168			M-02
Dibenzo (a,h) anthracene	126	10	ug/l	250	ND	50	0.1-227			M-02
Diethyl phthalate	159	10	ug/l	250	ND	64	0.1-120			M-02
Dimethyl phthalate	157	10	ug/l	250	ND	63	0.1-120			M-02
Di-n-butyl phthalate	199	10	ug/l	250	1.71	79	1-120			M-02
Di-n-octyl phthalate	202	10	ug/l	250	ND	81	4-146			M-02
Fluoranthene	185	10	ug/l	250	ND	74	26-137			M-02
Fluorene	161	10	ug/l	250	ND	64	59-121			M-02
Hexachlorobenzene	168	10	ug/l	250	ND	67	0.1-152			M-02
Hexachlorobutadiene	179	10	ug/l	250	ND	72	24-120			M-02
Hexachlorocyclopentadiene	124	50	ug/l	250	ND	50	10-120			M-02
Hexachloroethane	167	10	ug/l	250	ND	67	40-120			M-02
Indeno (1,2,3-cd) pyrene	133	10	ug/l	250	ND	53	0.1-171			M-02
Isophorone	171	10	ug/l	250	ND	69	21-196			M-02
Naphthalene	171	10	ug/l	250	ND	68	21-133			M-02
Nitrobenzene	172	10	ug/l	250	ND	69	35-180			M-02
N-Nitrosodimethylamine	111	10	ug/l	250	ND	44	18-120			M-02
N-Nitrosodi-n-propylamine	190	10	ug/l	250	ND	76	0.1-230			M-02
N-Nitrosodiphenylamine	85.4	10	ug/l	250	ND	34	49-120			MS-07, M-02
Pentachlorophenol	220	10	ug/l	250	ND	88	0.1-133			M-02
Phenanthrene	196	10	ug/l	250	ND	78	54-120			M-02
Phenol	94.3	10	ug/l	250	3.20	36	5-120			M-02
Pyrene	187	10	ug/l	250	ND	75	52-120			M-02
Surrogate(s)										
2,4,6-Tribromophenol	*357*		*ug/l*	*500*		*71*	*25-120*			*M-02*
2-Fluorobiphenyl	*170*		*ug/l*	*250*		*68*	*22-120*			*M-02*
2-Fluorophenol	*268*		*ug/l*	*500*		*54*	*17-120*			*M-02*
Nitrobenzene-d5	*171*		*ug/l*	*250*		*68*	*47-120*			*M-02*
Phenol-d5	*189*		*ug/l*	*500*		*38*	*12-120*			*M-02*
Terphenyl-d14	*215*		*ug/l*	*250*		*86*	*44-129*			*M-02*
Matrix Spike Dup (W0H1350-MSD1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
1,2,4-Trichlorobenzene	39.7	4.0	ug/l	50.0	ND	79	44-142	19	30	M-02, M-04
1,2-Dichlorobenzene	39.8	4.0	ug/l	50.0	ND	80	51-120	20	30	M-02, M-04
1,3-Dichlorobenzene	36.8	4.0	ug/l	50.0	ND	74	37-120	22	30	M-02, M-04
1,4-Dichlorobenzene	37.1	4.0	ug/l	50.0	ND	74	39-120	21	30	M-02, M-04
2,4,6-Trichlorophenol	40.5	4.0	ug/l	50.0	4.23	73	37-144	3	30	M-02, M-04
2,4-Dichlorophenol	41.0	4.0	ug/l	50.0	ND	82	39-135	14	30	M-02, M-04

Enthalpy Analytical - Orange
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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike Dup (W0H1350-MSD1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
2,4-Dimethylphenol	40.6	4.0	ug/l	50.0	ND	81	32-120	1	30	M-02, M-04
2,4-Dinitrophenol	6.60	20	ug/l	50.0	ND	13	0.1-191	49	30	M-02, M-04, R-02
2,4-Dinitrotoluene	ND	4.0	ug/l	50.0	ND		39-139		30	M-02, M-04, MS-07
2,6-Dinitrotoluene	47.4	4.0	ug/l	50.0	ND	95	50-158	6	30	M-02, M-04
2-Chloronaphthalene	33.3	4.0	ug/l	50.0	ND	67	60-120	11	30	M-02, M-04
2-Chlorophenol	41.5	4.0	ug/l	50.0	ND	83	23-134	19	30	M-02, M-04
2-Methyl-4,6-dinitrophenol	49.8	4.0	ug/l	50.0	ND	100	0.1-181	10	30	M-02, M-04
2-Nitrophenol	45.2	4.0	ug/l	50.0	ND	90	29-182	15	30	M-02, M-04
3,3'-Dichlorobenzidine	0.263	4.0	ug/l	50.0	ND	0.5	0.1-262	200	30	M-02, M-04, R-02
4-Bromophenyl phenyl ether	43.2	4.0	ug/l	50.0	ND	86	53-127	6	30	M-02, M-04
4-Chloro-3-methylphenol	42.3	4.0	ug/l	50.0	ND	85	22-147	8	30	M-02, M-04
4-Chlorophenyl phenyl ether	39.0	4.0	ug/l	50.0	ND	78	25-158	3	30	M-02, M-04
4-Nitrophenol	40.2	8.0	ug/l	50.0	64.3	NR	0.1-132	200	30	M-04, M-02
Acenaphthene	36.1	4.0	ug/l	50.0	ND	72	47-145	0.7	30	M-02, M-04
Acenaphthylene	39.3	4.0	ug/l	50.0	ND	79	33-145	3	30	M-02, M-04
Anthracene	38.3	4.0	ug/l	50.0	ND	77	27-133	9	30	M-02, M-04
Benzo (a) anthracene	36.4	4.0	ug/l	50.0	ND	73	33-143	13	30	M-02, M-04
Benzo (a) pyrene	26.1	4.0	ug/l	50.0	ND	52	17-163	19	30	M-02, M-04
Benzo (b) fluoranthene	29.1	4.0	ug/l	50.0	ND	58	24-159	20	30	M-02, M-04, AN-IP
Benzo (g,h,i) perylene	23.6	4.0	ug/l	50.0	ND	47	0.1-219	11	30	M-04, M-02
Benzo (k) fluoranthene	30.2	4.0	ug/l	50.0	ND	60	11-162	17	30	M-02, M-04, AN-IP
Bis(2-chloroethoxy)methane	33.5	4.0	ug/l	50.0	ND	67	33-184	3	30	M-02, M-04
Bis(2-chloroethyl)ether	37.6	4.0	ug/l	50.0	ND	75	12-158	19	30	M-02, M-04
Bis(2-chloroisopropyl)ether	39.7	4.0	ug/l	50.0	ND	79	36-166	17	30	M-02, M-04
Bis(2-ethylhexyl)phthalate	50.6	8.0	ug/l	50.0	12.1	77	8-158	15	30	M-02, M-04
Butyl benzyl phthalate	37.1	4.0	ug/l	50.0	ND	74	0.1-152	15	30	M-02, M-04
Chrysene	36.5	4.0	ug/l	50.0	ND	73	17-168	18	30	M-02, M-04
Dibenzo (a,h) anthracene	24.4	4.0	ug/l	50.0	ND	49	0.1-227	9	30	M-02, M-04
Diethyl phthalate	46.7	4.0	ug/l	50.0	5.72	82	0.1-120	10	30	M-02, M-04
Dimethyl phthalate	37.7	4.0	ug/l	50.0	ND	75	0.1-120	7	30	M-02, M-04
Di-n-butyl phthalate	113	4.0	ug/l	50.0	68.0	91	1-120	8	30	M-02, M-04
Di-n-octyl phthalate	40.8	4.0	ug/l	50.0	ND	82	4-146	14	30	M-02, M-04
Fluoranthene	38.6	4.0	ug/l	50.0	ND	77	26-137	11	30	M-02, M-04
Fluorene	42.2	4.0	ug/l	50.0	ND	84	59-121	3	30	M-02, M-04
Hexachlorobenzene	41.7	4.0	ug/l	50.0	ND	83	0.1-152	2	30	M-02, M-04

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike Dup (W0H1350-MSD1)	**Source: 0H19013-01**			**Prepared: 08/25/20**	**Analyzed: 09/14/20**					
Hexachlorobutadiene	39.6	4.0	ug/l	50.0	ND	79	24-120	18	30	M-02, M-04
Hexachlorocyclopentadiene	30.7	20	ug/l	50.0	ND	61	10-120	12	30	M-02, M-04
Hexachloroethane	38.7	4.0	ug/l	50.0	ND	77	40-120	24	30	M-02, M-04
Indeno (1,2,3-cd) pyrene	25.1	4.0	ug/l	50.0	ND	50	0.1-171	14	30	M-02, M-04
Isophorone	27.5	4.0	ug/l	50.0	ND	55	21-196	19	30	M-02, M-04
Naphthalene	38.1	4.0	ug/l	50.0	ND	76	21-133	16	30	M-02, M-04
Nitrobenzene	39.5	4.0	ug/l	50.0	ND	79	35-180	14	30	M-02, M-04
N-Nitrosodimethylamine	22.3	4.0	ug/l	50.0	ND	45	18-120	38	30	M-02, M-04, R-02
N-Nitrosodi-n-propylamine	44.8	4.0	ug/l	50.0	ND	90	0.1-230	22	30	M-02, M-04
N-Nitrosodiphenylamine	25.9	4.0	ug/l	50.0	ND	52	49-120	15	30	M-02, M-04
Pentachlorophenol	53.6	4.0	ug/l	50.0	ND	107	0.1-133	13	30	M-04, M-02
Phenanthrene	39.1	4.0	ug/l	50.0	ND	78	54-120	11	30	M-02, M-04
Phenol	21.1	4.0	ug/l	50.0	1.99	38	5-120	12	30	M-02, M-04
Pyrene	38.8	4.0	ug/l	50.0	ND	78	52-120	12	30	M-02, M-04
Surrogate(s)										
2,4,6-Tribromophenol	*96.7*		*ug/l*	*100*		*97*	*25-120*			*M-02, M-04*
2-Fluorobiphenyl	*31.7*		*ug/l*	*50.0*		*63*	*22-120*			*M-02, M-04*
2-Fluorophenol	*58.4*		*ug/l*	*100*		*58*	*17-120*			*M-02, M-04*
Nitrobenzene-d5	*38.7*		*ug/l*	*50.0*		*77*	*47-120*			*M-02, M-04*
Phenol-d5	*40.7*		*ug/l*	*100*		*41*	*12-120*			*M-02, M-04*
Terphenyl-d14	*43.8*		*ug/l*	*50.0*		*88*	*44-129*			*M-02, M-04*
Matrix Spike Dup (W0H1350-MSD2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
1,2,4-Trichlorobenzene	178	10	ug/l	250	ND	71	44-142	3	30	M-02
1,2-Dichlorobenzene	162	10	ug/l	250	ND	65	51-120	0.4	30	M-02
1,3-Dichlorobenzene	158	10	ug/l	250	ND	63	37-120	0.7	30	M-02
1,4-Dichlorobenzene	159	10	ug/l	250	ND	63	39-120	0.2	30	M-02
2,4,6-Trichlorophenol	188	10	ug/l	250	15.4	69	37-144	2	30	M-02
2,4-Dichlorophenol	238	10	ug/l	250	ND	95	39-135	6	30	M-02
2,4-Dimethylphenol	246	10	ug/l	250	ND	98	32-120	5	30	M-02
2,4-Dinitrophenol	289	50	ug/l	250	ND	116	0.1-191	2	30	M-02
2,4-Dinitrotoluene	165	10	ug/l	250	19.1	58	39-139	0.06	30	M-02
2,6-Dinitrotoluene	161	10	ug/l	250	ND	64	50-158	3	30	M-02
2-Chloronaphthalene	182	10	ug/l	250	ND	73	60-120	3	30	M-02
2-Chlorophenol	199	10	ug/l	250	ND	79	23-134	7	30	M-02
2-Methyl-4,6-dinitrophenol	205	10	ug/l	250	ND	82	0.1-181	0.1	30	M-02
2-Nitrophenol	209	10	ug/l	250	ND	83	29-182	4	30	M-02
3,3'-Dichlorobenzidine	69.7	10	ug/l	250	ND	28	0.1-262	0.9	30	M-02
4-Bromophenyl phenyl ether	168	10	ug/l	250	ND	67	53-127	2	30	M-02
4-Chloro-3-methylphenol	181	10	ug/l	250	ND	72	22-147	0.01	30	M-02

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike Dup (W0H1350-MSD2)	**Source: 0H19013-02**			**Prepared: 08/25/20**	**Analyzed: 09/15/20**					
4-Chlorophenyl phenyl ether	148	10	ug/l	250	ND	59	25-158	1	30	M-02
4-Nitrophenol	87.1	20	ug/l	250	31.3	22	0.1-132	0.4	30	M-02
Acenaphthene	161	10	ug/l	250	ND	64	47-145	0.3	30	M-02
Acenaphthylene	197	10	ug/l	250	ND	79	33-145	1	30	M-02
Anthracene	192	10	ug/l	250	ND	77	27-133	4	30	M-02
Benzo (a) anthracene	163	10	ug/l	250	ND	65	33-143	0.2	30	M-02
Benzo (a) pyrene	130	10	ug/l	250	ND	52	17-163	4	30	M-02
Benzo (b) fluoranthene	156	10	ug/l	250	ND	62	24-159	7	30	M-02, AN-IP
Benzo (g,h,i) perylene	130	10	ug/l	250	ND	52	0.1-219	6	30	M-02
Benzo (k) fluoranthene	142	10	ug/l	250	ND	57	11-162	0.7	30	M-02, AN-IP
Bis(2-chloroethoxy)methane	195	10	ug/l	250	ND	78	33-184	5	30	M-02
Bis(2-chloroethyl)ether	169	10	ug/l	250	ND	68	12-158	3	30	M-02
Bis(2-chloroisopropyl)ether	177	10	ug/l	250	ND	71	36-166	3	30	M-02
Bis(2-ethylhexyl)phthalate	214	20	ug/l	250	39.5	70	8-158	5	30	M-02
Butyl benzyl phthalate	177	10	ug/l	250	ND	71	0.1-152	2	30	M-02
Chrysene	191	10	ug/l	250	ND	76	17-168	6	30	M-02
Dibenzo (a,h) anthracene	132	10	ug/l	250	ND	53	0.1-227	5	30	M-02
Diethyl phthalate	158	10	ug/l	250	ND	63	0.1-120	0.3	30	M-02
Dimethyl phthalate	152	10	ug/l	250	ND	61	0.1-120	3	30	M-02
Di-n-butyl phthalate	203	10	ug/l	250	1.71	81	1-120	2	30	M-02
Di-n-octyl phthalate	202	10	ug/l	250	ND	81	4-146	0.1	30	M-02
Fluoranthene	192	10	ug/l	250	ND	77	26-137	3	30	M-02
Fluorene	156	10	ug/l	250	ND	63	59-121	3	30	M-02
Hexachlorobenzene	165	10	ug/l	250	ND	66	0.1-152	2	30	M-02
Hexachlorobutadiene	183	10	ug/l	250	ND	73	24-120	2	30	M-02
Hexachlorocyclopentadiene	131	50	ug/l	250	ND	52	10-120	5	30	M-02
Hexachloroethane	167	10	ug/l	250	ND	67	40-120	0.4	30	M-02
Indeno (1,2,3-cd) pyrene	139	10	ug/l	250	ND	56	0.1-171	5	30	M-02
Isophorone	182	10	ug/l	250	ND	73	21-196	6	30	M-02
Naphthalene	173	10	ug/l	250	ND	69	21-133	1	30	M-02
Nitrobenzene	179	10	ug/l	250	ND	72	35-180	4	30	M-02
N-Nitrosodimethylamine	114	10	ug/l	250	ND	46	18-120	3	30	M-02
N-Nitrosodi-n-propylamine	197	10	ug/l	250	ND	79	0.1-230	4	30	M-02
N-Nitrosodiphenylamine	84.9	10	ug/l	250	ND	34	49-120	0.5	30	M-02, MS-07
Pentachlorophenol	225	10	ug/l	250	ND	90	0.1-133	3	30	M-02
Phenanthrene	201	10	ug/l	250	ND	81	54-120	3	30	M-02
Phenol	105	10	ug/l	250	3.20	41	5-120	11	30	M-02
Pyrene	191	10	ug/l	250	ND	77	52-120	2	30	M-02

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1350 - EPA 625.1 (Continued)										
Matrix Spike Dup (W0H1350-MSD2)	**Source: 0H19013-02**			**Prepared: 08/25/20 Analyzed: 09/15/20**						
Surrogate(s)										
2,4,6-Tribromophenol	*361*		*ug/l*	*500*		*72*	*25-120*			*M-02*
2-Fluorobiphenyl	*178*		*ug/l*	*250*		*71*	*22-120*			*M-02*
2-Fluorophenol	*292*		*ug/l*	*500*		*58*	*17-120*			*M-02*
Nitrobenzene-d5	*179*		*ug/l*	*250*		*71*	*47-120*			*M-02*
Phenol-d5	*213*		*ug/l*	*500*		*43*	*12-120*			*M-02*
Terphenyl-d14	*226*		*ug/l*	*250*		*90*	*44-129*			*M-02*

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Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1446 - EPA 300.1										
Blank (W0H1446-BLK1)				**Prepared & Analyzed: 08/26/20**						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
Surrogate(s)										
Dichloroacetate	*513*		*ug/l*	*500*		*103*	*90-115*			
Dichloroacetate	*513*		*ug/l*	*500*		*103*	*90-115*			
LCS (W0H1446-BS1)				**Prepared & Analyzed: 08/26/20**						
Bromate	97.8	5.0	ug/l	100		98	85-115			
Chlorite	98.4	10	ug/l	100		98	85-115			
Surrogate(s)										
Dichloroacetate	*569*		*ug/l*	*500*		*114*	*90-115*			
Dichloroacetate	*569*		*ug/l*	*500*		*114*	*90-115*			
Matrix Spike (W0H1446-MS1)	**Source: 0H14013-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	95.8	5.0	ug/l	100	ND	96	64-133			
Chlorite	96.0	10	ug/l	100	ND	96	78-129			
Surrogate(s)										
Dichloroacetate	*546*		*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*546*		*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W0H1446-MS2)	**Source: 0H25036-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	121	5.0	ug/l	100	ND	121	64-133			
Chlorite	102	10	ug/l	100	ND	102	78-129			
Surrogate(s)										
Dichloroacetate	*525*		*ug/l*	*500*		*105*	*90-115*			
Dichloroacetate	*525*		*ug/l*	*500*		*105*	*90-115*			
Matrix Spike Dup (W0H1446-MSD1)	**Source: 0H14013-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	100	5.0	ug/l	100	ND	100	64-133	5	20	
Chlorite	93.4	10	ug/l	100	ND	93	78-129	3	20	
Surrogate(s)										
Dichloroacetate	*538*		*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*		*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W0H1446-MSD2)	**Source: 0H25036-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	100	5.0	ug/l	100	ND	100	64-133	18	20	
Chlorite	95.4	10	ug/l	100	ND	95	78-129	7	20	
Surrogate(s)										
Dichloroacetate	*561*		*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*561*		*ug/l*	*500*		*112*	*90-115*			

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Quality Control Results

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Carbamates and Urea Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0178 - EPA 531.2										
Blank (W0I0178-BLK1)				**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	ND	2.0	ug/l							
Aldicarb	ND	2.0	ug/l							
Aldicarb sulfone	ND	2.0	ug/l							
Aldicarb sulfoxide	ND	2.0	ug/l							
Carbaryl	ND	2.0	ug/l							
Carbofuran	ND	2.0	ug/l							
Methiocarb	ND	2.0	ug/l							
Methomyl	ND	2.0	ug/l							
Oxamyl	ND	2.0	ug/l							
Propoxur (Baygon)	ND	2.0	ug/l							
Surrogate(s)										
BDMC	*8.65*		*ug/l*	*10.0*		*87*	*70-130*			
LCS (W0I0178-BS1)				**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	10.8	2.0	ug/l	10.0		108	70-130			
Aldicarb	9.56	2.0	ug/l	10.0		96	70-130			
Aldicarb sulfone	12.3	2.0	ug/l	10.0		123	70-130			
Aldicarb sulfoxide	11.1	2.0	ug/l	10.0		111	70-130			
Carbaryl	10.6	2.0	ug/l	10.0		106	70-130			
Carbofuran	12.4	2.0	ug/l	10.0		124	70-130			
Methiocarb	11.4	2.0	ug/l	10.0		114	70-130			
Methomyl	12.6	2.0	ug/l	10.0		126	70-130			
Oxamyl	11.9	2.0	ug/l	10.0		119	70-130			
Propoxur (Baygon)	12.5	2.0	ug/l	10.0		125	70-130			
Surrogate(s)										
BDMC	*10.7*		*ug/l*	*10.0*		*107*	*70-130*			
Matrix Spike (W0I0178-MS1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	11.6	2.0	ug/l	10.0	ND	116	70-130			
Aldicarb	10.4	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfone	11.6	2.0	ug/l	10.0	ND	116	70-130			
Aldicarb sulfoxide	12.0	2.0	ug/l	10.0	ND	120	70-130			
Carbaryl	10.5	2.0	ug/l	10.0	ND	105	70-130			
Carbofuran	11.1	2.0	ug/l	10.0	ND	111	70-130			
Methiocarb	11.2	2.0	ug/l	10.0	ND	112	70-130			
Methomyl	11.5	2.0	ug/l	10.0	ND	115	70-130			
Oxamyl	10.7	2.0	ug/l	10.0	ND	107	70-130			
Propoxur (Baygon)	11.2	2.0	ug/l	10.0	ND	112	70-130			
Surrogate(s)										
BDMC	*10.4*		*ug/l*	*10.0*		*104*	*70-130*			
Matrix Spike Dup (W0I0178-MSD1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	11.0	2.0	ug/l	10.0	ND	110	70-130	5	30	

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Quality Control Results

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Carbamates and Urea Pesticides (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0178 - EPA 531.2 (Continued)										
Matrix Spike Dup (W0I0178-MSD1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
Aldicarb	11.1	2.0	ug/l	10.0	ND	111	70-130	6	30	
Aldicarb sulfone	10.7	2.0	ug/l	10.0	ND	107	70-130	8	30	
Aldicarb sulfoxide	11.3	2.0	ug/l	10.0	ND	113	70-130	6	30	
Carbaryl	10.4	2.0	ug/l	10.0	ND	104	70-130	0.6	30	
Carbofuran	11.2	2.0	ug/l	10.0	ND	112	70-130	0.9	30	
Methiocarb	11.5	2.0	ug/l	10.0	ND	115	70-130	3	30	
Methomyl	11.5	2.0	ug/l	10.0	ND	115	70-130	0.1	30	
Oxamyl	13.0	2.0	ug/l	10.0	ND	130	70-130	19	30	
Propoxur (Baygon)	12.2	2.0	ug/l	10.0	ND	122	70-130	9	30	
Surrogate(s)										
BDMC	*10.2*		*ug/l*	*10.0*		*102*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0008 - EPA 515.4										
Blank (W0I0008-BLK1)				**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	ug/l							
2,4-D	ND	0.40	ug/l							
2,4-DB	ND	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	1.0	ug/l							
Acifluorfen	ND	0.40	ug/l							
Bentazon	ND	2.0	ug/l							
Dalapon	ND	0.40	ug/l							
DCPA	ND	0.10	ug/l							
Dicamba	ND	0.60	ug/l							
Dichloroprop	ND	0.30	ug/l							
Dinoseb	ND	0.40	ug/l							
Pentachlorophenol	ND	0.20	ug/l							
Picloram	ND	0.60	ug/l							
Surrogate(s)										
2,4-DCAA	*11.1*		*ug/l*	*10.0*		*111*	*70-130*			
LCS (W0I0008-BS1)				**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	4.22	0.20	ug/l	4.00		106	70-130			
2,4,5-TP (Silvex)	4.19	0.20	ug/l	4.00		105	70-130			
2,4-D	8.75	0.40	ug/l	8.00		109	70-130			
2,4-DB	19.4	2.0	ug/l	16.0		121	70-130			
3,5-Dichlorobenzoic acid	8.55	1.0	ug/l	8.00		107	70-130			
Acifluorfen	4.33	0.40	ug/l	4.00		108	70-130			
Bentazon	16.5	2.0	ug/l	16.0		103	70-130			
Dalapon	9.60	0.40	ug/l	8.00		120	70-130			
DCPA	4.70	0.10	ug/l	4.00		118	70-130			
Dicamba	8.29	0.60	ug/l	8.00		104	70-130			
Dichloroprop	8.60	0.30	ug/l	8.00		107	70-130			
Dinoseb	4.15	0.40	ug/l	4.00		104	70-130			
Pentachlorophenol	4.78	0.20	ug/l	4.00		120	70-130			
Picloram	4.71	0.60	ug/l	4.00		118	70-130			
Surrogate(s)										
2,4-DCAA	*12.1*		*ug/l*	*10.0*		*121*	*70-130*			
Matrix Spike (W0I0008-MS1)	**Source: 0H25012-01**			**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	4.23	0.20	ug/l	4.00	ND	106	70-130			
2,4,5-TP (Silvex)	4.29	0.20	ug/l	4.00	ND	107	70-130			
2,4-D	8.65	0.40	ug/l	8.00	ND	108	70-130			
2,4-DB	23.0	2.0	ug/l	16.0	ND	144	70-130			MS-07
3,5-Dichlorobenzoic acid	8.78	1.0	ug/l	8.00	ND	110	70-130			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0008 - EPA 515.4 (Continued)										
Matrix Spike (W0I0008-MS1)	**Source: 0H25012-01**			**Prepared: 09/01/20**	**Analyzed: 09/02/20**					
Acifluorfen	4.31	0.40	ug/l	4.00	ND	108	70-130			
Bentazon	16.5	2.0	ug/l	16.0	ND	103	70-130			
Dalapon	8.80	0.40	ug/l	8.00	ND	110	70-130			
DCPA	4.59	0.10	ug/l	4.00	ND	115	70-130			
Dicamba	8.34	0.60	ug/l	8.00	ND	104	70-130			
Dichloroprop	8.70	0.30	ug/l	8.00	ND	109	70-130			
Dinoseb	4.08	0.40	ug/l	4.00	ND	102	70-130			
Pentachlorophenol	4.76	0.20	ug/l	4.00	ND	119	70-130			
Picloram	4.62	0.60	ug/l	4.00	ND	116	70-130			
Surrogate(s)										
2,4-DCAA	*12.3*		*ug/l*	*10.0*		*123*	*70-130*			
Matrix Spike Dup (W0I0008-MSD1)	**Source: 0H25012-01**			**Prepared: 09/01/20**	**Analyzed: 09/02/20**					
2,4,5-T	4.18	0.20	ug/l	4.00	ND	104	70-130	1	30	
2,4,5-TP (Silvex)	4.22	0.20	ug/l	4.00	ND	106	70-130	1	30	
2,4-D	8.59	0.40	ug/l	8.00	ND	107	70-130	0.8	30	
2,4-DB	23.1	2.0	ug/l	16.0	ND	144	70-130	0.4	30	MS-07
3,5-Dichlorobenzoic acid	8.73	1.0	ug/l	8.00	ND	109	70-130	0.6	30	
Acifluorfen	4.19	0.40	ug/l	4.00	ND	105	70-130	3	30	
Bentazon	16.4	2.0	ug/l	16.0	ND	103	70-130	0.2	30	
Dalapon	8.87	0.40	ug/l	8.00	ND	111	70-130	0.8	30	
DCPA	4.55	0.10	ug/l	4.00	ND	114	70-130	1	30	
Dicamba	8.25	0.60	ug/l	8.00	ND	103	70-130	1	30	
Dichloroprop	8.61	0.30	ug/l	8.00	ND	108	70-130	1	30	
Dinoseb	3.98	0.40	ug/l	4.00	ND	100	70-130	2	30	
Pentachlorophenol	4.72	0.20	ug/l	4.00	ND	118	70-130	0.9	30	
Picloram	4.57	0.60	ug/l	4.00	ND	114	70-130	1	30	
Surrogate(s)										
2,4-DCAA	*12.3*		*ug/l*	*10.0*		*123*	*70-130*			

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Project Number: EO-432391

Project Manager: Ranjit Clarke

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09/22/2020 09:25

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1227 - EPA 508										
Blank (W0H1227-BLK1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
4,4´-DDD	ND	0.010	ug/l							
4,4´-DDE	ND	0.010	ug/l							
4,4´-DDT	ND	0.010	ug/l							
Aldrin	ND	0.010	ug/l							
alpha-BHC	ND	0.010	ug/l							
Aroclor 1016	ND	0.10	ug/l							
Aroclor 1221	ND	0.10	ug/l							
Aroclor 1232	ND	0.10	ug/l							
Aroclor 1242	ND	0.10	ug/l							
Aroclor 1248	ND	0.10	ug/l							
Aroclor 1254	ND	0.10	ug/l							
Aroclor 1260	ND	0.10	ug/l							
beta-BHC	ND	0.010	ug/l							
Chlordane (tech)	ND	0.10	ug/l							
Chlorothalonil	ND	0.050	ug/l							
delta-BHC	ND	0.010	ug/l							
Dieldrin	ND	0.010	ug/l							
Endosulfan I	ND	0.010	ug/l							
Endosulfan II	ND	0.010	ug/l							
Endosulfan sulfate	ND	0.010	ug/l							
Endrin	ND	0.010	ug/l							
Endrin aldehyde	ND	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.010	ug/l							
Heptachlor	ND	0.010	ug/l							
Heptachlor epoxide	ND	0.010	ug/l							
Hexachlorobenzene	ND	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.050	ug/l							
Methoxychlor	ND	0.010	ug/l							
PCBs, Total	ND	0.50	ug/l							
Propachlor	ND	0.050	ug/l							
Toxaphene	ND	0.50	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
Decachlorobiphenyl	*0.0882*		*ug/l*	*0.100*		*88*	*70-130*			
Tetrachloro-meta-xylene	*0.0713*		*ug/l*	*0.100*		*71*	*70-130*			
LCS (W0H1227-BS1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
4,4´-DDD	0.0862	0.010	ug/l	0.100		86	77-137			
4,4´-DDE	0.0898	0.010	ug/l	0.100		90	69-129			
4,4´-DDT	0.102	0.010	ug/l	0.100		102	82-142			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1227 - EPA 508 (Continued)										
LCS (W0H1227-BS1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
Aldrin	0.0791	0.010	ug/l	0.100		79	56-116			
alpha-BHC	0.0848	0.010	ug/l	0.100		85	62-122			
beta-BHC	0.0924	0.010	ug/l	0.100		92	65-125			
delta-BHC	0.101	0.010	ug/l	0.100		101	72-132			
Dieldrin	0.0860	0.010	ug/l	0.100		86	57-117			
Endosulfan I	0.0728	0.010	ug/l	0.100		73	57-117			
Endosulfan II	0.0840	0.010	ug/l	0.100		84	62-122			
Endosulfan sulfate	0.0978	0.010	ug/l	0.100		98	72-132			
Endrin	0.0949	0.010	ug/l	0.100		95	58-118			
Endrin aldehyde	0.103	0.010	ug/l	0.100		103	58-118			
gamma-BHC (Lindane)	0.0867	0.010	ug/l	0.100		87	59-119			
Heptachlor	0.0874	0.010	ug/l	0.100		87	68-128			
Heptachlor epoxide	0.0866	0.010	ug/l	0.100		87	57-117			
Methoxychlor	0.0991	0.010	ug/l	0.100		99	75-135			
Surrogate(s)										
Decachlorobiphenyl	*0.0963*		*ug/l*	*0.100*		*96*	*70-130*			
Tetrachloro-meta-xylene	*0.0759*		*ug/l*	*0.100*		*76*	*70-130*			
LCS Dup (W0H1227-BSD1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
4,4´-DDD	0.0913	0.010	ug/l	0.100		91	77-137	6	20	
4,4´-DDE	0.0925	0.010	ug/l	0.100		92	69-129	3	20	
4,4´-DDT	0.109	0.010	ug/l	0.100		109	82-142	6	20	
Aldrin	0.0778	0.010	ug/l	0.100		78	56-116	2	20	
alpha-BHC	0.0906	0.010	ug/l	0.100		91	62-122	7	20	
beta-BHC	0.0990	0.010	ug/l	0.100		99	65-125	7	20	
delta-BHC	0.107	0.010	ug/l	0.100		107	72-132	6	20	
Dieldrin	0.0915	0.010	ug/l	0.100		92	57-117	6	20	
Endosulfan I	0.0773	0.010	ug/l	0.100		77	57-117	6	20	
Endosulfan II	0.0894	0.010	ug/l	0.100		89	62-122	6	20	
Endosulfan sulfate	0.103	0.010	ug/l	0.100		103	72-132	5	20	
Endrin	0.100	0.010	ug/l	0.100		100	58-118	6	20	
Endrin aldehyde	0.102	0.010	ug/l	0.100		102	58-118	1	20	
gamma-BHC (Lindane)	0.0925	0.010	ug/l	0.100		93	59-119	7	20	
Heptachlor	0.0853	0.010	ug/l	0.100		85	68-128	2	20	
Heptachlor epoxide	0.0903	0.010	ug/l	0.100		90	57-117	4	20	
Methoxychlor	0.107	0.010	ug/l	0.100		107	75-135	8	20	
Surrogate(s)										
Decachlorobiphenyl	*0.0970*		*ug/l*	*0.100*		*97*	*70-130*			
Tetrachloro-meta-xylene	*0.0763*		*ug/l*	*0.100*		*76*	*70-130*			

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Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1195 - EPA 549.2										
Blank (W0H1195-BLK1)				**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	ND	4.0	ug/l							
Paraquat	ND	4.0	ug/l							
LCS (W0H1195-BS1)				**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	17.3	4.0	ug/l	20.0		86	70-130			
Paraquat	15.9	4.0	ug/l	20.0		80	70-130			
Matrix Spike (W0H1195-MS1)	**Source: 0G21010-02**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	15.2	4.0	ug/l	20.0	ND	76	46-122			
Paraquat	17.2	4.0	ug/l	20.0	ND	86	38-129			
Matrix Spike (W0H1195-MS2)	**Source: 0G21010-01**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.5	4.0	ug/l	20.0	ND	68	46-122			
Paraquat	16.8	4.0	ug/l	20.0	ND	84	38-129			
Matrix Spike Dup (W0H1195-MSD1)	**Source: 0G21010-02**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.5	4.0	ug/l	20.0	ND	68	46-122	12	30	
Paraquat	15.5	4.0	ug/l	20.0	ND	78	38-129	11	30	
Matrix Spike Dup (W0H1195-MSD2)	**Source: 0G21010-01**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.9	4.0	ug/l	20.0	ND	70	46-122	3	30	
Paraquat	17.2	4.0	ug/l	20.0	ND	86	38-129	2	30	

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1346 - EPA 548.1										
Blank (W0H1346-BLK1)				**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	ND	40	ug/l							
LCS (W0H1346-BS1)				**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	73.7	40	ug/l	100		74	31-117			
Matrix Spike (W0H1346-MS1)	**Source: 0H20013-05**			**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	19.2	80	ug/l	200	ND	10	0.1-109			
Matrix Spike Dup (W0H1346-MSD1)	**Source: 0H20013-05**			**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	18.0	80	ug/l	200	ND	9	0.1-109	7	30	

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Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1697 - EPA 547										
Blank (W0H1697-BLK1)				**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	ND	5.0	ug/l							
LCS (W0H1697-BS1)				**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	22.1	5.0	ug/l	25.0		88	70-130			
Matrix Spike (W0H1697-MS1)	**Source: 0H17059-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	21.3	5.0	ug/l	25.0	ND	85	41-149			
Matrix Spike (W0H1697-MS2)	**Source: 0H24043-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	23.0	5.0	ug/l	25.0	ND	92	41-149			
Matrix Spike Dup (W0H1697-MSD1)	**Source: 0H17059-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	21.8	5.0	ug/l	25.0	ND	87	41-149	2	30	
Matrix Spike Dup (W0H1697-MSD2)	**Source: 0H24043-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	22.8	5.0	ug/l	25.0	ND	91	41-149	0.6	30	

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1510 - EPA 552.3										
Blank (W0H1510-BLK1)				**Prepared: 08/27/20**	**Analyzed: 08/28/20**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
HAA5, Total	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2-Bromobutyric acid	*9.76*		*ug/l*	*10.0*		*98*	*70-130*			
LCS (W0H1510-BS1)				**Prepared: 08/27/20**	**Analyzed: 08/28/20**					
Dibromoacetic acid (dbaa)	9.81	1.0	ug/l	10.0		98	70-130			
Dichloroacetic acid (dcaa)	9.56	1.0	ug/l	10.0		96	70-130			
Monobromoacetic acid (mbaa)	9.60	1.0	ug/l	10.0		96	70-130			
Monochloroacetic acid (mcaa)	10.2	2.0	ug/l	10.0		102	70-130			
Trichloroacetic acid (tcaa)	9.92	1.0	ug/l	10.0		99	70-130			
Surrogate(s)										
2-Bromobutyric acid	*9.97*		*ug/l*	*10.0*		*100*	*70-130*			
Matrix Spike (W0H1510-MS1)	**Source: 0G21009-01**			**Prepared: 08/27/20**	**Analyzed: 08/29/20**					
Dibromoacetic acid (dbaa)	10.0	1.0	ug/l	10.0	ND	100	70-130			
Dichloroacetic acid (dcaa)	9.78	1.0	ug/l	10.0	ND	98	70-130			
Monobromoacetic acid (mbaa)	9.51	1.0	ug/l	10.0	ND	95	70-130			
Monochloroacetic acid (mcaa)	9.14	2.0	ug/l	10.0	ND	91	70-130			
Trichloroacetic acid (tcaa)	10.1	1.0	ug/l	10.0	ND	101	70-130			
Surrogate(s)										
2-Bromobutyric acid	*9.68*		*ug/l*	*10.0*		*97*	*70-130*			
Matrix Spike Dup (W0H1510-MSD1)	**Source: 0G21009-01**			**Prepared: 08/27/20**	**Analyzed: 08/29/20**					
Dibromoacetic acid (dbaa)	10.1	1.0	ug/l	10.0	ND	101	70-130	0.3	30	
Dichloroacetic acid (dcaa)	9.69	1.0	ug/l	10.0	ND	97	70-130	1	30	
Monobromoacetic acid (mbaa)	8.58	1.0	ug/l	10.0	ND	86	70-130	10	30	
Monochloroacetic acid (mcaa)	9.27	2.0	ug/l	10.0	ND	93	70-130	1	30	
Trichloroacetic acid (tcaa)	10.4	1.0	ug/l	10.0	ND	104	70-130	3	30	
Surrogate(s)										
2-Bromobutyric acid	*9.73*		*ug/l*	*10.0*		*97*	*70-130*			

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Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0002 - EPA 218.6										
Blank (W0I0002-BLK1)				**Prepared & Analyzed: 09/01/20**						
Chromium 6+	ND	0.020	ug/l							
LCS (W0I0002-BS1)				**Prepared & Analyzed: 09/01/20**						
Chromium 6+	4.70	0.020	ug/l	5.00		94	90-110			
Matrix Spike (W0I0002-MS1)	**Source: 0H18001-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	12.2	0.020	ug/l	5.00	7.37	96	88-112			
Matrix Spike (W0I0002-MS2)	**Source: 0H19008-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	8.70	0.020	ug/l	5.00	3.90	96	88-112			
Matrix Spike Dup (W0I0002-MSD1)	**Source: 0H18001-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	12.2	0.020	ug/l	5.00	7.37	97	88-112	0.5	10	
Matrix Spike Dup (W0I0002-MSD2)	**Source: 0H19008-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	8.76	0.020	ug/l	5.00	3.90	97	88-112	0.6	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1369 - EPA 1625M										
Blank (W0H1369-BLK1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	ND	2.0	ng/l							
LCS (W0H1369-BS1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	2.62	2.0	ng/l	2.00		131	50-150			
LCS Dup (W0H1369-BSD1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	2.01	2.0	ng/l	2.00		100	50-150	26	50	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1512 - EPA 525.2										
Blank (W0H1512-BLK1)				**Prepared: 08/27/20 Analyzed: 09/01/20**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.85*		*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*3.94*		*ug/l*	*5.00*		*79*	*50-120*			
Triphenyl phosphate	*3.94*		*ug/l*	*5.00*		*79*	*70-130*			
LCS (W0H1512-BS1)				**Prepared: 08/27/20 Analyzed: 09/01/20**						
Alachlor	4.60	0.10	ug/l	5.00		92	70-130			
Atrazine	5.43	0.10	ug/l	5.00		109	70-130			
Benzo (a) pyrene	4.09	0.10	ug/l	5.00		82	60-130			
Bis(2-ethylhexyl)adipate	4.29	2.0	ug/l	5.00		86	70-130			
Bis(2-ethylhexyl)phthalate	4.51	2.0	ug/l	5.00		90	70-130			
Bromacil	4.19	0.50	ug/l	5.00		84	70-130			
Butachlor	4.69	0.10	ug/l	5.00		94	70-130			
Captan	3.23	1.0	ug/l	5.00		65	70-130			Q-ME
Chlorpropham	4.78	0.10	ug/l	5.00		96	70-130			
Cyanazine	5.30	0.10	ug/l	5.00		106	70-130			

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931 West Barkley Avenue
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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:25

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1512 - EPA 525.2 (Continued)										
LCS (W0H1512-BS1)				**Prepared: 08/27/20 Analyzed: 09/01/20**						
Diazinon	3.81	0.10	ug/l	5.00		76	50-120			
Dimethoate	3.41	0.20	ug/l	5.00		68	50-120			
Diphenamid	5.47	0.10	ug/l	5.00		109	70-130			
Disulfoton	4.57	0.10	ug/l	5.00		91	50-120			
EPTC	5.57	0.10	ug/l	5.00		111	70-130			
Metolachlor	5.03	0.10	ug/l	5.00		101	60-130			
Metribuzin	3.71	0.10	ug/l	5.00		74	50-120			
Molinate	5.13	0.10	ug/l	5.00		103	70-130			
Prometon	2.01	0.10	ug/l	5.00		40	15-120			
Prometryn	3.56	0.10	ug/l	5.00		71	30-120			
Simazine	4.87	0.10	ug/l	5.00		97	60-130			
Terbacil	5.31	2.0	ug/l	5.00		106	70-130			
Thiobencarb	5.46	0.10	ug/l	5.00		109	70-130			
Trithion	4.25	0.10	ug/l	5.00		85	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.64*		*ug/l*	*5.00*		*93*	*70-130*			
Perylene-d12	*4.48*		*ug/l*	*5.00*		*90*	*50-120*			
Triphenyl phosphate	*4.47*		*ug/l*	*5.00*		*89*	*70-130*			
LCS Dup (W0H1512-BSD1)				**Prepared: 08/27/20 Analyzed: 09/01/20**						
Alachlor	5.11	0.10	ug/l	5.00		102	70-130	10	30	
Atrazine	5.78	0.10	ug/l	5.00		116	70-130	6	30	
Benzo (a) pyrene	4.29	0.10	ug/l	5.00		86	60-130	5	30	
Bis(2-ethylhexyl)adipate	4.53	2.0	ug/l	5.00		91	70-130	5	30	
Bis(2-ethylhexyl)phthalate	4.67	2.0	ug/l	5.00		93	70-130	4	30	
Bromacil	4.44	0.50	ug/l	5.00		89	70-130	6	30	
Butachlor	4.86	0.10	ug/l	5.00		97	70-130	3	30	
Captan	3.52	1.0	ug/l	5.00		70	70-130	8	30	
Chlorpropham	5.27	0.10	ug/l	5.00		105	70-130	10	30	
Cyanazine	5.51	0.10	ug/l	5.00		110	70-130	4	30	
Diazinon	4.13	0.10	ug/l	5.00		83	50-120	8	30	
Dimethoate	3.94	0.20	ug/l	5.00		79	50-120	15	30	
Diphenamid	5.92	0.10	ug/l	5.00		118	70-130	8	30	
Disulfoton	4.88	0.10	ug/l	5.00		98	50-120	6	30	
EPTC	5.96	0.10	ug/l	5.00		119	70-130	7	30	
Metolachlor	5.41	0.10	ug/l	5.00		108	60-130	7	30	
Metribuzin	4.36	0.10	ug/l	5.00		87	50-120	16	30	
Molinate	5.52	0.10	ug/l	5.00		110	70-130	7	30	
Prometon	2.29	0.10	ug/l	5.00		46	15-120	13	30	
Prometryn	3.88	0.10	ug/l	5.00		78	30-120	9	30	

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Project Number: EO-432391

Project Manager: Ranjit Clarke

Reported:
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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1512 - EPA 525.2 (Continued)										
LCS Dup (W0H1512-BSD1)				**Prepared: 08/27/20 Analyzed: 09/01/20**						
Simazine	5.21	0.10	ug/l	5.00		104	60-130	7	30	
Terbacil	5.60	2.0	ug/l	5.00		112	70-130	5	30	
Thiobencarb	5.65	0.10	ug/l	5.00		113	70-130	3	30	
Trithion	4.80	0.10	ug/l	5.00		96	70-130	12	30	
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.89*		*ug/l*	*5.00*		*98*	*70-130*			
Perylene-d12	*4.44*		*ug/l*	*5.00*		*89*	*50-120*			
Triphenyl phosphate	*4.62*		*ug/l*	*5.00*		*92*	*70-130*			
Batch: W0I0009 - EPA 525.2										
Blank (W0I0009-BLK1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	0.000295		ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND		ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.82*		*ug/l*	*5.00*		*96*	*70-130*			
Perylene-d12	*3.70*		*ug/l*	*5.00*		*74*	*50-120*			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
Blank (W0I0009-BLK1)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Surrogate(s)										
Triphenyl phosphate	*4.69*		*ug/l*	*5.00*		*94*	*70-130*			
Blank (W0I0009-BLK2)				**Prepared: 09/01/20**	**Analyzed: 09/08/20**					
Atrazine	ND	0.10	ug/l							QC-2
Molinate	ND	0.10	ug/l							QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.00*		*97*	*70-130*			QC-2
Perylene-d12	*3.66*		*ug/l*	*5.00*		*73*	*50-120*			QC-2
Triphenyl phosphate	*4.77*		*ug/l*	*5.00*		*95*	*70-130*			QC-2
LCS (W0I0009-BS1)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Alachlor	5.08	0.10	ug/l	5.00		102	70-130			
Atrazine	5.80	0.10	ug/l	5.00		116	70-130			
Benzo (a) pyrene	4.65	0.10	ug/l	5.00		93	60-130			
Bis(2-ethylhexyl)adipate	5.34	2.0	ug/l	5.00		107	70-130			
Bis(2-ethylhexyl)phthalate	5.35	2.0	ug/l	5.00		107	70-130			
Bromacil	4.89	0.50	ug/l	5.00		98	70-130			
Butachlor	5.18	0.10	ug/l	5.00		104	70-130			
Captan	4.59	1.0	ug/l	5.00		92	70-130			
Chlorpropham	5.59	0.10	ug/l	5.00		112	70-130			
Cyanazine	5.87	0.10	ug/l	5.00		117	70-130			
Diazinon	4.30	0.10	ug/l	5.00		86	50-120			
Dimethoate	4.40	0.20	ug/l	5.00		88	50-120			
Diphenamid	6.15	0.10	ug/l	5.00		123	70-130			
Disulfoton	4.93	0.10	ug/l	5.00		99	50-120			
EPTC	5.98	0.10	ug/l	5.00		120	70-130			
Metolachlor	5.51	0.10	ug/l	5.00		110	60-130			
Metribuzin	4.70	0.10	ug/l	5.00		94	50-120			
Molinate	5.42	0.10	ug/l	5.00		108	70-130			
Naphthalene	5.14		ug/l	5.00		103	70-130			
Prometon	2.39	0.10	ug/l	5.00		48	15-120			
Prometryn	3.87	0.10	ug/l	5.00		77	30-120			
Simazine	5.38	0.10	ug/l	5.00		108	60-130			
Terbacil	6.17	2.0	ug/l	5.00		123	70-130			
Thiobencarb	5.60	0.10	ug/l	5.00		112	70-130			
Trithion	4.90	0.10	ug/l	5.00		98	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.77*		*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.86*		*ug/l*	*5.00*		*97*	*50-120*			
Triphenyl phosphate	*5.43*		*ug/l*	*5.00*		*109*	*70-130*			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS (W0I0009-BS2)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Propachlor	5.30		ug/l	5.00		106	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.99*		*ug/l*	*5.00*		*100*	*70-130*			
Perylene-d12	*3.92*		*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate	*5.21*		*ug/l*	*5.00*		*104*	*70-130*			
LCS (W0I0009-BS3)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Atrazine	5.74	0.10	ug/l	5.00		115	70-130			QC-2
Molinate	5.44	0.10	ug/l	5.00		109	70-130			QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.82*		*ug/l*	*5.00*		*96*	*70-130*			*QC-2*
Perylene-d12	*4.79*		*ug/l*	*5.00*		*96*	*50-120*			*QC-2*
Triphenyl phosphate	*5.43*		*ug/l*	*5.00*		*109*	*70-130*			*QC-2*
LCS Dup (W0I0009-BSD1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Alachlor	4.58	0.10	ug/l	5.00		92	70-130	11	30	
Atrazine	5.68	0.10	ug/l	5.00		114	70-130	2	30	
Benzo (a) pyrene	3.82	0.10	ug/l	5.00		76	60-130	20	30	
Bis(2-ethylhexyl)adipate	5.14	2.0	ug/l	5.00		103	70-130	4	30	
Bis(2-ethylhexyl)phthalate	5.30	2.0	ug/l	5.00		106	70-130	0.9	30	
Bromacil	5.08	0.50	ug/l	5.00		102	70-130	4	30	
Butachlor	4.69	0.10	ug/l	5.00		94	70-130	10	30	
Captan	2.92	1.0	ug/l	5.00		58	70-130	45	30	BS-04
Chlorpropham	5.52	0.10	ug/l	5.00		110	70-130	1	30	
Cyanazine	2.49	0.10	ug/l	5.00		50	70-130	81	30	BS-04
Diazinon	3.94	0.10	ug/l	5.00		79	50-120	9	30	
Dimethoate	2.47	0.20	ug/l	5.00		49	50-120	56	30	BS-04
Diphenamid	6.17	0.10	ug/l	5.00		123	70-130	0.4	30	
Disulfoton	4.53	0.10	ug/l	5.00		91	50-120	9	30	
EPTC	5.84	0.10	ug/l	5.00		117	70-130	2	30	
Metolachlor	5.50	0.10	ug/l	5.00		110	60-130	0.2	30	
Metribuzin	4.29	0.10	ug/l	5.00		86	50-120	9	30	
Molinate	5.27	0.10	ug/l	5.00		105	70-130	3	30	
Naphthalene	5.00		ug/l	5.00		100	70-130	3	30	
Prometon	1.96	0.10	ug/l	5.00		39	15-120	20	30	
Prometryn	4.00	0.10	ug/l	5.00		80	30-120	3	30	
Simazine	5.26	0.10	ug/l	5.00		105	60-130	2	30	
Terbacil	0.425	2.0	ug/l	5.00		8	70-130	174	30	BS-04
Thiobencarb	5.57	0.10	ug/l	5.00		111	70-130	0.5	30	
Trithion	3.07	0.10	ug/l	5.00		61	70-130	46	30	BS-04
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.00*		*97*	*70-130*			

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Quality Control Results (Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS Dup (W0I0009-BSD1)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Surrogate(s)										
Perylene-d12	*3.88*		*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate	*5.56*		*ug/l*	*5.00*		*111*	*70-130*			
LCS Dup (W0I0009-BSD2)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Propachlor	4.99		ug/l	5.00		100	70-130	6	30	
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.88*		*ug/l*	*5.00*		*98*	*70-130*			
Perylene-d12	*4.51*		*ug/l*	*5.00*		*90*	*50-120*			
Triphenyl phosphate	*4.70*		*ug/l*	*5.00*		*94*	*70-130*			
LCS Dup (W0I0009-BSD3)				**Prepared: 09/01/20**	**Analyzed: 09/08/20**					
Atrazine	5.70	0.10	ug/l	5.00		114	70-130	0.8	30	QC-2
Molinate	5.31	0.10	ug/l	5.00		106	70-130	2	30	QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.76*		*ug/l*	*5.00*		*95*	*70-130*			*QC-2*
Perylene-d12	*4.21*		*ug/l*	*5.00*		*84*	*50-120*			*QC-2*
Triphenyl phosphate	*5.64*		*ug/l*	*5.00*		*113*	*70-130*			*QC-2*

Quality Control Results (Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1345 - EPA 524.3										
Blank (W0H1345-BLK1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
LCS (W0H1345-BS1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	0.0616	0.010	ug/l	0.0500		123	70-130			
1,2-Dibromoethane (EDB)	0.0536	0.020	ug/l	0.0500		107	70-130			
LCS Dup (W0H1345-BSD1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	0.0510	0.010	ug/l	0.0500		102	70-130	19	30	
1,2-Dibromoethane (EDB)	0.0501	0.020	ug/l	0.0500		100	70-130	7	30	
Duplicate (W0H1345-DUP1)	**Source: 0H20067-07**			**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l		ND				30	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l		ND				30	

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Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
M-04	Due to the nature of matrix interferences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
Q-ME	Acceptable QC with marginal exceedance
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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(714) 771-6900

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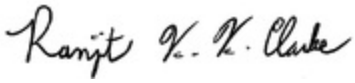
Lab Job Number: 432398
Report Level: II
Report Date: 09/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - Surface Water

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	432398
Project No:	MALIBU
Location:	Annual - Surface Water
Date Received:	08/18/20

Sample ID	Lab ID	Collected	Matrix
N-001	432398-001	08/18/20 08:37	Water
N-002	432398-002	08/18/20 08:50	Water
N-003	432398-003	08/18/20 09:04	Water
N-004	432398-004	08/18/20 10:04	Water
L-001	432398-005	08/18/20 10:30	Water
L-002	432398-006	08/18/20 10:53	Water
L-003	432398-007	08/18/20 10:45	Water
L-004	432398-008	08/18/20 09:35	Water
L-005	432398-009	08/18/20 09:15	Water
L-006	432398-010	08/18/20 09:45	Water

432398

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 538-1209	Lab No: 432398 8/18/20 Page: 1 of 1	Standard: X 4 Day: 3 Day: 2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	20-09665
Email:	KBrtalik@rinconconsultants.com	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	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)						Test Instructions / Comments
N-001	8/18/20	0837	SEA water	4		X	X	X	X						
N-002		0850				X	X	X	X						
N-003		0904				X	X	X	X						
N-004		1004				X	X	X	X						
L-001		1030				X	X	X	X						
L-002		1053				X	X	X	X						
L-003		1045				X	X	X	X						
L-004		0935				X	X	X	X						
L-005		0915				X	X	X	X						
L-006		0945				X	X	X	X						

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime Mcclain	Rincon / Biologist	8/18/20 / 1450
[1] Received By:		JAIME A	EA	8/18/2020 1450
[2] Relinquished By:		JAIME A	EA	8/18/2020 1646
[2] Received By:		G Kim	EA	8/18/20 1646
[3] Relinquished By:				
[3] Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Annual - Malibu

Date Received: 8/18/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 18.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/18/20

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Analysis Results for 432398

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432398
Project No: MALIBU
Location: Annual - Surface Water
Date Received: 08/18/20

Sample ID: N-001 **Lab ID: 432398-001** **Collected: 08/18/20 08:37**
Matrix: Water

432398-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 20:32	08/19/20 20:32	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 20:32	08/19/20 20:32	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 20:32	08/19/20 20:32	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.25**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.25**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.059**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**3.0**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.25**		mg/L			1	251810	08/27/20	08/27/20	SLL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 432398

Sample ID: N-002	Lab ID: 432398-002	Collected: 08/18/20 08:50
	Matrix: Water	

432398-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 20:57	08/19/20 20:57	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 20:57	08/19/20 20:57	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 20:57	08/19/20 20:57	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.18**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.079**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**12**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.18**		mg/L			1	251810	08/27/20	08/27/20	SLL

Sample ID: N-003	Lab ID: 432398-003	Collected: 08/18/20 09:04
	Matrix: Water	

432398-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 21:21	08/19/20 21:21	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 21:21	08/19/20 21:21	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 21:21	08/19/20 21:21	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.082**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.082**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**29**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.082**		mg/L			1	251810	08/27/20	08/27/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432398

Sample ID: N-004	Lab ID: 432398-004	Collected: 08/18/20 10:04
	Matrix: Water	

432398-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 21:46	08/19/20 21:46	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 21:46	08/19/20 21:46	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 21:46	08/19/20 21:46	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.88**		mg/L	0.020	0.010	1	251404	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	ND		mg/L			1	251810	08/27/20	08/27/20	SLL

Sample ID: L-001	Lab ID: 432398-005	Collected: 08/18/20 10:30
	Matrix: Water	

432398-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 22:10	08/19/20 22:10	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 22:10	08/19/20 22:10	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 22:10	08/19/20 22:10	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.83**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.83**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.33**		mg/L	0.020	0.010	1	251404	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.83**		mg/L			1	251810	08/27/20	08/27/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432398

Sample ID: L-002 **Lab ID: 432398-006** **Collected: 08/18/20 10:53**
Matrix: Water

432398-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 23:23	08/19/20 23:23	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 23:23	08/19/20 23:23	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 23:23	08/19/20 23:23	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.18**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.096**		mg/L	0.020	0.010	1	251404	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.18**		mg/L			1	251810	08/27/20	08/27/20	SLL

Sample ID: L-003 **Lab ID: 432398-007** **Collected: 08/18/20 10:45**
Matrix: Water

432398-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/19/20 23:48	08/19/20 23:48	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/19/20 23:48	08/19/20 23:48	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/19/20 23:48	08/19/20 23:48	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.63**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.11**		mg/L	0.020	0.010	1	251402	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.63**		mg/L			1	251810	08/27/20	08/27/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432398

Sample ID: L-004 **Lab ID: 432398-008** **Collected: 08/18/20 09:35**
Matrix: Water

432398-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 00:12	08/20/20 00:12	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/20/20 00:12	08/20/20 00:12	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/20/20 00:12	08/20/20 00:12	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.098**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.098**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.087**		mg/L	0.020	0.010	1	251404	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**870**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.098**		mg/L			1	251810	08/27/20	08/27/20	SLL

Sample ID: L-005 **Lab ID: 432398-009** **Collected: 08/18/20 09:15**
Matrix: Water

432398-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 00:37	08/20/20 00:37	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/20/20 00:37	08/20/20 00:37	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/20/20 00:37	08/20/20 00:37	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.43**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.20**		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.46**		mg/L	0.020	0.010	1	251404	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**1,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.63**		mg/L			1	251810	08/27/20	08/27/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432398

Sample ID: L-006	Lab ID: 432398-010	Collected: 08/18/20 09:45
	Matrix: Water	

432398-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251195	08/20/20 01:01	08/20/20 01:01	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251195	08/20/20 01:01	08/20/20 01:01	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251195	08/20/20 01:01	08/20/20 01:01	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.12**		mg/L			1	251809	08/27/20	08/27/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.25**		mg/L	0.10	0.010	1	251636	08/25/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.37**	J	mg/L	0.40	0.030	1	251394	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.020**		mg/L	0.020	0.010	1	251404	08/20/20	08/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251200	08/18/20 17:55	08/19/20 16:15	LXH
Method: TOTAL NITROGEN										
Total Nitrogen	**0.37**		mg/L			1	251810	08/27/20	08/27/20	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC881788	**Batch:** 251195
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881788 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/19/20 11:55	08/19/20 11:55
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/20 11:55	08/19/20 11:55
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/20 11:55	08/19/20 11:55

Type: Lab Control Sample	**Lab ID:** QC881789	**Batch:** 251195
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881789 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.550	9.150	mg/L	104%		90-110
Nitrogen, Nitrate	9.472	9.030	mg/L	105%		90-110

Type: Matrix Spike	**Lab ID:** QC881792	**Batch:** 251195
Matrix (Source ID): Water (432451-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881792 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.576	0.2060	9.150	mg/L	102%		80-120	1
Nitrogen, Nitrate	13.02	4.070	9.030	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC881793	**Batch:** 251195
Matrix (Source ID): Water (432451-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC881793 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.580	0.2060	9.150	mg/L	102%		80-120	0	20	1
Nitrogen, Nitrate	13.02	4.070	9.030	mg/L	99%		80-120	0	20	1

Type: Blank	**Lab ID:** QC882212	**Batch:** 251394
Matrix: Water	**Method:** SM 4500-NH3-G	

QC882212 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/20/20	08/20/20

Type: Lab Control Sample	**Lab ID:** QC882213	**Batch:** 251394
Matrix: Water	**Method:** SM 4500-NH3-G	

QC882213 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.345	2.500	mg/L	94%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC882214 | **Batch:** 251394
Matrix (Source ID): Water (432391-001) | **Method:** SM 4500-NH3-G

QC882214 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.90	0.5010	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC882215 | **Batch:** 251394
Matrix (Source ID): Water (432391-001) | **Method:** SM 4500-NH3-G

QC882215 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.70	0.5010	12.50	mg/L	98%		80-120	2	20	2.5

Type: Blank | **Lab ID:** QC882233 | **Batch:** 251402
Matrix: Water | **Method:** SM 4500-P-B5-E

QC882233 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/20/20	08/20/20

Type: Lab Control Sample | **Lab ID:** QC882234 | **Batch:** 251402
Matrix: Water | **Method:** SM 4500-P-B5-E

QC882234 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4230	0.4000	mg/L	106%		80-120

Type: Matrix Spike | **Lab ID:** QC882235 | **Batch:** 251402
Matrix (Source ID): Water (432398-007) | **Method:** SM 4500-P-B5-E

QC882235 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.5710	0.1080	0.4000	mg/L	116%		75-125	1

Type: Matrix Spike Duplicate | **Lab ID:** QC882236 | **Batch:** 251402
Matrix (Source ID): Water (432398-007) | **Method:** SM 4500-P-B5-E

QC882236 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5240	0.1080	0.4000	mg/L	104%		75-125	9	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC882241** **Batch: 251404**
Matrix: Water **Method: SM 4500-P-B5-E**

QC882241 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/20/20	08/20/20

Type: Lab Control Sample **Lab ID: QC882242** **Batch: 251404**
Matrix: Water **Method: SM 4500-P-B5-E**

QC882242 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4100	0.4000	mg/L	103%		80-120

Type: Matrix Spike **Lab ID: QC882243** **Batch: 251404**
Matrix (Source ID): Water (432398-010) **Method: SM 4500-P-B5-E**

QC882243 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4740	0.02000	0.4000	mg/L	114%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC882244** **Batch: 251404**
Matrix (Source ID): Water (432398-010) **Method: SM 4500-P-B5-E**

QC882244 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5000	0.02000	0.4000	mg/L	120%		75-125	5	20	1

Type: Blank **Lab ID: QC882915** **Batch: 251636**
Matrix: Water **Method: SM 4500-NH3-G**

QC882915 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/25/20	08/27/20

Type: Lab Control Sample **Lab ID: QC882916** **Batch: 251636**
Matrix: Water **Method: SM 4500-NH3-G**

QC882916 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.700	2.500	mg/L	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC882917**	**Batch:**	**251636**
Matrix (Source ID):	**Water (432398-002)**	**Method:**	**SM 4500-NH3-G**		

QC882917 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.350	ND	2.500	mg/L	94%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882918**	**Batch:**	**251636**
Matrix (Source ID):	**Water (432398-002)**	**Method:**	**SM 4500-NH3-G**		

QC882918 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.370	ND	2.500	mg/L	95%		80-120	1	20	1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

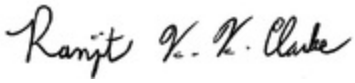
Lab Job Number: 432455
Report Level: II
Report Date: 09/24/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - Long Term GW - Partial Report (EPA 1694 pending)

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003	Lab Job #: Project No: Location: Date Received:	432455 MALIBU Annual - Long Term GW - Partial Report (EPA 1694 pending) 08/19/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-12	432455-001	08/19/20 10:15	Water
MCWP-MW09	432455-002	08/19/20 10:40	Water

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 432455	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 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:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	

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
						Analysis Request										1.9/8.8 2.3/13.4 2.8/11.0 2.3/16.7
~~LAMW-5S~~						X	X	X	X	X	X	X	X	X	X	Mc
~~SMBRP-9~~						X	X	X	X	X	X	X	X	X	X	Mc
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	Mc
SMBRP-12	8/19/20	1015	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	Mc
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	Mc
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	Mc
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	Mc
MCWP-MW09	8/19/20	1040	W			X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/19/20 1320
[1] Received By:		JAIME A	EA	8/19/2020 1320
[2] Relinquished By:		JAIME A	EA	8/19/2020 1513
[2] Received By:		Elizabeth Ramirez	EA	8/19/20 15:13
[3] Relinquished By:				
[3] Received By:				

~~1.1/3.6 2.2/3.4~~ EA 8/19/20

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 432455	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 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:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	

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~~						X	X	X	X	X	X	X	X	X	X	MC
~~SMBRP-9~~						X	X	X	X	X	X	X	X	X	X	MC
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	MC
SMBRP-12	8/19/20	1015	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW09	8/19/20	1040	W			X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rinconconsultants	8/19/20 1320
1 Received By:		Jairo A	EA	8/19/2020 1320
2 Relinquished By:		Jairo A	EA	8/19/2020 1513
2 Received By:		Elizabeth Ramirez	EA	8/19/20 15:13
3 Relinquished By:				
3 Received By:				

~~1.4 13.6~~ ~~2.2 12.4~~ ER 8/19/20

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu- Annual

Date Received: 08/19/20 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 8.8 #2: 13.4 #3: 11.0 #4: 16.7

(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: 1.9 #2: 2.3 #3: 2.8 #4: 2.3

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

Only received 2 pg COC.

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: 08/19/20

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Weck Laboratories, Inc.
14859 Clark Ave.
Hacienda Heights, CA 91745
ATTN: Regina Giancola
PO #: 1056017

Enthalpy Order: EO-432455
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs: Standard Excel

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	19-AUG-2020 00:00	432455-001	1	Water	Hexavalent Chromium by EPA 218.6	
				Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
			1	Water	EPA 625 Low Level	
				Water	Bromate by 300.1 - OUT	
				Water	EPA 300.1 for Chlorate by IC	
				Water	Method 1694: Pharmaceuticals and PCPs by HPLC/MS/MS	
				Water	EPA 1625 Isotope Dilution for NDMA	
MCWP-MW09	19-AUG-2020 00:00	432455-002	1	Water	Hexavalent Chromium by EPA 218.6	
				Water	EDB and DBCP by GC	
				Water	EPA 508 Chlorinated Pesticides	
				Water	EPA 515.3 Chlorinated Acids	
				Water	EPA 525.2 Semi-Volatile Organics	
				Water	EPA 531.1 Carbamates	
				Water	EPA 547 Glyphosate	
				Water	EPA 548.1 Endothall	
				Water	EPA 549.2 Diquat and Paraquat	
				Water	552.2 Haloacetic Acids	
				Water	Semivolatile organic compounds by EPA 625	
				Water	Bromate by 300.1 - OUT	
				Water	EPA 300.1 for Chlorate by IC	
				Water	Method 1694: Pharmaceuticals and PCPs by HPLC/MS/MS	
				Water	EPA 1625 Isotope Dilution for NDMA	

Notes:	Relinquished By:	Received By:
	[signature]	Heather Smith
	Date: 08/20/20 @ 15:13	Date: 8-20-20 / 15:13
	Date:	Date:
	Date:	Date:

ENTHALPY ANALYTICAL

Analysis Results for 432455

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432455
Project No: MALIBU
Location: Annual - Long Term GW - Partial Report (EPA 1694 pending)
Date Received: 08/19/20

Sample ID: SMBRP-12 **Lab ID: 432455-001** **Collected: 08/19/20 10:15**
Matrix: Water

432455-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	251344	08/20/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.85**		mg/L	0.050	0.012	1	251345	08/20/20	08/20/20	SBW
Calcium	**95**		mg/L	0.10	0.033	1	251345	08/20/20	08/20/20	SBW
Iron	**1.2**		mg/L	0.020	0.016	1	251345	08/20/20	08/20/20	SBW
Magnesium	**70**		mg/L	0.10	0.048	1	251345	08/20/20	08/20/20	SBW
Manganese	**0.43**		mg/L	0.010	0.0030	1	251345	08/20/20	08/20/20	SBW
Potassium	**30**		mg/L	0.50	0.18	1	251345	08/20/20	08/20/20	SBW
Sodium	**470**		mg/L	0.50	0.061	1	251345	08/20/20	08/20/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**32**	J	ug/L	50	16	5	251344	08/20/20	08/31/20	JCP
Antimony	ND		ug/L	2.5	0.30	5	251344	08/20/20	08/31/20	JCP
Arsenic	**13**		ug/L	2.0	0.38	1	251344	08/20/20	08/29/20	JCP
Barium	**50**		ug/L	25	1.4	5	251344	08/20/20	08/31/20	JCP
Beryllium	ND		ug/L	2.5	0.25	5	251344	08/20/20	08/31/20	JCP
Cadmium	**0.28**	J	ug/L	1.0	0.17	5	251344	08/20/20	08/31/20	JCP
Chromium	ND		ug/L	10	3.0	10	251344	08/20/20	09/01/20	JCP
Copper	**3.4**		ug/L	0.50	0.050	1	251344	08/20/20	08/29/20	JCP
Lead	ND		ug/L	2.5	0.22	5	251344	08/20/20	08/31/20	JCP
Nickel	**19**		ug/L	5.0	1.0	5	251344	08/20/20	08/31/20	JCP
Selenium	**4.2**		ug/L	2.0	0.27	1	251344	08/20/20	08/29/20	JCP
Silver	ND	B	ug/L	1.0	0.13	5	251344	08/20/20	08/31/20	JCP
Thallium	ND		ug/L	5.0	1.2	5	251344	08/20/20	08/31/20	JCP
Zinc	ND		ug/L	10	4.2	1	251344	08/20/20	08/29/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251384	08/20/20	08/20/20	JCP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**490**		mg/L	10	1.4	10	251348	08/19/20 12:00	08/20/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 09:59	08/20/20 09:59	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251348	08/20/20 09:59	08/20/20 09:59	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432455

432455-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**380**		mg/L	10	2.5	10	251348	08/19/20 12:00	08/20/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251348	08/20/20 09:59	08/20/20 09:59	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	**26**		ug/L	4.0	1.1	2	251376	08/20/20	08/20/20	RKV
Method: EPA 524.2 Prep Method: METHOD										
Acrolein	ND		ug/L	5.0	3.3	1	251342	08/20/20	08/20/20	LYZ
Acrylonitrile	ND		ug/L	2.0	0.8	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251342	08/20/20	08/20/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251342	08/20/20	08/20/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251342	08/20/20	08/20/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251342	08/20/20	08/20/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251342	08/20/20	08/20/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251342	08/20/20	08/20/20	LYZ
Methylene Chloride	**2.1**	B	ug/L	0.50	0.16	1	251342	08/20/20	08/20/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251342	08/20/20	08/20/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251342	08/20/20	08/20/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251342	08/20/20	08/20/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251342	08/20/20	08/20/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251342	08/20/20	08/20/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251342	08/20/20	08/20/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251342	08/20/20	08/20/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251342	08/20/20	08/20/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251342	08/20/20	08/20/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251342	08/20/20	08/20/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432455

432455-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**						
Bromofluorobenzene	97%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane-d4	98%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Dibromofluoromethane	103%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Toluene-d8	106%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Method: SM 2150B										
Odor	ND		TON	1.0		1	251368	08/20/20 09:10	08/20/20 09:10	SGC
Method: SM 2330B										
CCPP	**-0.060**		SU			1	251807	08/27/20	08/27/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251497	08/22/20 10:52	08/22/20 10:52	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**0.55**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**6.93**	H	SU			1	251373	08/20/20 13:00	08/20/20 13:00	SGC
Temperature	**5.90**	H	deg C	1.00		1	251373	08/20/20 13:00	08/20/20 13:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**5.3**		mg/L	0.50	0.050	5	251758	08/26/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**6.6**		mg/L	0.40	0.030	1	251387	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.5**		mg/L	0.040	0.020	2	251694	08/25/20	08/25/20	SGC
Method: SM 5310B										
Total Organic Carbon	**6.5**		mg/L	1.0	0.091	1	251646	08/25/20	08/25/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Coliform, Total	**9.6**		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	251367	08/20/20 09:00	08/20/20 09:00	SGC
Method: SM2130B										
Turbidity	**8.3**		NTU	0.10	0.07	1	251366	08/20/20 09:10	08/20/20 09:10	SGC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**540**		mg/L	13		2.5	251611	08/24/20	08/24/20	ATP
Carbonate	ND		mg/L	13		2.5	251611	08/24/20	08/24/20	ATP
Hydroxide	ND		mg/L	13		2.5	251611	08/24/20	08/24/20	ATP
Alkalinity, Total as CaCO3	**440**		mg/L	13		2.5	251611	08/24/20	08/24/20	ATP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	251597	08/24/20	08/24/20	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432455

432455-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**13**		mg/L	0.6		1.1	251462	08/20/20	08/20/20	NLP
Method: SM5540C										
Surfactants (MBAS)	**0.11**		mg/L	0.040	0.027	1	251531	08/21/20 10:00	08/21/20 18:59	NLP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432455

Sample ID: MCWP-MW09	Lab ID: 432455-002	Collected: 08/19/20 10:40
	Matrix: Water	

432455-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	251344	08/20/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.81**		mg/L	0.050	0.012	1	251345	08/20/20	08/20/20	SBW
Calcium	**77**		mg/L	0.10	0.033	1	251345	08/20/20	08/20/20	SBW
Iron	**0.47**		mg/L	0.020	0.016	1	251345	08/20/20	08/20/20	SBW
Magnesium	**74**		mg/L	0.10	0.048	1	251345	08/20/20	08/20/20	SBW
Manganese	**0.12**		mg/L	0.010	0.0030	1	251345	08/20/20	08/20/20	SBW
Potassium	**15**		mg/L	0.50	0.18	1	251345	08/20/20	08/20/20	SBW
Sodium	**570**		mg/L	0.50	0.061	1	251345	08/20/20	08/20/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**76**		ug/L	50	16	5	251344	08/20/20	08/31/20	JCP
Antimony	ND		ug/L	2.5	0.30	5	251344	08/20/20	08/31/20	JCP
Arsenic	**1.8**	J	ug/L	2.0	0.38	1	251344	08/20/20	08/29/20	JCP
Barium	**17**	J	ug/L	25	1.4	5	251344	08/20/20	08/31/20	JCP
Beryllium	ND		ug/L	2.5	0.25	5	251344	08/20/20	08/31/20	JCP
Cadmium	ND		ug/L	1.0	0.17	5	251344	08/20/20	08/31/20	JCP
Chromium	ND		ug/L	10	3.0	10	251344	08/20/20	09/01/20	JCP
Copper	**4.1**		ug/L	0.50	0.050	1	251344	08/20/20	08/29/20	JCP
Lead	ND		ug/L	2.5	0.22	5	251344	08/20/20	08/31/20	JCP
Nickel	**5.5**		ug/L	5.0	1.0	5	251344	08/20/20	08/31/20	JCP
Selenium	**7.5**		ug/L	2.0	0.27	1	251344	08/20/20	08/29/20	JCP
Silver	ND		ug/L	1.0	0.13	5	251344	08/20/20	08/31/20	JCP
Thallium	ND		ug/L	5.0	1.2	5	251344	08/20/20	08/31/20	JCP
Zinc	**110**		ug/L	10	4.2	1	251344	08/20/20	08/29/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251384	08/20/20	08/20/20	JCP
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**620**		mg/L	10	1.4	10	251348	08/19/20 12:00	08/20/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 10:24	08/20/20 10:24	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251348	08/20/20 10:24	08/20/20 10:24	RKV
Sulfate	**550**		mg/L	10	2.5	10	251348	08/19/20 12:00	08/20/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251348	08/20/20 10:24	08/20/20 10:24	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	4.0	1.1	2	251376	08/20/20	08/20/20	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432455

432455-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 524.2 Prep Method: METHOD										
Acrolein	ND		ug/L	5.0	3.3	1	251342	08/20/20	08/20/20	LYZ
Acrylonitrile	ND		ug/L	2.0	0.8	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251342	08/20/20	08/20/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251342	08/20/20	08/20/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251342	08/20/20	08/20/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251342	08/20/20	08/20/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251342	08/20/20	08/20/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251342	08/20/20	08/20/20	LYZ
Methylene Chloride	**2.0**	B	ug/L	0.50	0.16	1	251342	08/20/20	08/20/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251342	08/20/20	08/20/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251342	08/20/20	08/20/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251342	08/20/20	08/20/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251342	08/20/20	08/20/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251342	08/20/20	08/20/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251342	08/20/20	08/20/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251342	08/20/20	08/20/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251342	08/20/20	08/20/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251342	08/20/20	08/20/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251342	08/20/20	08/20/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251342	08/20/20	08/20/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251342	08/20/20	08/20/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251342	08/20/20	08/20/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251342	08/20/20	08/20/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251342	08/20/20	08/20/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251342	08/20/20	08/20/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251342	08/20/20	08/20/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251342	08/20/20	08/20/20	LYZ
Surrogates				**Limits**						
Bromofluorobenzene	97%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
1,2-Dichloroethane-d4	96%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Dibromofluoromethane	100%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ
Toluene-d8	102%		%REC	70-140		1	251342	08/20/20	08/20/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432455

432455-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 2150B										
Odor	ND		TON	1.0		1	251368	08/20/20 09:10	08/20/20 09:10	SGC
Method: SM 2330B										
CCPP	**-0.10**		SU			1	251807	08/27/20	08/27/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251497	08/22/20 10:52	08/22/20 10:52	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**0.54**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**7.13**	H	SU			1	251373	08/20/20 13:00	08/20/20 13:00	SGC
Temperature	**6.10**	H	deg C	1.00		1	251373	08/20/20 13:00	08/20/20 13:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**2.0**		mg/L	0.10	0.010	1	251758	08/26/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**2.2**		mg/L	0.40	0.030	1	251387	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.010	1	251694	08/25/20	08/25/20	SGC
Method: SM 5310B										
Total Organic Carbon	**2.6**		mg/L	1.0	0.091	1	251646	08/25/20	08/25/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Coliform, Total	**5.2**		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	251367	08/20/20 09:00	08/20/20 09:00	SGC
Method: SM2130B										
Turbidity	**2.1**		NTU	0.10	0.07	1	251366	08/20/20 09:10	08/20/20 09:10	SGC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**410**		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Carbonate	ND		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Hydroxide	ND		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Alkalinity, Total as CaCO3	**330**		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,000**		mg/L	20		2	251597	08/24/20	08/24/20	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.8**		mg/L	0.6		1.1	251462	08/20/20	08/20/20	NLP
Method: SM5540C										
Surfactants (MBAS)	**0.044**		mg/L	0.040	0.027	1	251531	08/21/20 10:00	08/21/20 18:59	NLP

Results for any subcontracted analyses are not included in this section.

Analysis Results for 432455

<	Value is less than indicated concentration
B	Contamination found in associated Method Blank
H	Holding time was exceeded
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882070		**Batch:** 251342
Matrix: Water	**Method:** EPA 524.2		**Prep Method:** METHOD

QC882070 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrolein	ND		ug/L	5.0	3.3	08/20/20	08/20/20
Acrylonitrile	ND		ug/L	2.0	0.8	08/20/20	08/20/20
1,1-Dichloroethene	ND		ug/L	0.50	0.30	08/20/20	08/20/20
Benzene	ND		ug/L	0.50	0.18	08/20/20	08/20/20
Trichloroethene	ND		ug/L	0.50	0.39	08/20/20	08/20/20
Toluene	ND		ug/L	0.50	0.24	08/20/20	08/20/20
Chlorobenzene	ND		ug/L	0.50	0.19	08/20/20	08/20/20
Chloromethane	ND		ug/L	0.50	0.27	08/20/20	08/20/20
Vinyl Chloride	ND		ug/L	0.50	0.18	08/20/20	08/20/20
Bromomethane	ND		ug/L	0.68	0.68	08/20/20	08/20/20
Chloroethane	ND		ug/L	0.50	0.45	08/20/20	08/20/20
Trichlorofluoromethane	ND		ug/L	0.50	0.25	08/20/20	08/20/20
Freon 113	ND		ug/L	0.50	0.35	08/20/20	08/20/20
Methylene Chloride	1.7		ug/L	0.50	0.16	08/20/20	08/20/20
MTBE	ND		ug/L	0.50	0.19	08/20/20	08/20/20
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	08/20/20	08/20/20
1,1-Dichloroethane	ND		ug/L	0.50	0.32	08/20/20	08/20/20
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	08/20/20	08/20/20
Chloroform	ND		ug/L	0.50	0.18	08/20/20	08/20/20
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	08/20/20	08/20/20
Carbon Tetrachloride	ND		ug/L	0.50	0.27	08/20/20	08/20/20
1,2-Dichloroethane	ND		ug/L	0.50	0.20	08/20/20	08/20/20
1,2-Dichloropropane	ND		ug/L	1.0	0.36	08/20/20	08/20/20
Bromodichloromethane	ND		ug/L	0.50	0.31	08/20/20	08/20/20
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	08/20/20	08/20/20
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	08/20/20	08/20/20
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	08/20/20	08/20/20
Tetrachloroethene	ND		ug/L	0.50	0.18	08/20/20	08/20/20
Dibromochloromethane	ND		ug/L	0.50	0.21	08/20/20	08/20/20
Ethylbenzene	ND		ug/L	0.50	0.21	08/20/20	08/20/20
m,p-Xylenes	ND		ug/L	1.0	0.45	08/20/20	08/20/20
Styrene	ND		ug/L	0.50	0.22	08/20/20	08/20/20
Bromoform	ND		ug/L	0.50	0.20	08/20/20	08/20/20
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	08/20/20	08/20/20
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	08/20/20	08/20/20
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	08/20/20	08/20/20
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	08/20/20	08/20/20
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	08/20/20	08/20/20
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	08/20/20	08/20/20
Surrogates				**Limits**			
Bromofluorobenzene	98%		%REC	70-140		08/20/20	08/20/20
1,2-Dichloroethane-d4	94%		%REC	70-140		08/20/20	08/20/20

ENTHALPY ANALYTICAL

Batch QC

QC882070 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Dibromofluoromethane	102%		%REC	70-140		08/20/20	08/20/20
Toluene-d8	101%		%REC	70-140		08/20/20	08/20/20

Type: Lab Control Sample **Lab ID:** QC882071 **Batch:** 251342
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC882071 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	41.40	50.00	ug/L	83%		70-135
Benzene	38.38	50.00	ug/L	77%		70-130
Trichloroethene	45.03	50.00	ug/L	90%		70-130
Toluene	43.92	50.00	ug/L	88%		70-130
Chlorobenzene	45.67	50.00	ug/L	91%		70-130
MTBE	36.43	50.00	ug/L	73%		70-130
Surrogates						
Bromofluorobenzene	47.23	50.00	ug/L	94%		70-140
1,2-Dichloroethane-d4	46.98	50.00	ug/L	94%		70-140
Dibromofluoromethane	51.60	50.00	ug/L	103%		70-140
Toluene-d8	53.22	50.00	ug/L	106%		70-140

Type: Lab Control Sample Duplicate **Lab ID:** QC882072 **Batch:** 251342
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC882072 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	42.62	50.00	ug/L	85%		70-135	3	30
Benzene	39.97	50.00	ug/L	80%		70-130	4	30
Trichloroethene	45.13	50.00	ug/L	90%		70-130	0	30
Toluene	45.19	50.00	ug/L	90%		70-130	3	30
Chlorobenzene	47.85	50.00	ug/L	96%		70-130	5	30
MTBE	43.17	50.00	ug/L	86%		70-130	17	30
Surrogates								
Bromofluorobenzene	47.72	50.00	ug/L	95%		70-140		
1,2-Dichloroethane-d4	47.84	50.00	ug/L	96%		70-140		
Dibromofluoromethane	50.77	50.00	ug/L	102%		70-140		
Toluene-d8	52.80	50.00	ug/L	106%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC882077	Batch: 251344
Matrix: Water		

QC882077 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: ALCH 4022 Prep Method: EPA 200.8							
Chromium Trivalent	ND		ug/L	1.0		08/20/20	09/23/20
Method: EPA 200.8 Prep Method: EPA 200.8							
Aluminum	ND		ug/L	10	3.2	08/20/20	08/31/20
Antimony	0.10	J	ug/L	0.50	0.060	08/20/20	08/31/20
Arsenic	ND		ug/L	2.0	0.38	08/20/20	08/31/20
Barium	ND		ug/L	5.0	0.28	08/20/20	08/31/20
Beryllium	ND		ug/L	0.50	0.050	08/20/20	08/31/20
Cadmium	ND		ug/L	0.20	0.033	08/20/20	08/31/20
Chromium	0.73	J	ug/L	1.0	0.30	08/20/20	09/01/20
Copper	ND		ug/L	0.50	0.050	08/20/20	08/31/20
Lead	ND		ug/L	0.50	0.044	08/20/20	08/31/20
Nickel	ND		ug/L	1.0	0.20	08/20/20	08/31/20
Selenium	ND		ug/L	2.0	0.24	08/20/20	09/01/20
Silver	0.019	J	ug/L	0.20	0.014	08/20/20	09/01/20
Thallium	ND		ug/L	1.0	0.23	08/20/20	08/31/20
Zinc	ND		ug/L	10	4.2	08/20/20	08/31/20

Type: Lab Control Sample	Lab ID: QC882078	Batch: 251344
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 200.8

QC882078 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	47.10	50.00	ug/L	94%		85-115
Antimony	49.41	50.00	ug/L	99%		85-115
Arsenic	44.69	50.00	ug/L	89%		85-115
Barium	49.09	50.00	ug/L	98%		85-115
Beryllium	47.16	50.00	ug/L	94%		85-115
Cadmium	51.20	50.00	ug/L	102%		85-115
Chromium	49.79	50.00	ug/L	100%		85-115
Copper	50.10	50.00	ug/L	100%		85-115
Lead	51.29	50.00	ug/L	103%		85-115
Nickel	51.59	50.00	ug/L	103%		85-115
Selenium	47.61	50.00	ug/L	95%		85-115
Silver	47.99	50.00	ug/L	96%		85-115
Thallium	49.89	50.00	ug/L	100%		85-115
Zinc	50.99	50.00	ug/L	102%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC882080**	**Batch:**	**251344**
Matrix (Source ID):	**Water (432455-001)**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 200.8**

QC882080 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	81.70	31.51	50.00	ug/L	100%		70-130	5
Antimony	49.30	ND	50.00	ug/L	99%		70-130	5
Arsenic	57.20	13.46	50.00	ug/L	87%		70-130	1
Barium	100.5	50.17	50.00	ug/L	101%		70-130	5
Beryllium	47.28	ND	50.00	ug/L	95%		70-130	5
Cadmium	49.35	0.2750	50.00	ug/L	98%		70-130	5
Chromium	46.18	ND	50.00	ug/L	92%		70-130	10
Copper	50.86	3.395	50.00	ug/L	95%		70-130	1
Lead	49.80	ND	50.00	ug/L	100%		70-130	5
Nickel	69.13	18.80	50.00	ug/L	101%		70-130	5
Selenium	47.74	4.196	50.00	ug/L	87%		70-130	1
Silver	45.03	0.1250	50.00	ug/L	90%		70-130	5
Thallium	48.57	ND	50.00	ug/L	97%		70-130	5
Zinc	46.24	ND	50.00	ug/L	92%		70-130	1

Type:	**Blank**	**Lab ID:**	**QC882081**	**Batch:**	**251345**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC882081 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.012	08/20/20	08/20/20
Calcium	ND		mg/L	0.10	0.033	08/20/20	08/20/20
Iron	ND		mg/L	0.020	0.016	08/20/20	08/20/20
Magnesium	ND		mg/L	0.10	0.048	08/20/20	08/20/20
Manganese	ND		mg/L	0.010	0.0030	08/20/20	08/20/20
Potassium	ND		mg/L	0.50	0.18	08/20/20	08/20/20
Sodium	0.076	J	mg/L	0.50	0.061	08/20/20	08/20/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882082**	**Batch:**	**251345**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC882082 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	2.026	2.000	mg/L	101%		85-115
Calcium	22.78	20.00	mg/L	114%		85-115
Iron	2.031	2.000	mg/L	102%		85-115
Magnesium	21.75	20.00	mg/L	109%		85-115
Manganese	2.089	2.000	mg/L	104%		85-115
Potassium	41.21	38.00	mg/L	108%		85-115
Sodium	22.65	20.00	mg/L	113%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Spike**	**Lab ID:**	**QC882083**	**Batch:**	**251345**
Matrix (Source ID):	**Water (432455-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC882083 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.814	0.8515	1.000	mg/L	96%		75-125	1
Calcium	112.1	95.01	20.00	mg/L	85%	NM	75-125	1
Iron	2.160	1.218	1.000	mg/L	94%		75-125	1
Magnesium	84.34	70.23	20.00	mg/L	71%	*	75-125	1
Manganese	1.394	0.4345	1.000	mg/L	96%		75-125	1
Potassium	59.18	29.62	29.00	mg/L	102%		75-125	1
Sodium	468.9	466.7	20.00	mg/L	11%	NM	75-125	1

Type:	**Blank**	**Lab ID:**	**QC882204**	**Batch:**	**251348**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882204 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.14	08/19/20 12:00	08/19/20 23:59
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/19/20 22:59	08/19/20 22:59
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/20 22:59	08/19/20 22:59
Sulfate	ND		mg/L	1.0	0.25	08/19/20 12:00	08/19/20 23:59
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/20 22:59	08/19/20 22:59

Type:	**Lab Control Sample**	**Lab ID:**	**QC882205**	**Batch:**	**251348**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882205 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	103.4	100.0	mg/L	103%		90-110
Nitrogen, Nitrite	9.626	9.150	mg/L	105%		90-110
Nitrogen, Nitrate	9.561	9.030	mg/L	106%		90-110
Sulfate	50.87	50.00	mg/L	102%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC882206**	**Batch:**	**251348**
Matrix (Source ID):	**Water (432451-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882206 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	234.1	158.5	100.0	mg/L	76%	*	80-120	10
Nitrogen, Nitrite	9.441	ND	9.150	mg/L	103%		80-120	1
Nitrogen, Nitrate	9.146	0.07000	9.030	mg/L	101%		80-120	1
Sulfate	51.84	2.356	50.00	mg/L	99%		80-120	1

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC882207	Batch:	251348
Matrix (Source ID):	Water (432451-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC882207 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	223.9	158.5	100.0	mg/L	65%	*	80-120	4	20	10
Nitrogen, Nitrite	9.522	ND	9.150	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrate	9.279	0.07000	9.030	mg/L	102%		80-120	1	20	1
Sulfate	51.83	2.356	50.00	mg/L	99%		80-120	0	20	1

Type:	Sample Duplicate	Lab ID:	QC882126	Batch:	251366
Matrix (Source ID):	Water (432441-001)	Method:	SM2130B		

QC882126 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.4370	0.4340	NTU		1	20	1

Type:	Sample Duplicate	Lab ID:	QC882127	Batch:	251367
Matrix (Source ID):	Water (432441-001)	Method:	SM2120B		

QC882127 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type:	Sample Duplicate	Lab ID:	QC882128	Batch:	251368
Matrix (Source ID):	Water (432441-001)	Method:	SM 2150B		

QC882128 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type:	Sample Duplicate	Lab ID:	QC882136	Batch:	251373
Matrix (Source ID):	Water (432455-001)	Method:	SM 4500-H+ B		

QC882136 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.940	6.930	SU		0	20	1
Temperature	5.800	5.900	deg C		2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC882143**	**Batch:**	**251376**
Matrix:	**Drinking Water**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC882143 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.53	08/20/20	08/20/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882144**	**Batch:**	**251376**
Matrix:	**Drinking Water**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC882144 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	43.91	50.00	ug/L	88%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC882145**	**Batch:**	**251376**
Matrix (Source ID):	**Drinking Water (432439-001)**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC882145 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	48.78	1.165	50.00	ug/L	95%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882146**	**Batch:**	**251376**
Matrix (Source ID):	**Drinking Water (432439-001)**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC882146 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	48.30	1.165	50.00	ug/L	94%		80-120	1	15	1

Type:	**Blank**	**Lab ID:**	**QC882177**	**Batch:**	**251384**
Matrix:	**Drinking Water**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC882177 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.094	08/20/20	08/20/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882178**	**Batch:**	**251384**
Matrix:	**Drinking Water**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC882178 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.209	5.000	ug/L	104%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC882179**	**Batch:**	**251384**
Matrix (Source ID):	**Drinking Water (432404-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC882179 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.400	ND	5.000	ug/L	108%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882180**	**Batch:**	**251384**
Matrix (Source ID):	**Drinking Water (432404-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC882180 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.414	ND	5.000	ug/L	108%		75-125	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC882181**	**Batch:**	**251384**
Matrix (Source ID):	**Drinking Water (432405-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC882181 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.708	ND	5.000	ug/L	114%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882182**	**Batch:**	**251384**
Matrix (Source ID):	**Drinking Water (432405-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC882182 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.317	ND	5.000	ug/L	106%		75-125	7	20	1

Type:	**Blank**	**Lab ID:**	**QC882187**	**Batch:**	**251387**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC882187 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/20/20	08/20/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882188**	**Batch:**	**251387**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC882188 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.330	2.500	mg/L	93%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC882189	Batch:	251387
Matrix (Source ID):	Water (432384-001)	Method:	SM 4500-NH3-G	Prep Method:	METHOD

QC882189 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	25.30	13.90	12.50	mg/L	91%		80-120	13

Type:	Matrix Spike Duplicate	Lab ID:	QC882190	Batch:	251387
Matrix (Source ID):	Water (432384-001)	Method:	SM 4500-NH3-G	Prep Method:	METHOD

QC882190 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	25.20	13.90	12.50	mg/L	90%		80-120	0	20	13

Type:	Blank	Lab ID:	QC882407	Batch:	251462
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC882407 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/28/20	08/28/20

Type:	Sample Duplicate	Lab ID:	QC882408	Batch:	251462
Matrix (Source ID):	Water (432300-002)	Method:	SM2540D	Prep Method:	METHOD

QC882408 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	ND	342.0	mg/L			5	1

Type:	Blank	Lab ID:	QC882531	Batch:	251497
Matrix:	Water	Method:	SM 4500-CL-G		

QC882531 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	08/22/20 10:52	08/22/20 10:52

Type:	Lab Control Sample	Lab ID:	QC882532	Batch:	251497
Matrix:	Water	Method:	SM 4500-CL-G		

QC882532 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.034	1.000	mg/L	103%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate **Lab ID:** QC882533 **Batch:** 251497
Matrix (Source ID): Water (432576-001) **Method:** SM 4500-CL-G

QC882533 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank **Lab ID:** QC882633 **Batch:** 251531
Matrix: Water **Method:** SM5540C

QC882633 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	08/21/20 10:00	08/21/20 18:59

Type: Lab Control Sample **Lab ID:** QC882634 **Batch:** 251531
Matrix: Water **Method:** SM5540C

QC882634 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9750	1.000	mg/L	98%		90-110

Type: Matrix Spike **Lab ID:** QC882635 **Batch:** 251531
Matrix (Source ID): Water (432518-001) **Method:** SM5540C

QC882635 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9960	ND	1.000	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC882636 **Batch:** 251531
Matrix (Source ID): Water (432518-001) **Method:** SM5540C

QC882636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9880	ND	1.000	mg/L	96%		80-120	1	20	1

Type: Blank **Lab ID:** QC882664 **Batch:** 251545
Matrix: Water **Method:** SM 4500-F-C

QC882664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.10	0.0030	08/24/20	08/24/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC882665 **Batch:** 251545
Matrix: Water **Method:** SM 4500-F-C

QC882665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	1.040	1.000	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC882666 **Batch:** 251545
Matrix (Source ID): Water (432518-001) **Method:** SM 4500-F-C

QC882666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.650	0.6120	1.000	mg/L	104%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC882667 **Batch:** 251545
Matrix (Source ID): Water (432518-001) **Method:** SM 4500-F-C

QC882667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.650	0.6120	1.000	mg/L	104%		75-125	0	20	1

Type: Blank **Lab ID:** QC882828 **Batch:** 251597
Matrix: Water **Method:** SM2540C **Prep Method:** METHOD

QC882828 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/24/20	08/24/20

Type: Lab Control Sample **Lab ID:** QC882829 **Batch:** 251597
Matrix: Water **Method:** SM2540C **Prep Method:** METHOD

QC882829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	101.0	100.0	mg/L	101%		90-110

Type: Sample Duplicate **Lab ID:** QC882830 **Batch:** 251597
Matrix (Source ID): Drinking Water (432470-024) **Method:** SM2540C **Prep Method:** METHOD

QC882830 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	330.0	328.0	mg/L		1	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882882	**Batch:** 251611
Matrix: Drinking Water	**Method:** SM2320B	**Prep Method:** METHOD

QC882882 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/24/20	08/24/20
Carbonate	ND		mg/L	5.0		08/24/20	08/24/20
Hydroxide	ND		mg/L	5.0		08/24/20	08/24/20
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/24/20	08/24/20

Type: Lab Control Sample	**Lab ID:** QC882883	**Batch:** 251611
Matrix: Drinking Water	**Method:** SM2320B	**Prep Method:** METHOD

QC882883 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	96.24	100.0	mg/L	96%		90-110

Type: Sample Duplicate	**Lab ID:** QC882884	**Batch:** 251611
Matrix (Source ID): Drinking Water (432404-002)	**Method:** SM2320B	**Prep Method:** METHOD

QC882884 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	337.0	337.0	mg/L		0	20	2.5
Carbonate	ND	ND	mg/L			20	2.5
Hydroxide	ND	ND	mg/L			20	2.5
Alkalinity, Total as CaCO3	276.3	276.0	mg/L		0	20	2.5

Type: Blank	**Lab ID:** QC882930	**Batch:** 251646
Matrix: Water	**Method:** SM 5310B	

QC882930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.091	08/25/20	08/25/20

Type: Lab Control Sample	**Lab ID:** QC882931	**Batch:** 251646
Matrix: Water	**Method:** SM 5310B	

QC882931 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	10.39	10.00	mg/L	104%		80-120

Type: Matrix Spike	**Lab ID:** QC882932	**Batch:** 251646
Matrix (Source ID): Sea Water (432658-002)	**Method:** SM 5310B	

QC882932 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	22.13	1.785	20.00	mg/L	102%		80-120	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882933**
Matrix (Source ID):	**Sea Water (432658-002)**	**Method:**	**SM 5310B**

Batch: 251646

QC882933 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	22.61	1.785	20.00	mg/L	104%		80-120	2	20	2

Type:	**Blank**	**Lab ID:**	**QC883038**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**

Batch: 251694

QC883038 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/25/20	08/25/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC883039**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**

Batch: 251694

QC883039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4320	0.4000	mg/L	108%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC883040**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**SM 4500-P-B5-E**

Batch: 251694

QC883040 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.5480	0.05700	0.4000	mg/L	123%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883041**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**SM 4500-P-B5-E**

Batch: 251694

QC883041 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5130	0.05700	0.4000	mg/L	114%		75-125	7	20	1

Type:	**Blank**	**Lab ID:**	**QC883194**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**

Batch: 251758

QC883194 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/26/20	08/27/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC883195	Batch: 251758
Matrix: Water	Method: SM 4500-NH3-G	

QC883195 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.520	2.500	mg/L	101%		80-120

Type: Matrix Spike	Lab ID: QC883196	Batch: 251758
Matrix (Source ID): Water (432518-001)	Method: SM 4500-NH3-G	

QC883196 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.560	ND	2.500	mg/L	102%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC883197	Batch: 251758
Matrix (Source ID): Water (432518-001)	Method: SM 4500-NH3-G	

QC883197 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.560	ND	2.500	mg/L	102%		80-120	0	20	1

Type: Blank	Lab ID: QC883337	Batch: 251800
Matrix: Water	Method: SM 4500-CN-E	Prep Method: METHOD

QC883337 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0022	08/27/20	08/27/20

Type: Lab Control Sample	Lab ID: QC883338	Batch: 251800
Matrix: Water	Method: SM 4500-CN-E	Prep Method: METHOD

QC883338 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.2090	0.2000	mg/L	105%		73-123

Type: Matrix Spike	Lab ID: QC883339	Batch: 251800
Matrix (Source ID): Water (432391-001)	Method: SM 4500-CN-E	Prep Method: METHOD

QC883339 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1950	ND	0.2000	mg/L	98%		56-129	1

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883340**	**Batch:**	**251800**
Matrix (Source ID):	**Water (432391-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC883340 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1950	ND	0.2000	mg/L	98%		56-129	0	37	1

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Laboratory Job Number 432455

Subcontracted Products

AmeriSci

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 #:

From: Lateef McIntosh
AmeriSci Job #: 920081615
Subject: Water (waste) 5 day Results
Client Project: EO-432455

Email: incomingreports@enthalpy.com,patrick.mccarthy@enthalpy.com

Date: Thursday, August 27, 2020
Time: 13:42:39
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 #: **920081615**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

EO-432455

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	432455-001 SMBRP-12	0.01	6	NSD	NSD	0.17	<0.17	<0.17	----
02	432455-002 MCWP-MW09	0.02	6	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: 8/26/2020
Lateef McIntosh

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Taylor Brule
PO #: 1056016

Enthalpy Order: EO-432455
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

920081615

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:
EPA 100.1

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	19-AUG-2020 00:00	432455-001	1	Water	Asbestos	EPA 100.1
MCWP-MW09	19-AUG-2020 00:00	432455-002	1	Water	Asbestos	EPA 100.1

Notes:	Relinquished By:	Received By:
	Sam Ramirez	
	Date: 8/20/20 1615	Date: 8/20/20 1615 6°C
	Date:	Date:
	Date:	Date:

Laboratory Job Number 432455

Subcontracted Products

Eurofins CalScience

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-36451-1
Client Project/Site: 432455

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/27/2020 3:50:15 PM

Xuan Dang, Project Manager I
(714)895-5494
Xuan.Dang@eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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: 432455

Job ID: 570-36451-1

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.
s	Seeded Control Blank (SCB) Recovery High

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Enthalpy Analytical LLC
Project/Site: 432455

Job ID: 570-36451-1

Job ID: 570-36451-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-36451-1

Comments
No additional comments.

Receipt
The samples were received on 8/20/2020 3:45 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

Receipt Exceptions

The laboratory received 1 Liter clear glass with Sulfuric acid instead of 1 Liter amber glass with Sulfuric acid container for 1664 analysis on the following sample: SMBRP-12 (570-36451-1) and MCWP-MW09 (570-36451-2). The client was contacted regarding this issue, and the laboratory was instructed to proceed with analysis.

GC Semi VOA
No analytical or quality issues were noted, other than those described 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 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-89909. LCS/LCSD was performed 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: 432455

Job ID: 570-36451-1

Client Sample ID: SMBRP-12 — Lab Sample ID: 570-36451-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	3.99	J	4.17	2.43	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW09 — Lab Sample ID: 570-36451-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Project/Site: 432455

Job ID: 570-36451-1

General Chemistry

Client Sample ID: SMBRP-12
Date Collected: 08/19/20 00:00
Date Received: 08/20/20 15:45

Lab Sample ID: 570-36451-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.10	0.883	mg/L		08/24/20 11:47	08/24/20 11:47	1
Biochemical Oxygen Demand	**3.99**	**J**	4.17	2.43	mg/L			08/20/20 21:20	1

Client Sample ID: MCWP-MW09
Date Collected: 08/19/20 00:00
Date Received: 08/20/20 15:45

Lab Sample ID: 570-36451-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.23	0.984	mg/L		08/24/20 11:47	08/24/20 11:47	1
Biochemical Oxygen Demand	ND		1.25	0.730	mg/L			08/20/20 21:20	1

Client: Enthalpy Analytical LLC
Project/Site: 432455

Job ID: 570-36451-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-89909/1-A
Matrix: Water
Analysis Batch: 89961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/24/20 11:47	08/24/20 11:47	1

Lab Sample ID: LCS 570-89909/2-A
Matrix: Water
Analysis Batch: 89961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	37.50		mg/L		94	78 - 114

Lab Sample ID: LCSD 570-89909/3-A
Matrix: Water
Analysis Batch: 89961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89909

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	37.20		mg/L		93	78 - 114	1	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-90283/2
Matrix: Water
Analysis Batch: 90283

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	1.462	s	0.833	0.487	mg/L			08/20/20 21:20	1

Lab Sample ID: USB 570-90283/1
Matrix: Water
Analysis Batch: 90283

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			08/20/20 21:20	1

Lab Sample ID: LCS 570-90283/3
Matrix: Water
Analysis Batch: 90283

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	196.9		mg/L		99	84.6 - 115.4

Lab Sample ID: 570-36350-N-2 DU
Matrix: Water
Analysis Batch: 90283

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	ND		ND		mg/L		NC	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 432455

Job ID: 570-36451-1

General Chemistry

Prep Batch: 89909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36451-1	SMBRP-12	Total/NA	Water	1664A	
570-36451-2	MCWP-MW09	Total/NA	Water	1664A	
MB 570-89909/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-89909/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-89909/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 89961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36451-1	SMBRP-12	Total/NA	Water	1664A	89909
570-36451-2	MCWP-MW09	Total/NA	Water	1664A	89909
MB 570-89909/1-A	Method Blank	Total/NA	Water	1664A	89909
LCS 570-89909/2-A	Lab Control Sample	Total/NA	Water	1664A	89909
LCSD 570-89909/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	89909

Analysis Batch: 90283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36451-1	SMBRP-12	Total/NA	Water	SM5210B	
570-36451-2	MCWP-MW09	Total/NA	Water	SM5210B	
SCB 570-90283/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-90283/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-90283/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-36350-N-2 DU	Duplicate	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 432455

Job ID: 570-36451-1

Client Sample ID: SMBRP-12

Date Collected: 08/19/20 00:00
Date Received: 08/20/20 15:45

Lab Sample ID: 570-36451-1

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			906 mL	1000 mL	89909	08/24/20 11:47	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			89961	08/24/20 11:47	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	60 mL	300 mL	90283		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/20/20 21:20		
								(End) 08/25/20 16:25		

Client Sample ID: MCWP-MW09

Date Collected: 08/19/20 00:00
Date Received: 08/20/20 15:45

Lab Sample ID: 570-36451-2

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			813 mL	1000 mL	89909	08/24/20 11:47	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			89961	08/24/20 11:47	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	200 mL	300 mL	90283		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/20/20 21:20		
								(End) 08/25/20 16:25		

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: 432455

Job ID: 570-36451-1

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
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 432455

Job ID: 570-36451-1

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: 432455

Job ID: 570-36451-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-36451-1	SMBRP-12	Water	08/19/20 00:00	08/20/20 15:45	
570-36451-2	MCWP-MW09	Water	08/19/20 00:00	08/20/20 15:45	

36451

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1432
ATTN: Xuan Dang
PO #: 1056015

Enthalpy Order: EO-432455
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

570-36451 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	19-AUG-2020 00:00	432455-001	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
			1	Water	BOD	
MCWP-MW09	19-AUG-2020 00:00	432455-002	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
			1	Water	BOD	

Notes:	Relinquished By:	Received By:
	Say Kaw	ECI
	Date: 8/20/20 1545	Date: 8-20-2020 15:45
	Date:	Date:
	Date:	Date:

3.9/3.5 SC6

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-36451-1

Login Number: 36451
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.	False	Improper containers received.
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	

Laboratory Job Number 432455

Subcontracted Products

Enthalpy - Wilmington

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # EO-432455
Sample Received: 08/21/20

Analytical Report
0820-744

EPA Method 1613B

2,3,7,8-TCDD

Enthalpy Analytical, LLC – Ultratrace
Lindsay Boone
O: (910) 212-5855 / F: 910-212-5866
lboone@enthalpy.com / 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 20 pages.

Valgena Respass

QA Review Performed by – Valgena Respass

Report Issued Date: 31-Aug-20

ENTHALPY ANALYTICAL

Summary of Results

ENTHALPY ANALYTICAL

Summary of Results: I-TEF TEQ

Enthalpy Ultratrace Batch # 11102

Method 1613B

Analyte	Method Blank pg/L	SMBRP-12 pg/L	MCWP-MW09 pg/L
2,3,7,8-TCDD	(0.0649)	(1.46)	(1.48)
ND = (DL) EMPC = [ ]			
ITEF TEQ (ND=0; EMPC=0)	0.00	0.00	0.00
ITEF TEQ (ND=0; EMPC=EMPC)	0.00	0.00	0.00
ITEF TEQ (ND=EDL/2; EMPC=0)	0.0938	1.95	2.21
ITEF TEQ (ND=EDL/2; EMPC=EMPC)	0.0938	1.95	2.21
ITEF TEQ (ND=EDL; EMPC=EMPC)	0.188	3.90	4.42
Lab Sample ID	LMB_11102_DF	0820-744_11102_001	0820-744_11102_002

ENTHALPY ANALYTICAL

Summary of Results: WHO-2005 TEF TEQ

Enthalpy Ultratrace Batch # 11102

Method 1613B

Analyte	Method Blank pg/L	SMBRP-12 pg/L	MCWP-MW09 pg/L
2,3,7,8-TCDD	(0.0649)	(1.46)	(1.48)
ND = (DL) EMPC = [ ]			
WHO-2005 TEQ (ND=0; EMPC=0)	0.00	0.00	0.00
WHO-2005 TEQ (ND=0; EMPC=EMPC)	0.00	0.00	0.00
WHO-2005 TEQ (ND=EDL/2; EMPC=0)	0.115	2.34	2.72
WHO-2005 TEQ (ND=EDL/2; EMPC=EMPC)	0.115	2.34	2.72
WHO-2005 TEQ (ND=EDL; EMPC=EMPC)	0.230	4.68	5.44
Lab Sample ID	LMB_11102_DF	0820-744_11102_001	0820-744_11102_002

ENTHALPY ANALYTICAL

Summary of Results: Totals

Enthalpy Ultratrace Batch # 11102

Method 1613B

Analyte	Method Blank pg/L	SMBRP-12 pg/L	MCWP-MW09 pg/L
Totals			
TCDDs	(0.0649)	(1.46)	(1.48)

ND = (EDL) EMPC = [ ]

Detailed Results

SMBRP-12						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	SMBRP-12		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	EO-432455		**Sample Collection Date:**	**8/19/2020**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0820-744**	**Matrix:**	**Aqueous**	**Date Received:**	**21-Aug-20**		
Lab Sample ID:	**0820-744_11102_001**	**Weight/Volume:**	**1.00**	**Date Extracted:**	**21-Aug-20**		
QC Batch #:	**11102**	**Split Factor:**	**1**	**Date Analyzed:**	**24-Aug-20**		
Dilution:	**-**			**Time Analyzed:**	**14:34:45**		

Analyte	Conc. (pg/L)	EDL (pg)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.46		U	ES 2,3,7,8-TCDD	71.6	
					CS 37Cl-2378-TCDD	87.1	
					AS 1368-TCDD	87.5	

MCWP-MW09							Detailed Results - Method 1613B
Client Details							
Client Sample ID: MCWP-MW09			**Client Name: Enthalpy-Orange**				
Client Project ID: EO-432455			**Sample Collection Date: 8/19/2020**			**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	0820-744	**Matrix:**	Aqueous	**Date Received:**	21-Aug-20		
Lab Sample ID:	0820-744_11102_002	**Weight/Volume:**	1.02	**Date Extracted:**	21-Aug-20		
QC Batch #:	11102	**Split Factor:**	1	**Date Analyzed:**	24-Aug-20		
Dilution:	-			**Time Analyzed:**	15:23:20		

Analyte	Conc. (pg/L)	EDL (pg)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	1.48		U	ES 2,3,7,8-TCDD	67.2	
					CS 37Cl-2378-TCDD	79.2	
					AS 1368-TCDD	78.0	

QC Data

OPR	Detailed Results - Method 1613B

RRFs: ICAL

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_11102_DF	Final Vol. (uL)	20.0	Date Extracted:	21-Aug-20
QC Batch #:	11102	Split Factor:	1	Date Analyzed:	24-Aug-20
Dilution:	-			Time Analyzed:	10:30:49

Analyte	Conc. (pg/uL)	EDL (pg/uL)	EMPC (pg/uL)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	9.79	0.121			ES 2,3,7,8-TCDD	82.5	
					CS 37Cl-2378-TCDD	86.1	
Total TCDDs	43.8	0.121	43.8		CS 12347-PeCDD	79.2	
					AS 1368-TCDD	84.6	

Method Blank	Detailed Results - Method 1613B

RRFs: ICAL

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_11102_DF	Weight/Volume:	1.00	Date Extracted:	21-Aug-20
QC Batch #:	11102	Split Factor:	1	Date Analyzed:	24-Aug-20
Dilution:	-			Time Analyzed:	12:08:41

Analyte	Conc. (pg/L)	EDL (pg)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.0649		U	ES 2,3,7,8-TCDD	75.9	
					CS 37Cl-2378-TCDD	83.5	
Total TCDDs	ND	0.0649	ND	U	CS 12347-PeCDD	75.2	
					AS 1368-TCDD	87.2	

OPR Demonstration Data (TCDD Only)

Batch ID#: 11102 **Method 1613B**

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	83	25	141	Y
					CS 2,3,7,8-TCDD	9	3.7	15.8	Y

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy - Orange
Job#	0820-744 EPA Method 1613B
Client Project #	EO-432455

Custody	Caity Hayes of Enthalpy Analytical Wilmington received the samples (via FedEx) on ice on 08/21/20 at 2.4°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 2,3,7,8-TCDD 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 samples with Extraction Standard (ES), then extracted by liquid-liquid extraction with methylene chloride. After solvent exchange, each extract was spiked with Alternate Standard (AS) and Clean Up Standard (CS). Cleanup procedures were performed on the remaining half of each extract. Each final sample extract was transferred to an autosampler vial and spiked with 20 µL of Injection Standard (JS), prior to analysis.
Calibration	In the initial calibration, the analytes exhibited RSDs less than 20% and labeled standards exhibited RSDs of no more than 30%. The standard analytes, continuing calibration (concal) and Initial Calibration Verification (ICV) met the 20% criterion for native analytes.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. Labeled and sampling (surrogate) standard recovery values in the Ongoing Precision Recovery (OPR) and method blank were acceptable. The sample was extracted within the 30-day from collection holding time and analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	Any deviations from the requirements of the reference method or TNI Standard have been stated above. The results presented in this report are representative of the samples as provided to the laboratory. Enthalpy Analytical, LLC in Wilmington NC is accredited by the Louisiana Department of Environmental Quality to the 2009 TNI Standard under certificate number 05075.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, LLC - Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- Cxx – 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 ('xx') 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). For HRMS data, this condition does not imply additional measurement uncertainty. For LC-MS/MS data, these values should be considered as having measurement uncertainty higher than values within the calibration range.
- EDL – Estimated Detection Level. Specific to Dioxin/Furan tests and equivalent to MDL
- EMPC – Estimated Maximum Possible Concentration Specific to Dioxin/Furan tests to indicate the signal/noise ratio wass not sufficient for peak identification (the determined ion-abundance ratio was outside the allowed theoretical range), or where there was a co-eluting interference. Indicates that a peak was identified but did not meet the method specified ion-abundance ratio.
- IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria therefore the actual analyte concentration cannot be accurately determined as defined by DoD QSM Table B-15.
- J – The analyte has a concentration below the minimum calibration level (LOQ value) but greater than the LOD. These values should be considered as having measurement uncertainty higher than values within the calibration range
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL). The reported concentration is not recommended for regulatory use as the analyte signal may have a signal-to-noise ratio less than the criteria deemed necessary to be considered a detected analyte.
- LOD – Limit of Detection: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOD. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the minimum detection limit (MDL). The LOD is adjusted for sample weight or volume.
- LOQ – Limit of Quantiation: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOQ. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the reporting limit (RL). The LOD is adjusted for sample weight or volume.
- <LOD() – Analyte was not found at a concentration high enough to be reported as detected. It is reported as less than the LOD, and the LOD is given in the parentheses.

- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable due to issues observed in sample preparation or analysis.
- PR – The associated congener(s) is(are) poorly resolved.
- QI – Indicates the presence of a quantitative interference.
- RL – Reporting Limit. Lowest reportable value. The level is higher than the MDL.
- 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.
- V – The labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.

Lab Identifiers/ Data Attributes

- 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 – Dilution Data. Result was obtained from the analysis of a dilution. 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.
- R – Indicates a re-extraction of the sample.

Sample Custody

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Enthalpy - Wilmington
2714 Exchange Drive
Wilmington, NC 28405
ATTN: Bryan Vining
PO #: 1056018

0820-744

Enthalpy Order: EO-432455
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	19-AUG-2020 00:00	432455-001	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW09	19-AUG-2020 00:00	432455-002	1	Water	EPA 1613 - 2,3,7,8-TCDD only	

Notes:	Relinquished By:	Received By:
Fedex 771314975731, No seals, melted ice, good condition CH 8/21/20		FedEx 7713 1497 5731
	Date: 8/20/20 1200	Date: 8/20/20
		Cathy Haynes
	Date:	Date: 8/21/20 2.4°C T9
		10:30
	Date:	Date:

This Is The Last Page Of This Report.

Laboratory Job Number 432455

Subcontracted Products

Pace Labs - PA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 15, 2020

Ranjit Clarke
Enthalpy Analytical
806 N. Batavia St.
Orange, CA 92868

RE: Project: EO-432455
Pace Project No.: 30378933

Dear Ranjit Clarke:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: EO-432455
Pace Project No.: 30378933

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: EO-432455
Pace Project No.: 30378933

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30378933001	**SMBRP-12**	Water	08/19/20 10:15	08/21/20 10:20
30378933002	**MCWP-MW09**	Water	08/19/20 10:40	08/21/20 10:20

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE ANALYTE COUNT

Project: EO-432455
Pace Project No.: 30378933

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30378933001	**SMBRP-12**	EPA 900.0	CLA	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	LAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA
30378933002	**MCWP-MW09**	EPA 900.0	CLA	2	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

Sample: SMBRP-12 **Lab ID: 30378933001** Collected: 08/19/20 10:15 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5.0 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**4.65 ± 4.54 (8.04) C:NA T:NA**	pCi/L	09/09/20 19:43	12587-46-1	
Gross Beta	EPA 900.0	**17.2 ± 4.83 (5.77) C:NA T:NA**	pCi/L	09/09/20 19:43	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.187 ± 0.449 (0.867) C:NA T:81%**	pCi/L	09/09/20 15:17	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.637 ± 0.473 (0.918) C:59% T:84%**	pCi/L	09/08/20 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-0.0700 ± 1.11 (2.25) C:96% T:NA**	pCi/L	09/02/20 17:51	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**0.000 ± 128 (226) C:NA T:NA**	pCi/L	09/06/20 02:47	10028-17-8	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**0.657 ± 0.024 (0.262) C:NA T:NA**	ug/L	09/11/20 12:47	7440-61-1	

Sample: MCWP-MW09 **Lab ID: 30378933002** Collected: 08/19/20 10:40 Received: 08/21/20 10:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5.0 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**1.74 ± 4.76 (9.77) C:NA T:NA**	pCi/L	09/09/20 18:38	12587-46-1	
Gross Beta	EPA 900.0	**10.8 ± 4.32 (6.53) C:NA T:NA**	pCi/L	09/09/20 18:38	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.104 ± 0.372 (0.843) C:68% T:81%**	pCi/L	09/08/20 14:54	15262-20-1	
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**-7.50 ± 128 (226) C:NA T:NA**	pCi/L	09/06/20 03:48	10028-17-8	
	Pace Analytical Services - Greensburg					
Total Uranium	ASTM D5174-97	**1.34 ± 0.049 (0.262) C:NA T:NA**	ug/L	09/11/20 12:51	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

QC Batch: 412252
QC Batch Method: ASTM D5174-97
Analysis Method: ASTM D5174-97
Analysis Description: D5174.97 Total Uranium KPA
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378933001, 30378933002

METHOD BLANK: 1994107 Matrix: Water
Associated Lab Samples: 30378933001, 30378933002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	-0.018 ± -0.002 (0.262) C:NA T:NA	ug/L	09/11/20 12:16	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

QC Batch: 411821
QC Batch Method: ASTM D5811-95
Analysis Method: ASTM D5811-95
Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378933001

METHOD BLANK: 1992081 Matrix: Water
Associated Lab Samples: 30378933001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.328 ± 0.309 (0.648) C:93% T:NA	pCi/L	09/02/20 17:58	N2

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

QC Batch: 412230
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378933001

METHOD BLANK: 1994051 Matrix: Water
Associated Lab Samples: 30378933001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.565 ± 0.474 (0.678) C:NA T:84%	pCi/L	09/09/20 14:41	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

QC Batch: 412668
QC Batch Method: EPA 900.0
Analysis Method: EPA 900.0
Analysis Description: 900.0 Gross Alpha/Beta
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378933001, 30378933002

METHOD BLANK: 1995867
Matrix: Water
Associated Lab Samples: 30378933001, 30378933002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.122 ± 0.208 (0.409) C:NA T:NA	pCi/L	09/09/20 18:41	
Gross Beta	0.358 ± 0.320 (0.589) C:NA T:NA	pCi/L	09/09/20 18:41	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

QC Batch: 412018
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378933001, 30378933002

METHOD BLANK: 1992998 Matrix: Water
Associated Lab Samples: 30378933001, 30378933002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.543 ± 0.383 (0.732) C:71% T:77%	pCi/L	09/08/20 11:29	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432455
Pace Project No.: 30378933

QC Batch: 412033
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30378933001, 30378933002

METHOD BLANK: 1993027 Matrix: Water
Associated Lab Samples: 30378933001, 30378933002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-20.0 ± 127 (226) C:NA T:NA	pCi/L	09/05/20 16:34	

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: EO-432455
Pace Project No.: 30378933

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Labs - PA
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Jacquelyn Collins
PO #: 1056014

Enthalpy Order: EO-432455
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

WO# : 30378933

30378933

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	19-AUG-2020 10:15	432455-001	1	Water	EPA 900.0 Gross Alpha and Beta	
				Water	EPA 903.1 Radium-226	
				Water	EPA 904.0 Radium-228	
				Water	ASTM D5811-95 Strontium	001
				Water	EPA 906.0 Tritium	
				Water	ASTM D5174-97 Uranium	
MCWP-MW09	19-AUG-2020 10:40	432455-002	1	Water	EPA 900.0 Gross Alpha and Beta	
				Water	[redacted]	pCi/L
				Water	EPA 904.0 Radium-228	
				Water	[redacted]	pCi/L 002
				Water	EPA 906.0 Tritium	
				Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FedEx 7713 1645 9010
	Date: 8/20/20 1200	Date: 8/20/20
		[illegible]
	Date:	Date: 8/21/2020 1020
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # # 30378933

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 7713 1645 9610

Label MG

LIMS Login MG

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used NA Type of Ice: Wet Blue None

Cooler Temperature Observed Temp ___ °C Correction Factor: ___ °C Final Temp: ___ °C

Temp should be above freezing to 6°C

pH paper Lot# 101591 Date and Initials of person examining contents: MG 8/24/2020

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:	✓	✓		4. MG 8/24/20
Sample Labels match COC:	✓	✓		5. MG 8/24/20
-Includes date/time/ID Matrix: WT				
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. added 5ml HNO3 to 4 Bottles in sample 1 and added 5ml to 2 bts in sample 2
All containers meet method preservation requirements.		✓		Initial when completed: MG Date/time of preservation: 8/24/20 1500
				Lot # of added preservative: DL20 0841
Headspace in VOA Vials (>6mm):		✓		17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: MG Date: 8/24/2020

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

***PM review** is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Laboratory Job Number 432455

Subcontracted Products

Weck Laboratories, Inc.

WECK LABORATORIES, INC.

Certificate of Analysis

PRELIMINARY REPORT

Work Orders: 0H20069

Project: EO-432455

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/22/2020
Received Date: 8/20/2020
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1056017
Billing Code:

DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • SCAQMD #93LA1006

This is a preliminary report and is produced for review and guidance purpose only and should not be considered final. Information in this report may be missing or may be changed. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories DOES NOT certify that the test results meet all requirements of TNI. Neither Weck Laboratories, Inc. nor any of its employees, contractors, subcontractors, or their employees make any warrant, expressed or implied, or assume any legal liability or responsibility for use of any information inscribed in this report.

Dear Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/20/20 with the Chain-of-Custody document. The samples were received in good condition, at 3.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

DRAFT REPORT
DATA SUBJECT TO CHANGE

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-12, Alias: 432455-001	Client	0H20069-01	Water	08/19/20 00:00	
SMBRP-12 Travel Blank, Alias: 432455-001	Client	0H20069-02	Water	08/19/20 00:00	
MCWP-MW09, Alias: 432455-002	Client	0H20069-03	Water	08/19/20 00:00	
MCWP-MW09 Travel Blank, Alias: 432455-002	Client	0H20069-04	Water	08/19/20 00:00	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

Sample: SMBRP-12, Alias: 432455-001
0H20069-01 (Water)

Sampled: 08/19/20 0:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1451 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/26/20 10:02				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/17/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/17/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/17/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/17/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/17/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/17/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/17/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/17/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/17/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/17/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/17/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/17/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/17/20	
Acenaphthene	ND	1.0	ug/l	1	09/17/20	
Acenaphthylene	ND	1.0	ug/l	1	09/17/20	
Anthracene	ND	1.0	ug/l	1	09/17/20	
Benzidine	ND	10	ug/l	1	09/17/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/17/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/17/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/17/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/17/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/17/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/17/20	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/17/20	
Chrysene	ND	1.0	ug/l	1	09/17/20	

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www.wecklabs.com

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: SMBRP-12, Alias: 432455-001
0H20069-01 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1451 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/26/20 10:02				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/17/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/17/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/17/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/17/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/17/20	
Fluoranthene	ND	1.0	ug/l	1	09/17/20	
Fluorene	ND	1.0	ug/l	1	09/17/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/17/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/17/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/17/20	
Hexachloroethane	ND	1.0	ug/l	1	09/17/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/17/20	
Isophorone	ND	1.0	ug/l	1	09/17/20	
Naphthalene	ND	1.0	ug/l	1	09/17/20	
Nitrobenzene	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/17/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/17/20	
Phenanthrene	ND	1.0	ug/l	1	09/17/20	
Phenol	ND	1.0	ug/l	1	09/17/20	
Pyrene	ND	1.0	ug/l	1	09/17/20	
Surrogate(s)						
2,4,6-Tribromophenol	*54%*	*Conc: 27.2*	*25-120*		*09/17/20*	
2-Fluorobiphenyl	*52%*	*Conc: 13.1*	*22-120*		*09/17/20*	
2-Fluorophenol	*41%*	*Conc: 20.3*	*17-120*		*09/17/20*	
Nitrobenzene-d5	*56%*	*Conc: 14.1*	*47-120*		*09/17/20*	
Phenol-d5	*24%*	*Conc: 12.0*	*12-120*		*09/17/20*	
Terphenyl-d14	*90%*	*Conc: 22.5*	*44-129*		*09/17/20*	
Carbamates and Urea Pesticides						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04				**Analyst:** jan
3-Hydroxycarbofuran	ND	2.0	ug/l	1	09/10/20	
Aldicarb	ND	2.0	ug/l	1	09/10/20	
Aldicarb sulfone	ND	2.0	ug/l	1	09/10/20	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: SMBRP-12, Alias: 432455-001
0H20069-01 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides (Continued)						
Method: EPA 531.2		**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)		**Prepared:** 09/02/20 15:04			**Analyst:** jan	
Aldicarb sulfoxide	ND	2.0	ug/l	1	09/10/20	
Carbaryl	ND	2.0	ug/l	1	09/10/20	
Carbofuran	ND	2.0	ug/l	1	09/10/20	
Methiocarb	ND	2.0	ug/l	1	09/10/20	
Methomyl	ND	2.0	ug/l	1	09/10/20	
Oxamyl	ND	2.0	ug/l	1	09/10/20	
Propoxur (Baygon)	ND	2.0	ug/l	1	09/10/20	
Surrogate(s)						
BDMC	*102%*	*Conc: 10.2*	*70-130*		*09/10/20*	
Chlorinated Acids Herbicides by GC/ECD						
Method: EPA 515.4		**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz		**Prepared:** 09/01/20 08:17			**Analyst:** amw	
2,4,5-T	ND	0.20	ug/l	1	09/02/20	
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	09/02/20	
2,4-D	ND	0.40	ug/l	1	09/02/20	
2,4-DB	ND	2.0	ug/l	1	09/02/20	
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	09/02/20	
Acifluorfen	ND	0.40	ug/l	1	09/02/20	
Bentazon	ND	2.0	ug/l	1	09/02/20	
Dalapon	ND	0.40	ug/l	1	09/02/20	
DCPA	ND	0.10	ug/l	1	09/02/20	
Dicamba	ND	0.60	ug/l	1	09/02/20	
Dichloroprop	ND	0.30	ug/l	1	09/02/20	
Dinoseb	ND	0.40	ug/l	1	09/02/20	
Pentachlorophenol	ND	0.20	ug/l	1	09/02/20	
Picloram	ND	0.60	ug/l	1	09/02/20	
Surrogate(s)						
2,4-DCAA	*103%*	*Conc: 10.3*	*70-130*		*09/02/20*	
Chlorinated Pesticides and/or PCBs by GC/ECD						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21			**Analyst:** AMW	
4,4´-DDD	ND	0.010	ug/l	1	09/03/20	
4,4´-DDE	ND	0.010	ug/l	1	09/03/20	
4,4´-DDT	ND	0.010	ug/l	1	09/03/20	
Aldrin	ND	0.010	ug/l	1	09/03/20	
alpha-BHC	ND	0.010	ug/l	1	09/03/20	

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: SMBRP-12, Alias: 432455-001
0H20069-01 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21				**Analyst:** AMW
Aroclor 1016	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1221	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1232	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1242	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1248	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1254	ND	0.50	ug/l	1	09/03/20	R-01
Aroclor 1260	ND	0.50	ug/l	1	09/03/20	R-01
beta-BHC	ND	0.010	ug/l	1	09/03/20	
Chlordane (tech)	ND	0.10	ug/l	1	09/03/20	
Chlorothalonil	ND	0.050	ug/l	1	09/03/20	
delta-BHC	ND	0.010	ug/l	1	09/03/20	
Dieldrin	ND	0.010	ug/l	1	09/03/20	
Endosulfan I	ND	0.010	ug/l	1	09/03/20	
Endosulfan II	ND	0.010	ug/l	1	09/03/20	
Endosulfan sulfate	ND	0.010	ug/l	1	09/03/20	
Endrin	ND	0.010	ug/l	1	09/03/20	
Endrin aldehyde	ND	0.010	ug/l	1	09/03/20	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/03/20	
Heptachlor	ND	0.010	ug/l	1	09/03/20	
Heptachlor epoxide	ND	0.010	ug/l	1	09/03/20	
Hexachlorobenzene	ND	0.050	ug/l	1	09/03/20	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/03/20	
Methoxychlor	ND	0.010	ug/l	1	09/03/20	
PCBs, Total	ND	0.50	ug/l	1	09/03/20	
Propachlor	ND	0.050	ug/l	1	09/03/20	
Toxaphene	ND	0.50	ug/l	1	09/03/20	R-01
Trifluralin	ND	0.010	ug/l	1	09/03/20	
Surrogate(s)						
Decachlorobiphenyl	*68%*	*Conc: 0.0679*	*70-130*		*09/03/20*	*S-04*
Tetrachloro-meta-xylene	*64%*	*Conc: 0.0643*	*70-130*		*09/03/20*	*S-04*
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 08:20				**Analyst:** jna
Diquat	ND	4.0	ug/l	1	09/01/20	
Paraquat	ND	4.0	ug/l	1	09/01/20	

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: SMBRP-12, Alias: 432455-001
0H20069-01 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	09/01/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1575 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/28/20 08:39				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	09/02/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	09/02/20	
HAA5, Total	ND	1.0	ug/l	1	09/02/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	09/02/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	09/02/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	09/02/20	
Surrogate(s)						
2-Bromobutyric acid	*102%*	*Conc: 10.2*	*70-130*		*09/02/20*	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Alachlor	ND	0.10	ug/l	1	09/04/20	
Atrazine	ND	0.10	ug/l	1	09/04/20	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/04/20	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/04/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/04/20	
Bromacil	ND	0.50	ug/l	1	09/04/20	
Butachlor	ND	0.10	ug/l	1	09/04/20	
Captan	ND	1.0	ug/l	1	09/04/20	BS-04
Chlorpropham	ND	0.10	ug/l	1	09/04/20	
Cyanazine	ND	0.10	ug/l	1	09/04/20	BS-04
Diazinon	ND	0.10	ug/l	1	09/04/20	
Dimethoate	ND	0.20	ug/l	1	09/04/20	BS-04
Diphenamid	ND	0.10	ug/l	1	09/04/20	
Disulfoton	ND	0.10	ug/l	1	09/04/20	
EPTC	ND	0.10	ug/l	1	09/04/20	
Metolachlor	ND	0.10	ug/l	1	09/04/20	
Metribuzin	ND	0.10	ug/l	1	09/04/20	

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Project Number: EO-432455

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Reported: 09/22/2020 09:27

Sample Results

(Continued)

Sample: SMBRP-12, Alias: 432455-001
0H20069-01 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE			**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Molinate	ND		0.10	ug/l	1	09/04/20	
Prometon	ND		0.10	ug/l	1	09/04/20	
Prometryn	ND		0.10	ug/l	1	09/04/20	
Simazine	ND		0.10	ug/l	1	09/04/20	
Terbacil	ND		2.0	ug/l	1	09/04/20	BS-04
Thiobencarb	ND		0.10	ug/l	1	09/04/20	
Trithion	ND		0.10	ug/l	1	09/04/20	BS-04
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*102%*	*Conc: 5.10*	*70-130*			*09/04/20*	
Perylene-d12	*68%*	*Conc: 3.40*	*50-120*			*09/04/20*	
Triphenyl phosphate	*114%*	*Conc: 5.69*	*70-130*			*09/04/20*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T			**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND		0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND		0.020	ug/l	1	08/26/20	

Sample: SMBRP-12, Alias: 432455-001
0H20069-01RE1 (Water)

Sampled: 08/19/20 0:00 by Client

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)			**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND		50	ug/l	10	08/27/20	M-05
Chlorite	ND		100	ug/l	10	08/27/20	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 518*	*90-115*			*08/27/20*	
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)			**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	ND		0.20	ug/l	10	09/02/20	M-05
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625M			**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE			**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND		2.0	ng/l	1	08/31/20	

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: SMBRP-12 Travel Blank, Alias: 432455-001
0H20069-02 (Water)

Sampled: 08/19/20 0:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/26/20	

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002
0H20069-03 (Water)

Sampled: 08/19/20 0:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1451 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/26/20 10:02			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/17/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/17/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/17/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/17/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/17/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/17/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/17/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/17/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/17/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/17/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/17/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/17/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/17/20	
Acenaphthene	ND	1.0	ug/l	1	09/17/20	
Acenaphthylene	ND	1.0	ug/l	1	09/17/20	
Anthracene	ND	1.0	ug/l	1	09/17/20	
Benzidine	ND	10	ug/l	1	09/17/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/17/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/17/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/17/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/17/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/17/20	
Bis(2-ethylhexyl)phthalate	**2.8**	2.0	ug/l	1	09/17/20	BS-H
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/17/20	
Chrysene	ND	1.0	ug/l	1	09/17/20	

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002
0H20069-03 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1451 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/26/20 10:02				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/17/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/17/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/17/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/17/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/17/20	
Fluoranthene	ND	1.0	ug/l	1	09/17/20	
Fluorene	ND	1.0	ug/l	1	09/17/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/17/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/17/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/17/20	
Hexachloroethane	ND	1.0	ug/l	1	09/17/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/17/20	
Isophorone	ND	1.0	ug/l	1	09/17/20	
Naphthalene	ND	1.0	ug/l	1	09/17/20	
Nitrobenzene	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/17/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/17/20	
Phenanthrene	ND	1.0	ug/l	1	09/17/20	
Phenol	ND	1.0	ug/l	1	09/17/20	
Pyrene	ND	1.0	ug/l	1	09/17/20	
Surrogate(s)						
2,4,6-Tribromophenol	*64%*	*Conc: 32.2*	*25-120*		*09/17/20*	
2-Fluorobiphenyl	*72%*	*Conc: 17.9*	*22-120*		*09/17/20*	
2-Fluorophenol	*59%*	*Conc: 29.7*	*17-120*		*09/17/20*	
Nitrobenzene-d5	*78%*	*Conc: 19.4*	*47-120*		*09/17/20*	
Phenol-d5	*37%*	*Conc: 18.4*	*12-120*		*09/17/20*	
Terphenyl-d14	*97%*	*Conc: 24.2*	*44-129*		*09/17/20*	
Anions by IC, EPA Method 300.1						
Method: EPA 300.1		**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)		**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND	5.0	ug/l	1	08/27/20	
Surrogate(s)						
Dichloroacetate	*105%*	*Conc: 523*	*90-115*		*08/27/20*	

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931 West Barkley Avenue
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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002
0H20069-03 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)			**Prepared:** 09/02/20 15:04				**Analyst:** jan
3-Hydroxycarbofuran	ND		2.0	ug/l	1	09/10/20	
Aldicarb	ND		2.0	ug/l	1	09/10/20	
Aldicarb sulfone	ND		2.0	ug/l	1	09/10/20	
Aldicarb sulfoxide	ND		2.0	ug/l	1	09/10/20	
Carbaryl	ND		2.0	ug/l	1	09/10/20	
Carbofuran	ND		2.0	ug/l	1	09/10/20	
Methiocarb	ND		2.0	ug/l	1	09/10/20	
Methomyl	ND		2.0	ug/l	1	09/10/20	
Oxamyl	ND		2.0	ug/l	1	09/10/20	
Propoxur (Baygon)	ND		2.0	ug/l	1	09/10/20	
Surrogate(s)							
BDMC	*96%*	*Conc: 9.61*	*70-130*			*09/10/20*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 09/01/20 08:17				**Analyst:** amw
2,4,5-T	ND		0.20	ug/l	1	09/03/20	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	09/03/20	
2,4-D	ND		0.40	ug/l	1	09/03/20	
2,4-DB	ND		2.0	ug/l	1	09/03/20	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	09/03/20	
Acifluorfen	ND		0.40	ug/l	1	09/03/20	
Bentazon	ND		2.0	ug/l	1	09/03/20	
Dalapon	ND		0.40	ug/l	1	09/03/20	
DCPA	ND		0.10	ug/l	1	09/03/20	
Dicamba	ND		0.60	ug/l	1	09/03/20	
Dichloroprop	ND		0.30	ug/l	1	09/03/20	
Dinoseb	ND		0.40	ug/l	1	09/03/20	
Pentachlorophenol	ND		0.20	ug/l	1	09/03/20	
Picloram	ND		0.60	ug/l	1	09/03/20	
Surrogate(s)							
2,4-DCAA	*100%*	*Conc: 9.98*	*70-130*			*09/03/20*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508			**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF			**Prepared:** 08/21/20 12:21				**Analyst:** AMW
4,4´-DDD	ND		0.010	ug/l	1	09/03/20	
4,4´-DDE	ND		0.010	ug/l	1	09/03/20	

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Reported:
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Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002
0H20069-03 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1227 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/21/20 12:21				**Analyst:** AMW
4,4´-DDT	ND	0.010	ug/l	1	09/03/20	
Aldrin	ND	0.010	ug/l	1	09/03/20	
alpha-BHC	ND	0.010	ug/l	1	09/03/20	
Aroclor 1016	ND	0.10	ug/l	1	09/03/20	
Aroclor 1221	ND	0.10	ug/l	1	09/03/20	
Aroclor 1232	ND	0.10	ug/l	1	09/03/20	
Aroclor 1242	ND	0.10	ug/l	1	09/03/20	
Aroclor 1248	ND	0.10	ug/l	1	09/03/20	
Aroclor 1254	ND	0.10	ug/l	1	09/03/20	
Aroclor 1260	ND	0.10	ug/l	1	09/03/20	
beta-BHC	ND	0.010	ug/l	1	09/03/20	
Chlordane (tech)	ND	0.10	ug/l	1	09/03/20	
Chlorothalonil	ND	0.050	ug/l	1	09/03/20	
delta-BHC	ND	0.010	ug/l	1	09/03/20	
Dieldrin	ND	0.010	ug/l	1	09/03/20	
Endosulfan I	ND	0.010	ug/l	1	09/03/20	
Endosulfan II	ND	0.010	ug/l	1	09/03/20	
Endosulfan sulfate	ND	0.010	ug/l	1	09/03/20	
Endrin	ND	0.010	ug/l	1	09/03/20	
Endrin aldehyde	ND	0.010	ug/l	1	09/03/20	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/03/20	
Heptachlor	ND	0.010	ug/l	1	09/03/20	
Heptachlor epoxide	ND	0.010	ug/l	1	09/03/20	
Hexachlorobenzene	ND	0.050	ug/l	1	09/03/20	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/03/20	
Methoxychlor	ND	0.010	ug/l	1	09/03/20	
PCBs, Total	ND	0.50	ug/l	1	09/03/20	
Propachlor	ND	0.050	ug/l	1	09/03/20	
Toxaphene	ND	0.50	ug/l	1	09/03/20	
Trifluralin	ND	0.010	ug/l	1	09/03/20	
Surrogate(s)						
Decachlorobiphenyl	*81%*	*Conc: 0.0808*	*70-130*		*09/03/20*	
Tetrachloro-meta-xylene	*84%*	*Conc: 0.0837*	*70-130*		*09/03/20*	
Diquat and Paraquat by EPA 549.2						

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Project Number: EO-432455

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Reported: 09/22/2020 09:27

Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002
0H20069-03 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 08:20				**Analyst:** jna
Diquat	ND	4.0	ug/l	1	09/01/20	
Paraquat	ND	4.0	ug/l	1	09/01/20	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	09/01/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1575 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/28/20 08:39				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	09/02/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	09/02/20	
HAA5, Total	ND	1.0	ug/l	1	09/02/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	09/02/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	09/02/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	09/02/20	
Surrogate(s)						
2-Bromobutyric acid	*97%*	*Conc: 9.72*	*70-130*		*09/02/20*	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Alachlor	ND	0.10	ug/l	1	09/04/20	
Atrazine	ND	0.10	ug/l	1	09/04/20	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/04/20	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/04/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/04/20	
Bromacil	ND	0.50	ug/l	1	09/04/20	
Butachlor	ND	0.10	ug/l	1	09/04/20	
Captan	ND	1.0	ug/l	1	09/04/20	BS-04
Chlorpropham	ND	0.10	ug/l	1	09/04/20	
Cyanazine	ND	0.10	ug/l	1	09/04/20	BS-04
Diazinon	ND	0.10	ug/l	1	09/04/20	
Dimethoate	ND	0.20	ug/l	1	09/04/20	BS-04

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Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002
0H20069-03 (Water)

Sampled: 08/19/20 0:00 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Diphenamid	ND	0.10	ug/l	1	09/04/20	
Disulfoton	ND	0.10	ug/l	1	09/04/20	
EPTC	ND	0.10	ug/l	1	09/04/20	
Metolachlor	ND	0.10	ug/l	1	09/04/20	
Metribuzin	ND	0.10	ug/l	1	09/04/20	
Molinate	ND	0.10	ug/l	1	09/04/20	
Prometon	ND	0.10	ug/l	1	09/04/20	
Prometryn	ND	0.10	ug/l	1	09/04/20	
Simazine	ND	0.10	ug/l	1	09/04/20	
Terbacil	ND	2.0	ug/l	1	09/04/20	BS-04
Thiobencarb	ND	0.10	ug/l	1	09/04/20	
Trithion	ND	0.10	ug/l	1	09/04/20	BS-04
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*94%*	*Conc: 4.71*	*70-130*		*09/04/20*	
Perylene-d12	*92%*	*Conc: 4.61*	*50-120*		*09/04/20*	
Triphenyl phosphate	*105%*	*Conc: 5.25*	*70-130*		*09/04/20*	
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/26/20	

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Sample Results

(Continued)

Sample: MCWP-MW09, Alias: 432455-002 — Sampled: 08/19/20 0:00 by Client

0H20069-03RE1 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1						
Method: EPA 300.1		**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)		**Prepared:** 08/26/20 09:34				**Analyst:** jan
Chlorite	ND	50	ug/l	5	08/27/20	M-05
Surrogate(s)						
Dichloroacetate	*105%*	*Conc: 524*	*90-115*		*08/27/20*	
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)		**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	ND	0.10	ug/l	5	09/02/20	M-05
Nitrosamines by isotopic dilution GC/MS CI Mode						
Method: EPA 1625M		**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE		**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/31/20	

Sample: MCWP-MW09 Travel Blank, Alias: 432455-002 — Sampled: 08/19/20 0:00 by Client

0H20069-04 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/26/20	

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Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1										
Blank (W0H1451-BLK1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,4,6-Trichlorophenol	ND	1.0	ug/l							
2,4-Dichlorophenol	ND	1.0	ug/l							
2,4-Dimethylphenol	ND	1.0	ug/l							
2,4-Dinitrophenol	ND	5.0	ug/l							
2,4-Dinitrotoluene	ND	1.0	ug/l							
2,6-Dinitrotoluene	ND	1.0	ug/l							
2-Chloronaphthalene	ND	1.0	ug/l							
2-Chlorophenol	ND	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l							
2-Nitrophenol	ND	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	ug/l							
4-Chloro-3-methylphenol	ND	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	1.0	ug/l							
4-Nitrophenol	ND	2.0	ug/l							
Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	1.0	ug/l							
Anthracene	ND	1.0	ug/l							
Benzidine	ND	10	ug/l							
Benzo (a) anthracene	ND	1.0	ug/l							
Benzo (a) pyrene	ND	1.0	ug/l							
Benzo (b) fluoranthene	ND	1.0	ug/l							
Benzo (g,h,i) perylene	ND	1.0	ug/l							
Benzo (k) fluoranthene	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Butyl benzyl phthalate	ND	1.0	ug/l							
Chrysene	ND	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	1.0	ug/l							
Diethyl phthalate	ND	1.0	ug/l							
Dimethyl phthalate	ND	1.0	ug/l							
Di-n-butyl phthalate	ND	1.0	ug/l							

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
Blank (W0H1451-BLK1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
Di-n-octyl phthalate	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	1.0	ug/l							
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	5.0	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
N-Nitrosodimethylamine	ND	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	1.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	1.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	1.0	ug/l							
Surrogate(s)										
2,4,6-Tribromophenol	*26.9*		*ug/l*	*50.0*		*54*	*25-120*			
2-Fluorobiphenyl	*17.3*		*ug/l*	*25.0*		*69*	*22-120*			
2-Fluorophenol	*28.3*		*ug/l*	*50.0*		*57*	*17-120*			
Nitrobenzene-d5	*18.7*		*ug/l*	*25.0*		*75*	*47-120*			
Phenol-d5	*17.5*		*ug/l*	*50.0*		*35*	*12-120*			
Terphenyl-d14	*21.7*		*ug/l*	*25.0*		*87*	*44-129*			
LCS (W0H1451-BS1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
1,2,4-Trichlorobenzene	19.0	1.0	ug/l	25.0		76	57-130			
1,2-Dichlorobenzene	18.6	1.0	ug/l	25.0		74	57-120			
1,3-Dichlorobenzene	18.5	1.0	ug/l	25.0		74	55-120			
1,4-Dichlorobenzene	18.2	1.0	ug/l	25.0		73	55-120			
2,4,6-Trichlorophenol	19.0	1.0	ug/l	25.0		76	52-129			
2,4-Dichlorophenol	20.8	1.0	ug/l	25.0		83	53-122			
2,4-Dimethylphenol	20.4	1.0	ug/l	25.0		81	42-120			
2,4-Dinitrophenol	21.8	5.0	ug/l	25.0		87	0.1-173			
2,4-Dinitrotoluene	20.0	1.0	ug/l	25.0		80	48-127			
2,6-Dinitrotoluene	19.8	1.0	ug/l	25.0		79	68-137			
2-Chloronaphthalene	18.9	1.0	ug/l	25.0		76	65-120			
2-Chlorophenol	20.2	1.0	ug/l	25.0		81	36-120			
2-Methyl-4,6-dinitrophenol	19.5	1.0	ug/l	25.0		78	53-130			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
LCS (W0H1451-BS1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
2-Nitrophenol	20.1	1.0	ug/l	25.0		81	45-167			
3,3'-Dichlorobenzidine	25.7	1.0	ug/l	25.0		103	8-213			
4-Bromophenyl phenyl ether	20.0	1.0	ug/l	25.0		80	65-120			
4-Chloro-3-methylphenol	19.1	1.0	ug/l	25.0		76	41-128			
4-Chlorophenyl phenyl ether	18.5	1.0	ug/l	25.0		74	38-145			
4-Nitrophenol	7.53	2.0	ug/l	25.0		30	13-129			
Acenaphthene	20.9	1.0	ug/l	25.0		84	60-132			
Acenaphthylene	20.7	1.0	ug/l	25.0		83	54-126			
Anthracene	22.5	1.0	ug/l	25.0		90	43-120			
Benzo (a) anthracene	21.9	1.0	ug/l	25.0		88	42-133			
Benzo (a) pyrene	25.2	1.0	ug/l	25.0		101	32-148			
Benzo (b) fluoranthene	26.2	1.0	ug/l	25.0		105	42-140			AN-IP
Benzo (g,h,i) perylene	27.0	1.0	ug/l	25.0		108	0.1-195			
Benzo (k) fluoranthene	25.4	1.0	ug/l	25.0		102	25-146			AN-IP
Bis(2-chloroethoxy)methane	19.9	1.0	ug/l	25.0		80	49-165			
Bis(2-chloroethyl)ether	18.6	1.0	ug/l	25.0		74	43-126			
Bis(2-chloroisopropyl)ether	19.3	1.0	ug/l	25.0		77	63-139			
Bis(2-ethylhexyl)phthalate	23.0	2.0	ug/l	25.0		92	29-137			
Butyl benzyl phthalate	23.1	1.0	ug/l	25.0		93	0.1-140			
Chrysene	25.2	1.0	ug/l	25.0		101	44-140			
Dibenzo (a,h) anthracene	25.4	1.0	ug/l	25.0		101	0.1-200			
Diethyl phthalate	21.3	1.0	ug/l	25.0		85	0.1-120			
Dimethyl phthalate	19.5	1.0	ug/l	25.0		78	0.1-120			
Di-n-butyl phthalate	25.4	1.0	ug/l	25.0		102	8-120			
Di-n-octyl phthalate	25.0	1.0	ug/l	25.0		100	19-132			
Fluoranthene	22.3	1.0	ug/l	25.0		89	43-121			
Fluorene	20.2	1.0	ug/l	25.0		81	70-120			
Hexachlorobenzene	20.6	1.0	ug/l	25.0		82	8-142			
Hexachlorobutadiene	21.1	1.0	ug/l	25.0		84	38-120			
Hexachlorocyclopentadiene	11.5	5.0	ug/l	25.0		46	10-120			
Hexachloroethane	19.3	1.0	ug/l	25.0		77	55-120			
Indeno (1,2,3-cd) pyrene	25.1	1.0	ug/l	25.0		100	0.1-151			
Isophorone	19.0	1.0	ug/l	25.0		76	47-180			
Naphthalene	19.8	1.0	ug/l	25.0		79	36-120			
Nitrobenzene	19.1	1.0	ug/l	25.0		76	54-158			
N-Nitrosodimethylamine	14.0	1.0	ug/l	25.0		56	22-120			
N-Nitrosodi-n-propylamine	20.7	1.0	ug/l	25.0		83	14-198			
N-Nitrosodiphenylamine	16.5	1.0	ug/l	25.0		66	47-120			
Pentachlorophenol	18.9	1.0	ug/l	25.0		76	41-120			

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Project Number: EO-432455

Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
LCS (W0H1451-BS1)				**Prepared: 08/26/20**	**Analyzed: 09/17/20**					
Phenanthrene	22.8	1.0	ug/l	25.0		91	65-120			
Phenol	8.24	1.0	ug/l	25.0		33	17-120			
Pyrene	23.3	1.0	ug/l	25.0		93	70-120			
Surrogate(s)										
2,4,6-Tribromophenol	*35.9*		*ug/l*	*50.0*		*72*	*25-120*			
2-Fluorobiphenyl	*18.3*		*ug/l*	*25.0*		*73*	*22-120*			
2-Fluorophenol	*27.4*		*ug/l*	*50.0*		*55*	*17-120*			
Nitrobenzene-d5	*18.5*		*ug/l*	*25.0*		*74*	*47-120*			
Phenol-d5	*16.8*		*ug/l*	*50.0*		*34*	*12-120*			
Terphenyl-d14	*25.5*		*ug/l*	*25.0*		*102*	*44-129*			
LCS Dup (W0H1451-BSD1)				**Prepared: 08/26/20**	**Analyzed: 09/16/20**					
1,2,4-Trichlorobenzene	19.5	1.0	ug/l	25.0		78	57-130	3	30	
1,2-Dichlorobenzene	18.5	1.0	ug/l	25.0		74	57-120	0.4	30	
1,3-Dichlorobenzene	18.2	1.0	ug/l	25.0		73	55-120	1	30	
1,4-Dichlorobenzene	18.1	1.0	ug/l	25.0		72	55-120	0.8	30	
2,4,6-Trichlorophenol	19.5	1.0	ug/l	25.0		78	52-129	3	30	
2,4-Dichlorophenol	21.3	1.0	ug/l	25.0		85	53-122	2	30	
2,4-Dimethylphenol	21.7	1.0	ug/l	25.0		87	42-120	6	30	
2,4-Dinitrophenol	22.1	5.0	ug/l	25.0		88	0.1-173	2	30	
2,4-Dinitrotoluene	18.5	1.0	ug/l	25.0		74	48-127	8	30	
2,6-Dinitrotoluene	19.2	1.0	ug/l	25.0		77	68-137	3	30	
2-Chloronaphthalene	19.8	1.0	ug/l	25.0		79	65-120	5	30	
2-Chlorophenol	20.0	1.0	ug/l	25.0		80	36-120	1	30	
2-Methyl-4,6-dinitrophenol	17.9	1.0	ug/l	25.0		71	53-130	9	30	
2-Nitrophenol	20.6	1.0	ug/l	25.0		82	45-167	2	30	
3,3'-Dichlorobenzidine	20.4	1.0	ug/l	25.0		82	8-213	23	30	
4-Bromophenyl phenyl ether	19.2	1.0	ug/l	25.0		77	65-120	5	30	
4-Chloro-3-methylphenol	19.6	1.0	ug/l	25.0		78	41-128	2	30	
4-Chlorophenyl phenyl ether	18.6	1.0	ug/l	25.0		74	38-145	0.5	30	
4-Nitrophenol	7.26	2.0	ug/l	25.0		29	13-129	4	30	
Acenaphthene	21.1	1.0	ug/l	25.0		84	60-132	0.9	30	
Acenaphthylene	21.3	1.0	ug/l	25.0		85	54-126	3	30	
Anthracene	20.4	1.0	ug/l	25.0		82	43-120	10	30	
Benzo (a) anthracene	18.4	1.0	ug/l	25.0		74	42-133	18	30	
Benzo (a) pyrene	20.9	1.0	ug/l	25.0		84	32-148	18	30	
Benzo (b) fluoranthene	22.1	1.0	ug/l	25.0		88	42-140	17	30	AN-IP
Benzo (g,h,i) perylene	23.0	1.0	ug/l	25.0		92	0.1-195	16	30	
Benzo (k) fluoranthene	21.6	1.0	ug/l	25.0		86	25-146	16	30	AN-IP
Bis(2-chloroethoxy)methane	20.9	1.0	ug/l	25.0		83	49-165	5	30	

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Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
LCS Dup (W0H1451-BSD1)				**Prepared: 08/26/20**	**Analyzed: 09/16/20**					
Bis(2-chloroethyl)ether	18.3	1.0	ug/l	25.0		73	43-126	2	30	
Bis(2-chloroisopropyl)ether	19.3	1.0	ug/l	25.0		77	63-139	0.3	30	
Bis(2-ethylhexyl)phthalate	41.2	2.0	ug/l	25.0		165	29-137	57	30	BS-04
Butyl benzyl phthalate	19.6	1.0	ug/l	25.0		78	0.1-140	17	30	
Chrysene	21.3	1.0	ug/l	25.0		85	44-140	17	30	
Dibenzo (a,h) anthracene	22.0	1.0	ug/l	25.0		88	0.1-200	14	30	
Diethyl phthalate	19.9	1.0	ug/l	25.0		80	0.1-120	7	30	
Dimethyl phthalate	18.9	1.0	ug/l	25.0		76	0.1-120	3	30	
Di-n-butyl phthalate	21.8	1.0	ug/l	25.0		87	8-120	15	30	
Di-n-octyl phthalate	21.6	1.0	ug/l	25.0		87	19-132	14	30	
Fluoranthene	19.8	1.0	ug/l	25.0		79	43-121	12	30	
Fluorene	19.8	1.0	ug/l	25.0		79	70-120	2	30	
Hexachlorobenzene	19.4	1.0	ug/l	25.0		77	8-142	6	30	
Hexachlorobutadiene	20.8	1.0	ug/l	25.0		83	38-120	1	30	
Hexachlorocyclopentadiene	12.3	5.0	ug/l	25.0		49	10-120	7	30	
Hexachloroethane	18.8	1.0	ug/l	25.0		75	55-120	3	30	
Indeno (1,2,3-cd) pyrene	21.3	1.0	ug/l	25.0		85	0.1-151	16	30	
Isophorone	19.7	1.0	ug/l	25.0		79	47-180	4	30	
Naphthalene	20.1	1.0	ug/l	25.0		80	36-120	1	30	
Nitrobenzene	19.4	1.0	ug/l	25.0		77	54-158	1	30	
N-Nitrosodimethylamine	14.5	1.0	ug/l	25.0		58	22-120	4	30	
N-Nitrosodi-n-propylamine	21.4	1.0	ug/l	25.0		86	14-198	3	30	
N-Nitrosodiphenylamine	15.5	1.0	ug/l	25.0		62	47-120	6	30	
Pentachlorophenol	17.8	1.0	ug/l	25.0		71	41-120	6	30	
Phenanthrene	20.7	1.0	ug/l	25.0		83	65-120	10	30	
Phenol	8.49	1.0	ug/l	25.0		34	17-120	3	30	
Pyrene	20.5	1.0	ug/l	25.0		82	70-120	13	30	
Surrogate(s)										
2,4,6-Tribromophenol	*34.6*		*ug/l*	*50.0*		*69*	*25-120*			
2-Fluorobiphenyl	*19.0*		*ug/l*	*25.0*		*76*	*22-120*			
2-Fluorophenol	*27.7*		*ug/l*	*50.0*		*55*	*17-120*			
Nitrobenzene-d5	*19.1*		*ug/l*	*25.0*		*76*	*47-120*			
Phenol-d5	*17.3*		*ug/l*	*50.0*		*35*	*12-120*			
Terphenyl-d14	*23.5*		*ug/l*	*25.0*		*94*	*44-129*			

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Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1446 - EPA 300.1										
Blank (W0H1446-BLK1)				**Prepared & Analyzed: 08/26/20**						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
Surrogate(s)										
Dichloroacetate	*513*		*ug/l*	*500*		*103*	*90-115*			
Dichloroacetate	*513*		*ug/l*	*500*		*103*	*90-115*			
LCS (W0H1446-BS1)				**Prepared & Analyzed: 08/26/20**						
Bromate	97.8	5.0	ug/l	100		98	85-115			
Chlorite	98.4	10	ug/l	100		98	85-115			
Surrogate(s)										
Dichloroacetate	*569*		*ug/l*	*500*		*114*	*90-115*			
Dichloroacetate	*569*		*ug/l*	*500*		*114*	*90-115*			
Matrix Spike (W0H1446-MS1)	**Source: 0H14013-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	95.8	5.0	ug/l	100	ND	96	64-133			
Chlorite	96.0	10	ug/l	100	ND	96	78-129			
Surrogate(s)										
Dichloroacetate	*546*		*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*546*		*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W0H1446-MS2)	**Source: 0H25036-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	121	5.0	ug/l	100	ND	121	64-133			
Chlorite	102	10	ug/l	100	ND	102	78-129			
Surrogate(s)										
Dichloroacetate	*525*		*ug/l*	*500*		*105*	*90-115*			
Dichloroacetate	*525*		*ug/l*	*500*		*105*	*90-115*			
Matrix Spike Dup (W0H1446-MSD1)	**Source: 0H14013-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	100	5.0	ug/l	100	ND	100	64-133	5	20	
Chlorite	93.4	10	ug/l	100	ND	93	78-129	3	20	
Surrogate(s)										
Dichloroacetate	*538*		*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*		*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W0H1446-MSD2)	**Source: 0H25036-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	100	5.0	ug/l	100	ND	100	64-133	18	20	
Chlorite	95.4	10	ug/l	100	ND	95	78-129	7	20	
Surrogate(s)										
Dichloroacetate	*561*		*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*561*		*ug/l*	*500*		*112*	*90-115*			

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0178 - EPA 531.2										
Blank (W0I0178-BLK1)				**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	ND	2.0	ug/l							
Aldicarb	ND	2.0	ug/l							
Aldicarb sulfone	ND	2.0	ug/l							
Aldicarb sulfoxide	ND	2.0	ug/l							
Carbaryl	ND	2.0	ug/l							
Carbofuran	ND	2.0	ug/l							
Methiocarb	ND	2.0	ug/l							
Methomyl	ND	2.0	ug/l							
Oxamyl	ND	2.0	ug/l							
Propoxur (Baygon)	ND	2.0	ug/l							
Surrogate(s)										
BDMC	*8.65*		*ug/l*	*10.0*		*87*	*70-130*			
LCS (W0I0178-BS1)				**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	10.8	2.0	ug/l	10.0		108	70-130			
Aldicarb	9.56	2.0	ug/l	10.0		96	70-130			
Aldicarb sulfone	12.3	2.0	ug/l	10.0		123	70-130			
Aldicarb sulfoxide	11.1	2.0	ug/l	10.0		111	70-130			
Carbaryl	10.6	2.0	ug/l	10.0		106	70-130			
Carbofuran	12.4	2.0	ug/l	10.0		124	70-130			
Methiocarb	11.4	2.0	ug/l	10.0		114	70-130			
Methomyl	12.6	2.0	ug/l	10.0		126	70-130			
Oxamyl	11.9	2.0	ug/l	10.0		119	70-130			
Propoxur (Baygon)	12.5	2.0	ug/l	10.0		125	70-130			
Surrogate(s)										
BDMC	*10.7*		*ug/l*	*10.0*		*107*	*70-130*			
Matrix Spike (W0I0178-MS1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	11.6	2.0	ug/l	10.0	ND	116	70-130			
Aldicarb	10.4	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfone	11.6	2.0	ug/l	10.0	ND	116	70-130			
Aldicarb sulfoxide	12.0	2.0	ug/l	10.0	ND	120	70-130			
Carbaryl	10.5	2.0	ug/l	10.0	ND	105	70-130			
Carbofuran	11.1	2.0	ug/l	10.0	ND	111	70-130			
Methiocarb	11.2	2.0	ug/l	10.0	ND	112	70-130			
Methomyl	11.5	2.0	ug/l	10.0	ND	115	70-130			
Oxamyl	10.7	2.0	ug/l	10.0	ND	107	70-130			
Propoxur (Baygon)	11.2	2.0	ug/l	10.0	ND	112	70-130			
Surrogate(s)										
BDMC	*10.4*		*ug/l*	*10.0*		*104*	*70-130*			
Matrix Spike Dup (W0I0178-MSD1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	11.0	2.0	ug/l	10.0	ND	110	70-130	5	30	

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0178 - EPA 531.2 (Continued)										
Matrix Spike Dup (W0I0178-MSD1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
Aldicarb	11.1	2.0	ug/l	10.0	ND	111	70-130	6	30	
Aldicarb sulfone	10.7	2.0	ug/l	10.0	ND	107	70-130	8	30	
Aldicarb sulfoxide	11.3	2.0	ug/l	10.0	ND	113	70-130	6	30	
Carbaryl	10.4	2.0	ug/l	10.0	ND	104	70-130	0.6	30	
Carbofuran	11.2	2.0	ug/l	10.0	ND	112	70-130	0.9	30	
Methiocarb	11.5	2.0	ug/l	10.0	ND	115	70-130	3	30	
Methomyl	11.5	2.0	ug/l	10.0	ND	115	70-130	0.1	30	
Oxamyl	13.0	2.0	ug/l	10.0	ND	130	70-130	19	30	
Propoxur (Baygon)	12.2	2.0	ug/l	10.0	ND	122	70-130	9	30	
Surrogate(s)										
BDMC	*10.2*		*ug/l*	*10.0*		*102*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0008 - EPA 515.4										
Blank (W0I0008-BLK1)				**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	ug/l							
2,4-D	ND	0.40	ug/l							
2,4-DB	ND	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	1.0	ug/l							
Acifluorfen	ND	0.40	ug/l							
Bentazon	ND	2.0	ug/l							
Dalapon	ND	0.40	ug/l							
DCPA	ND	0.10	ug/l							
Dicamba	ND	0.60	ug/l							
Dichloroprop	ND	0.30	ug/l							
Dinoseb	ND	0.40	ug/l							
Pentachlorophenol	ND	0.20	ug/l							
Picloram	ND	0.60	ug/l							
Surrogate(s)										
2,4-DCAA	*11.1*		*ug/l*	*10.0*		*111*	*70-130*			
LCS (W0I0008-BS1)				**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	4.22	0.20	ug/l	4.00		106	70-130			
2,4,5-TP (Silvex)	4.19	0.20	ug/l	4.00		105	70-130			
2,4-D	8.75	0.40	ug/l	8.00		109	70-130			
2,4-DB	19.4	2.0	ug/l	16.0		121	70-130			
3,5-Dichlorobenzoic acid	8.55	1.0	ug/l	8.00		107	70-130			
Acifluorfen	4.33	0.40	ug/l	4.00		108	70-130			
Bentazon	16.5	2.0	ug/l	16.0		103	70-130			
Dalapon	9.60	0.40	ug/l	8.00		120	70-130			
DCPA	4.70	0.10	ug/l	4.00		118	70-130			
Dicamba	8.29	0.60	ug/l	8.00		104	70-130			
Dichloroprop	8.60	0.30	ug/l	8.00		107	70-130			
Dinoseb	4.15	0.40	ug/l	4.00		104	70-130			
Pentachlorophenol	4.78	0.20	ug/l	4.00		120	70-130			
Picloram	4.71	0.60	ug/l	4.00		118	70-130			
Surrogate(s)										
2,4-DCAA	*12.1*		*ug/l*	*10.0*		*121*	*70-130*			
Matrix Spike (W0I0008-MS1)	**Source: 0H25012-01**			**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	4.23	0.20	ug/l	4.00	ND	106	70-130			
2,4,5-TP (Silvex)	4.29	0.20	ug/l	4.00	ND	107	70-130			
2,4-D	8.65	0.40	ug/l	8.00	ND	108	70-130			
2,4-DB	23.0	2.0	ug/l	16.0	ND	144	70-130			MS-07
3,5-Dichlorobenzoic acid	8.78	1.0	ug/l	8.00	ND	110	70-130			

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Project Number: EO-432455

Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0008 - EPA 515.4 (Continued)										
Matrix Spike (W0I0008-MS1)	**Source: 0H25012-01**			**Prepared: 09/01/20**	**Analyzed: 09/02/20**					
Acifluorfen	4.31	0.40	ug/l	4.00	ND	108	70-130			
Bentazon	16.5	2.0	ug/l	16.0	ND	103	70-130			
Dalapon	8.80	0.40	ug/l	8.00	ND	110	70-130			
DCPA	4.59	0.10	ug/l	4.00	ND	115	70-130			
Dicamba	8.34	0.60	ug/l	8.00	ND	104	70-130			
Dichloroprop	8.70	0.30	ug/l	8.00	ND	109	70-130			
Dinoseb	4.08	0.40	ug/l	4.00	ND	102	70-130			
Pentachlorophenol	4.76	0.20	ug/l	4.00	ND	119	70-130			
Picloram	4.62	0.60	ug/l	4.00	ND	116	70-130			
Surrogate(s)										
2,4-DCAA	*12.3*		*ug/l*	*10.0*		*123*	*70-130*			
Matrix Spike Dup (W0I0008-MSD1)	**Source: 0H25012-01**			**Prepared: 09/01/20**	**Analyzed: 09/02/20**					
2,4,5-T	4.18	0.20	ug/l	4.00	ND	104	70-130	1	30	
2,4,5-TP (Silvex)	4.22	0.20	ug/l	4.00	ND	106	70-130	1	30	
2,4-D	8.59	0.40	ug/l	8.00	ND	107	70-130	0.8	30	
2,4-DB	23.1	2.0	ug/l	16.0	ND	144	70-130	0.4	30	MS-07
3,5-Dichlorobenzoic acid	8.73	1.0	ug/l	8.00	ND	109	70-130	0.6	30	
Acifluorfen	4.19	0.40	ug/l	4.00	ND	105	70-130	3	30	
Bentazon	16.4	2.0	ug/l	16.0	ND	103	70-130	0.2	30	
Dalapon	8.87	0.40	ug/l	8.00	ND	111	70-130	0.8	30	
DCPA	4.55	0.10	ug/l	4.00	ND	114	70-130	1	30	
Dicamba	8.25	0.60	ug/l	8.00	ND	103	70-130	1	30	
Dichloroprop	8.61	0.30	ug/l	8.00	ND	108	70-130	1	30	
Dinoseb	3.98	0.40	ug/l	4.00	ND	100	70-130	2	30	
Pentachlorophenol	4.72	0.20	ug/l	4.00	ND	118	70-130	0.9	30	
Picloram	4.57	0.60	ug/l	4.00	ND	114	70-130	1	30	
Surrogate(s)										
2,4-DCAA	*12.3*		*ug/l*	*10.0*		*123*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1227 - EPA 508										
Blank (W0H1227-BLK1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
4,4´-DDD	ND	0.010	ug/l							
4,4´-DDE	ND	0.010	ug/l							
4,4´-DDT	ND	0.010	ug/l							
Aldrin	ND	0.010	ug/l							
alpha-BHC	ND	0.010	ug/l							
Aroclor 1016	ND	0.10	ug/l							
Aroclor 1221	ND	0.10	ug/l							
Aroclor 1232	ND	0.10	ug/l							
Aroclor 1242	ND	0.10	ug/l							
Aroclor 1248	ND	0.10	ug/l							
Aroclor 1254	ND	0.10	ug/l							
Aroclor 1260	ND	0.10	ug/l							
beta-BHC	ND	0.010	ug/l							
Chlordane (tech)	ND	0.10	ug/l							
Chlorothalonil	ND	0.050	ug/l							
delta-BHC	ND	0.010	ug/l							
Dieldrin	ND	0.010	ug/l							
Endosulfan I	ND	0.010	ug/l							
Endosulfan II	ND	0.010	ug/l							
Endosulfan sulfate	ND	0.010	ug/l							
Endrin	ND	0.010	ug/l							
Endrin aldehyde	ND	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.010	ug/l							
Heptachlor	ND	0.010	ug/l							
Heptachlor epoxide	ND	0.010	ug/l							
Hexachlorobenzene	ND	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.050	ug/l							
Methoxychlor	ND	0.010	ug/l							
PCBs, Total	ND	0.50	ug/l							
Propachlor	ND	0.050	ug/l							
Toxaphene	ND	0.50	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
Decachlorobiphenyl	*0.0882*		*ug/l*	*0.100*		*88*	*70-130*			
Tetrachloro-meta-xylene	*0.0713*		*ug/l*	*0.100*		*71*	*70-130*			
LCS (W0H1227-BS1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
4,4´-DDD	0.0862	0.010	ug/l	0.100		86	77-137			
4,4´-DDE	0.0898	0.010	ug/l	0.100		90	69-129			
4,4´-DDT	0.102	0.010	ug/l	0.100		102	82-142			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1227 - EPA 508 (Continued)										
LCS (W0H1227-BS1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
Aldrin	0.0791	0.010	ug/l	0.100		79	56-116			
alpha-BHC	0.0848	0.010	ug/l	0.100		85	62-122			
beta-BHC	0.0924	0.010	ug/l	0.100		92	65-125			
delta-BHC	0.101	0.010	ug/l	0.100		101	72-132			
Dieldrin	0.0860	0.010	ug/l	0.100		86	57-117			
Endosulfan I	0.0728	0.010	ug/l	0.100		73	57-117			
Endosulfan II	0.0840	0.010	ug/l	0.100		84	62-122			
Endosulfan sulfate	0.0978	0.010	ug/l	0.100		98	72-132			
Endrin	0.0949	0.010	ug/l	0.100		95	58-118			
Endrin aldehyde	0.103	0.010	ug/l	0.100		103	58-118			
gamma-BHC (Lindane)	0.0867	0.010	ug/l	0.100		87	59-119			
Heptachlor	0.0874	0.010	ug/l	0.100		87	68-128			
Heptachlor epoxide	0.0866	0.010	ug/l	0.100		87	57-117			
Methoxychlor	0.0991	0.010	ug/l	0.100		99	75-135			
Surrogate(s)										
Decachlorobiphenyl	*0.0963*		*ug/l*	*0.100*		*96*	*70-130*			
Tetrachloro-meta-xylene	*0.0759*		*ug/l*	*0.100*		*76*	*70-130*			
LCS Dup (W0H1227-BSD1)				**Prepared: 08/21/20 Analyzed: 09/02/20**						
4,4´-DDD	0.0913	0.010	ug/l	0.100		91	77-137	6	20	
4,4´-DDE	0.0925	0.010	ug/l	0.100		92	69-129	3	20	
4,4´-DDT	0.109	0.010	ug/l	0.100		109	82-142	6	20	
Aldrin	0.0778	0.010	ug/l	0.100		78	56-116	2	20	
alpha-BHC	0.0906	0.010	ug/l	0.100		91	62-122	7	20	
beta-BHC	0.0990	0.010	ug/l	0.100		99	65-125	7	20	
delta-BHC	0.107	0.010	ug/l	0.100		107	72-132	6	20	
Dieldrin	0.0915	0.010	ug/l	0.100		92	57-117	6	20	
Endosulfan I	0.0773	0.010	ug/l	0.100		77	57-117	6	20	
Endosulfan II	0.0894	0.010	ug/l	0.100		89	62-122	6	20	
Endosulfan sulfate	0.103	0.010	ug/l	0.100		103	72-132	5	20	
Endrin	0.100	0.010	ug/l	0.100		100	58-118	6	20	
Endrin aldehyde	0.102	0.010	ug/l	0.100		102	58-118	1	20	
gamma-BHC (Lindane)	0.0925	0.010	ug/l	0.100		93	59-119	7	20	
Heptachlor	0.0853	0.010	ug/l	0.100		85	68-128	2	20	
Heptachlor epoxide	0.0903	0.010	ug/l	0.100		90	57-117	4	20	
Methoxychlor	0.107	0.010	ug/l	0.100		107	75-135	8	20	
Surrogate(s)										
Decachlorobiphenyl	*0.0970*		*ug/l*	*0.100*		*97*	*70-130*			
Tetrachloro-meta-xylene	*0.0763*		*ug/l*	*0.100*		*76*	*70-130*			

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Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1195 - EPA 549.2										
Blank (W0H1195-BLK1)				**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	ND	4.0	ug/l							
Paraquat	ND	4.0	ug/l							
LCS (W0H1195-BS1)				**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	17.3	4.0	ug/l	20.0		86	70-130			
Paraquat	15.9	4.0	ug/l	20.0		80	70-130			
Matrix Spike (W0H1195-MS1)	**Source: 0G21010-02**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	15.2	4.0	ug/l	20.0	ND	76	46-122			
Paraquat	17.2	4.0	ug/l	20.0	ND	86	38-129			
Matrix Spike (W0H1195-MS2)	**Source: 0G21010-01**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.5	4.0	ug/l	20.0	ND	68	46-122			
Paraquat	16.8	4.0	ug/l	20.0	ND	84	38-129			
Matrix Spike Dup (W0H1195-MSD1)	**Source: 0G21010-02**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.5	4.0	ug/l	20.0	ND	68	46-122	12	30	
Paraquat	15.5	4.0	ug/l	20.0	ND	78	38-129	11	30	
Matrix Spike Dup (W0H1195-MSD2)	**Source: 0G21010-01**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.9	4.0	ug/l	20.0	ND	70	46-122	3	30	
Paraquat	17.2	4.0	ug/l	20.0	ND	86	38-129	2	30	

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1346 - EPA 548.1										
Blank (W0H1346-BLK1)				**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	ND	40	ug/l							
LCS (W0H1346-BS1)				**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	73.7	40	ug/l	100		74	31-117			
Matrix Spike (W0H1346-MS1)	**Source: 0H20013-05**			**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	19.2	80	ug/l	200	ND	10	0.1-109			
Matrix Spike Dup (W0H1346-MSD1)	**Source: 0H20013-05**			**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	18.0	80	ug/l	200	ND	9	0.1-109	7	30	

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Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1697 - EPA 547										
Blank (W0H1697-BLK1)				**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	ND	5.0	ug/l							
LCS (W0H1697-BS1)				**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	22.1	5.0	ug/l	25.0		88	70-130			
Matrix Spike (W0H1697-MS1)	**Source: 0H17059-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	21.3	5.0	ug/l	25.0	ND	85	41-149			
Matrix Spike (W0H1697-MS2)	**Source: 0H24043-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	23.0	5.0	ug/l	25.0	ND	92	41-149			
Matrix Spike Dup (W0H1697-MSD1)	**Source: 0H17059-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	21.8	5.0	ug/l	25.0	ND	87	41-149	2	30	
Matrix Spike Dup (W0H1697-MSD2)	**Source: 0H24043-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	22.8	5.0	ug/l	25.0	ND	91	41-149	0.6	30	

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1575 - EPA 552.3										
Blank (W0H1575-BLK1)				**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
HAA5, Total	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2-Bromobutyric acid	*10.0*		*ug/l*	*10.0*		*100*	*70-130*			
LCS (W0H1575-BS1)				**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	9.82	1.0	ug/l	10.0		98	70-130			
Dichloroacetic acid (dcaa)	9.15	1.0	ug/l	10.0		92	70-130			
Monobromoacetic acid (mbaa)	9.68	1.0	ug/l	10.0		97	70-130			
Monochloroacetic acid (mcaa)	9.87	2.0	ug/l	10.0		99	70-130			
Trichloroacetic acid (tcaa)	9.64	1.0	ug/l	10.0		96	70-130			
Surrogate(s)										
2-Bromobutyric acid	*10.2*		*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike (W0H1575-MS1)	**Source: 0H24020-01**			**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	10.7	1.0	ug/l	10.0	1.41	93	70-130			
Dichloroacetic acid (dcaa)	11.7	1.0	ug/l	10.0	2.74	89	70-130			
Monobromoacetic acid (mbaa)	9.41	1.0	ug/l	10.0	ND	94	70-130			
Monochloroacetic acid (mcaa)	10.2	2.0	ug/l	10.0	1.82	84	70-130			
Trichloroacetic acid (tcaa)	11.1	1.0	ug/l	10.0	1.67	95	70-130			
Surrogate(s)										
2-Bromobutyric acid	*9.64*		*ug/l*	*10.0*		*96*	*70-130*			
Matrix Spike Dup (W0H1575-MSD1)	**Source: 0H24020-01**			**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	11.4	1.0	ug/l	10.0	1.41	100	70-130	6	30	
Dichloroacetic acid (dcaa)	11.5	1.0	ug/l	10.0	2.74	88	70-130	2	30	
Monobromoacetic acid (mbaa)	9.02	1.0	ug/l	10.0	ND	90	70-130	4	30	
Monochloroacetic acid (mcaa)	8.97	2.0	ug/l	10.0	1.82	71	70-130	13	30	
Trichloroacetic acid (tcaa)	11.8	1.0	ug/l	10.0	1.67	101	70-130	6	30	
Surrogate(s)										
2-Bromobutyric acid	*9.96*		*ug/l*	*10.0*		*100*	*70-130*			

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Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0002 - EPA 218.6										
Blank (W0I0002-BLK1)				**Prepared & Analyzed: 09/01/20**						
Chromium 6+	ND	0.020	ug/l							
LCS (W0I0002-BS1)				**Prepared & Analyzed: 09/01/20**						
Chromium 6+	4.70	0.020	ug/l	5.00		94	90-110			
Matrix Spike (W0I0002-MS1)	**Source: 0H18001-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	12.2	0.020	ug/l	5.00	7.37	96	88-112			
Matrix Spike (W0I0002-MS2)	**Source: 0H19008-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	8.70	0.020	ug/l	5.00	3.90	96	88-112			
Matrix Spike Dup (W0I0002-MSD1)	**Source: 0H18001-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	12.2	0.020	ug/l	5.00	7.37	97	88-112	0.5	10	
Matrix Spike Dup (W0I0002-MSD2)	**Source: 0H19008-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	8.76	0.020	ug/l	5.00	3.90	97	88-112	0.6	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1369 - EPA 1625M										
Blank (W0H1369-BLK1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	ND	2.0	ng/l							
LCS (W0H1369-BS1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	2.62	2.0	ng/l	2.00		131	50-150			
LCS Dup (W0H1369-BSD1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	2.01	2.0	ng/l	2.00		100	50-150	26	50	

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2										
Blank (W0I0009-BLK1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	0.000295		ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND		ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.82*		*ug/l*	*5.00*		*96*	*70-130*			
Perylene-d12	*3.70*		*ug/l*	*5.00*		*74*	*50-120*			
Triphenyl phosphate	*4.69*		*ug/l*	*5.00*		*94*	*70-130*			
Blank (W0I0009-BLK2)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Atrazine	ND	0.10	ug/l							QC-2
Molinate	ND	0.10	ug/l							QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.00*		*97*	*70-130*			*QC-2*
Perylene-d12	*3.66*		*ug/l*	*5.00*		*73*	*50-120*			*QC-2*
Triphenyl phosphate	*4.77*		*ug/l*	*5.00*		*95*	*70-130*			*QC-2*
LCS (W0I0009-BS1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Alachlor	5.08	0.10	ug/l	5.00		102	70-130			

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS (W0I0009-BS1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Atrazine	5.80	0.10	ug/l	5.00		116	70-130			
Benzo (a) pyrene	4.65	0.10	ug/l	5.00		93	60-130			
Bis(2-ethylhexyl)adipate	5.34	2.0	ug/l	5.00		107	70-130			
Bis(2-ethylhexyl)phthalate	5.35	2.0	ug/l	5.00		107	70-130			
Bromacil	4.89	0.50	ug/l	5.00		98	70-130			
Butachlor	5.18	0.10	ug/l	5.00		104	70-130			
Captan	4.59	1.0	ug/l	5.00		92	70-130			
Chlorpropham	5.59	0.10	ug/l	5.00		112	70-130			
Cyanazine	5.87	0.10	ug/l	5.00		117	70-130			
Diazinon	4.30	0.10	ug/l	5.00		86	50-120			
Dimethoate	4.40	0.20	ug/l	5.00		88	50-120			
Diphenamid	6.15	0.10	ug/l	5.00		123	70-130			
Disulfoton	4.93	0.10	ug/l	5.00		99	50-120			
EPTC	5.98	0.10	ug/l	5.00		120	70-130			
Metolachlor	5.51	0.10	ug/l	5.00		110	60-130			
Metribuzin	4.70	0.10	ug/l	5.00		94	50-120			
Molinate	5.42	0.10	ug/l	5.00		108	70-130			
Naphthalene	5.14		ug/l	5.00		103	70-130			
Prometon	2.39	0.10	ug/l	5.00		48	15-120			
Prometryn	3.87	0.10	ug/l	5.00		77	30-120			
Simazine	5.38	0.10	ug/l	5.00		108	60-130			
Terbacil	6.17	2.0	ug/l	5.00		123	70-130			
Thiobencarb	5.60	0.10	ug/l	5.00		112	70-130			
Trithion	4.90	0.10	ug/l	5.00		98	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.77*		*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.86*		*ug/l*	*5.00*		*97*	*50-120*			
Triphenyl phosphate	*5.43*		*ug/l*	*5.00*		*109*	*70-130*			
LCS (W0I0009-BS2)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Propachlor	5.30		ug/l	5.00		106	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.99*		*ug/l*	*5.00*		*100*	*70-130*			
Perylene-d12	*3.92*		*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate	*5.21*		*ug/l*	*5.00*		*104*	*70-130*			
LCS (W0I0009-BS3)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Atrazine	5.74	0.10	ug/l	5.00		115	70-130			QC-2
Molinate	5.44	0.10	ug/l	5.00		109	70-130			QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.82*		*ug/l*	*5.00*		*96*	*70-130*			*QC-2*
Perylene-d12	*4.79*		*ug/l*	*5.00*		*96*	*50-120*			*QC-2*

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Orange, CA 92868

Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS (W0I0009-BS3)				**Prepared: 09/01/20**	**Analyzed: 09/08/20**					
Surrogate(s)										
Triphenyl phosphate	*5.43*		*ug/l*	*5.00*		*109*	*70-130*			QC-2
LCS Dup (W0I0009-BSD1)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Alachlor	4.58	0.10	ug/l	5.00		92	70-130	11	30	
Atrazine	5.68	0.10	ug/l	5.00		114	70-130	2	30	
Benzo (a) pyrene	3.82	0.10	ug/l	5.00		76	60-130	20	30	
Bis(2-ethylhexyl)adipate	5.14	2.0	ug/l	5.00		103	70-130	4	30	
Bis(2-ethylhexyl)phthalate	5.30	2.0	ug/l	5.00		106	70-130	0.9	30	
Bromacil	5.08	0.50	ug/l	5.00		102	70-130	4	30	
Butachlor	4.69	0.10	ug/l	5.00		94	70-130	10	30	
Captan	2.92	1.0	ug/l	5.00		58	70-130	45	30	BS-04
Chlorpropham	5.52	0.10	ug/l	5.00		110	70-130	1	30	
Cyanazine	2.49	0.10	ug/l	5.00		50	70-130	81	30	BS-04
Diazinon	3.94	0.10	ug/l	5.00		79	50-120	9	30	
Dimethoate	2.47	0.20	ug/l	5.00		49	50-120	56	30	BS-04
Diphenamid	6.17	0.10	ug/l	5.00		123	70-130	0.4	30	
Disulfoton	4.53	0.10	ug/l	5.00		91	50-120	9	30	
EPTC	5.84	0.10	ug/l	5.00		117	70-130	2	30	
Metolachlor	5.50	0.10	ug/l	5.00		110	60-130	0.2	30	
Metribuzin	4.29	0.10	ug/l	5.00		86	50-120	9	30	
Molinate	5.27	0.10	ug/l	5.00		105	70-130	3	30	
Naphthalene	5.00		ug/l	5.00		100	70-130	3	30	
Prometon	1.96	0.10	ug/l	5.00		39	15-120	20	30	
Prometryn	4.00	0.10	ug/l	5.00		80	30-120	3	30	
Simazine	5.26	0.10	ug/l	5.00		105	60-130	2	30	
Terbacil	0.425	2.0	ug/l	5.00		8	70-130	174	30	BS-04
Thiobencarb	5.57	0.10	ug/l	5.00		111	70-130	0.5	30	
Trithion	3.07	0.10	ug/l	5.00		61	70-130	46	30	BS-04
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*3.88*		*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate	*5.56*		*ug/l*	*5.00*		*111*	*70-130*			
LCS Dup (W0I0009-BSD2)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Propachlor	4.99		ug/l	5.00		100	70-130	6	30	
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.88*		*ug/l*	*5.00*		*98*	*70-130*			
Perylene-d12	*4.51*		*ug/l*	*5.00*		*90*	*50-120*			
Triphenyl phosphate	*4.70*		*ug/l*	*5.00*		*94*	*70-130*			
LCS Dup (W0I0009-BSD3)				**Prepared: 09/01/20**	**Analyzed: 09/08/20**					
Atrazine	5.70	0.10	ug/l	5.00		114	70-130	0.8	30	QC-2

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Quality Control Results (Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS Dup (W0I0009-BSD3)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Molinate	5.31	0.10	ug/l	5.00		106	70-130	2	30	QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.76*		*ug/l*	*5.00*		*95*	*70-130*			QC-2
Perylene-d12	*4.21*		*ug/l*	*5.00*		*84*	*50-120*			QC-2
Triphenyl phosphate	*5.64*		*ug/l*	*5.00*		*113*	*70-130*			QC-2

Quality Control Results (Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1345 - EPA 524.3										
Blank (W0H1345-BLK1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
LCS (W0H1345-BS1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	0.0616	0.010	ug/l	0.0500		123	70-130			
1,2-Dibromoethane (EDB)	0.0536	0.020	ug/l	0.0500		107	70-130			
LCS Dup (W0H1345-BSD1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	0.0510	0.010	ug/l	0.0500		102	70-130	19	30	
1,2-Dibromoethane (EDB)	0.0501	0.020	ug/l	0.0500		100	70-130	7	30	
Duplicate (W0H1345-DUP1)	**Source: 0H20067-07**			**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l		ND				30	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l		ND				30	

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Project Number: EO-432455

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:27

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
BS-H	The recovery of this analyte in the BS/LCS was over the control limit. Sample result is suspect.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
S-04	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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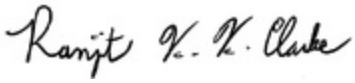
Lab Job Number: 432461
Report Level: II
Report Date: 09/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - SNMP MOU

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	432461
Project No:	MALIBU
Location:	Annual - SNMP MOU
Date Received:	08/19/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-13	432461-001	08/19/20 11:45	Water
CCPE	432461-002	08/19/20 12:15	Water
MCWP-MW06	432461-003	08/19/20 09:05	Water

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	ENTHALPY analytical, inc.	Lab No: 432461		Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1 of 1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water		Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid		4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water							
		SW = Swab W = Water WP = Wipe O = Other							

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805)	Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	EPA 300.0 (NO3)	Test Instructions / Comments
SMBRP-13	8/19/20	11:45	W			X	X	X	X	X		
~~MCWP-MW10~~		~~12:15~~				~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
CCPE	8/19/20	12:15	W			X	X	X	X	X		
~~MBGMW-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~SMBRP-7B~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~MCWP-MW05~~										~~X~~	~~X~~	MC
MCWP-MW06	8/19/20	0905	W							X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants	8/19/20 1320
1 Received By:		JAIRO A	EA	8/19/2020 1320
2 Relinquished By:		JAIRO A	EA	8/19/2020 1513
2 Received By:		Elizabeth Raimon	EA	8/19/20 15:13
3 Relinquished By:				
3 Received By:				

1.2/4.4

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu- Annual

Date Received: 08/19/20

Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 08/19/20

ENTHALPY ANALYTICAL

Analysis Results for 432461

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432461
Project No: MALIBU
Location: Annual - SNMP MOU
Date Received: 08/19/20

Sample ID: SMBRP-13 **Lab ID: 432461-001** **Collected: 08/19/20 11:45**
Matrix: Water

432461-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 10:48	08/20/20 10:48	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.45	10	251348	08/20/20 10:48	08/20/20 10:48	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	251348	08/20/20 10:48	08/20/20 10:48	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.010	1	251769	08/26/20	08/27/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.18**		mg/L			1	251809	08/28/20	08/28/20	SLL
Method: SM 4500-NH3-G										
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.030	1	251387	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.48**		mg/L	0.020	0.010	1	251607	08/26/20	08/26/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**31**		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,900**		mg/L	20		2	251597	08/24/20	08/24/20	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432461

Sample ID: CCPE	Lab ID: 432461-002	Collected: 08/19/20 12:15
	Matrix: Water	

432461-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	251348	08/20/20 11:13	08/20/20 11:13	RKV
Nitrogen, Nitrate	**1.3**		mg/L	1.0	0.45	10	251348	08/20/20 11:13	08/20/20 11:13	RKV
Nitrogen, Nitrate/Nitrite	**1.3**		mg/L	1.0		10	251348	08/20/20 11:13	08/20/20 11:13	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.051**	J	mg/L	0.10	0.010	1	251769	08/26/20	08/27/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.23**		mg/L			1	251809	08/28/20	08/28/20	SLL
Method: SM 4500-NH3-G										
Nitrogen, Total Kjeldahl	**0.28**	J	mg/L	0.40	0.030	1	251387	08/20/20	08/20/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.010	1	251607	08/26/20	08/26/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Coliform, Total	**1,600**		MPN/100ml	1.0		1	251328	08/19/20 16:25	08/20/20 13:15	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,800**		mg/L	20		2	251597	08/24/20	08/24/20	ATP

Sample ID: MCWP-MW06	Lab ID: 432461-003	Collected: 08/19/20 09:05
	Matrix: Water	

432461-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**1.1**		mg/L	0.10	0.05	1	251330	08/20/20 13:11	08/20/20 13:11	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	251597	08/24/20	08/24/20	ATP

> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC882024**	**Batch:**	**251330**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882024 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/20 23:27	08/19/20 23:27

Type:	**Lab Control Sample**	**Lab ID:**	**QC882025**	**Batch:**	**251330**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882025 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrate	8.926	9.030	mg/L	99%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC882026**	**Batch:**	**251330**
Matrix (Source ID):	**Drinking Water (432439-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882026 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	12.46	3.957	9.030	mg/L	94%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882027**	**Batch:**	**251330**
Matrix (Source ID):	**Drinking Water (432439-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882027 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	12.50	3.957	9.030	mg/L	95%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC882368**	**Batch:**	**251330**
Matrix (Source ID):	**Drinking Water (432548-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882368 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	25.76	17.00	9.030	mg/L	97%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882369**	**Batch:**	**251330**
Matrix (Source ID):	**Drinking Water (432548-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882369 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	24.73	17.00	9.030	mg/L	86%		80-120	4	20	10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC882204**	**Batch: 251348**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC882204 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/19/20 22:59	08/19/20 22:59
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/20 22:59	08/19/20 22:59
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/20 22:59	08/19/20 22:59

Type: Lab Control Sample	**Lab ID: QC882205**	**Batch: 251348**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC882205 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.626	9.150	mg/L	105%		90-110
Nitrogen, Nitrate	9.561	9.030	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID: QC882206**	**Batch: 251348**
Matrix (Source ID): Water (432451-002)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC882206 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.441	ND	9.150	mg/L	103%		80-120	1
Nitrogen, Nitrate	9.146	0.07000	9.030	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID: QC882207**	**Batch: 251348**
Matrix (Source ID): Water (432451-002)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC882207 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.522	ND	9.150	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrate	9.279	0.07000	9.030	mg/L	102%		80-120	1	20	1

Type: Blank	**Lab ID: QC882187**	**Batch: 251387**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC882187 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/20/20	08/20/20

Type: Lab Control Sample	**Lab ID: QC882188**	**Batch: 251387**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC882188 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.330	2.500	mg/L	93%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC882189**	**Batch:**	**251387**
Matrix (Source ID):	**Water (432384-001)**	**Method:**	**SM 4500-NH3-G**	**Prep Method:**	**METHOD**

QC882189 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	25.30	13.90	12.50	mg/L	91%		80-120	13

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882190**	**Batch:**	**251387**
Matrix (Source ID):	**Water (432384-001)**	**Method:**	**SM 4500-NH3-G**	**Prep Method:**	**METHOD**

QC882190 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	25.20	13.90	12.50	mg/L	90%		80-120	0	20	13

Type:	**Blank**	**Lab ID:**	**QC882828**	**Batch:**	**251597**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC882828 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/24/20	08/24/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882829**	**Batch:**	**251597**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC882829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	101.0	100.0	mg/L	101%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC882830**	**Batch:**	**251597**
Matrix (Source ID):	**Drinking Water (432470-024)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC882830 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	330.0	328.0	mg/L		1	5	2

Type:	**Blank**	**Lab ID:**	**QC882867**	**Batch:**	**251607**
Matrix:	**Sea Water**	**Method:**	**SM 4500-P-B5-E**		

QC882867 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/26/20	08/26/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC882868	**Batch:** 251607
Matrix: Sea Water	**Method:** SM 4500-P-B5-E	

QC882868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4260	0.4000	mg/L	107%		80-120

Type: Matrix Spike	**Lab ID:** QC882869	**Batch:** 251607
Matrix (Source ID): Water (432570-001)	**Method:** SM 4500-P-B5-E	

QC882869 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.6170	0.2670	0.4000	mg/L	88%		75-125	1

Type: Matrix Spike Duplicate	**Lab ID:** QC882870	**Batch:** 251607
Matrix (Source ID): Water (432570-001)	**Method:** SM 4500-P-B5-E	

QC882870 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.6990	0.2670	0.4000	mg/L	108%		75-125	12	20	1

Type: Blank	**Lab ID:** QC883231	**Batch:** 251769
Matrix: Sea Water	**Method:** EPA 350.1	**Prep Method:** METHOD

QC883231 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/26/20	08/27/20

Type: Lab Control Sample	**Lab ID:** QC883232	**Batch:** 251769
Matrix: Sea Water	**Method:** EPA 350.1	**Prep Method:** METHOD

QC883232 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.513	2.500	mg/L	101%		80-120

Type: Matrix Spike	**Lab ID:** QC883233	**Batch:** 251769
Matrix (Source ID): Sea Water (432515-001)	**Method:** EPA 350.1	

QC883233 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.570	ND	2.500	mg/L	103%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883234**	**Batch:**	**251769**
Matrix (Source ID):	**Sea Water (432515-001)**	**Method:**	**EPA 350.1**		

QC883234 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.560	ND	2.500	mg/L	102%		80-120	0	20	1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

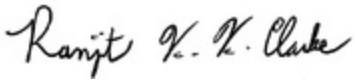
Lab Job Number:	432518
Report Level:	II
Report Date:	09/24/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - Long Term GW - Partial Report (EPA 1694 pending)

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	432518
Project No:	MALIBU
Location:	Annual - Long Term GW - Partial Report (EPA 1694 pending)
Date Received:	08/20/20

Sample ID	Lab ID	Collected	Matrix
MCWP-MW04D	432518-001	08/20/20 11:45	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 432518	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 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:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	

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
~~LAMW-5S~~						X	X	X	X	X	X	X	X	X	X	MC
~~SMBRP-9~~						X	X	X	X	X	X	X	X	X	X	MC
~~SMBRP-11~~						X	X	X	X	X	X	X	X	X	X	MC
~~SMBRP-12~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW04D	8/20/20	1145	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants	8/20/20 / 1300
1 Received By:		JAIRO A	EA	8/20/20 1300
2 Relinquished By:		JAIRO A	EA	8/20/20 1800
2 Received By:		Christine C.	EA	8/20/20 1500
3 Relinquished By:				
3 Received By:				

0-6 / 3.7 0-2 / 3.3

ENTHALPHY ANALYTICAL, INC.	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 c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 508 Pest/PCBs	Test Instructions / Comments
~~LAMW-5S~~						X	X	MC
~~SMBRP-9~~						X	X	MC
~~SMBRP-11~~						X	X	MC
~~SMBRP-12~~						X	X	MC
~~MCWP-MW04S~~						X	X	MC
MCWP-MW04D	8/20/20	1145	W			X	X	
~~MCWP-MW07S~~						X	X	MC
~~MCWP-MW07D~~						X	X	MC
~~MCWP-MW09~~						X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/20/20 / 1300
[1] Received By:		JAIME A	EA	8/20/2020 1300
[2] Relinquished By:		JAIME A	EA	8/20/2020 1500
[2] Received By:		Christine C.	EA	8/20/20
[3] Relinquished By:				
[3] Received By:				

0.0/3.7 0.9/3.3

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/20/20 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: 3.7 #2: 3.3 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #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: 8/20/20

ENTHALPY ANALYTICAL

Analysis Results for 432518

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432518
Project No: MALIBU
Location: Annual - Long Term GW - Partial Report (EPA 1694 pending)
Date Received: 08/20/20

Sample ID: MCWP-MW04D **Lab ID: 432518-001** **Collected: 08/20/20 11:45**
Matrix: Water

432518-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: ALCH 4022 Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	251441	08/21/20	09/23/20	TTR
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.87**		mg/L	0.050	0.030	1	251536	08/24/20	08/24/20	SBW
Calcium	**180**		mg/L	0.10	0.093	1	251948	08/31/20	08/31/20	SBW
Iron	ND		mg/L	0.020	0.019	1	251536	08/24/20	08/24/20	SBW
Magnesium	**97**		mg/L	0.10	0.048	1	251446	08/21/20	08/21/20	SBW
Manganese	**0.0071**	J	mg/L	0.010	0.0030	1	251446	08/21/20	08/21/20	SBW
Potassium	**2.9**		mg/L	0.50	0.18	1	251446	08/21/20	08/21/20	SBW
Sodium	**190**		mg/L	0.50	0.061	1	251446	08/21/20	08/21/20	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**21**	J	ug/L	50	11	5	252120	09/02/20	09/03/20	JDB
Antimony	**0.081**	J	ug/L	0.50	0.060	1	251441	08/21/20	08/21/20	JCP
Arsenic	**1.2**	J	ug/L	2.0	0.38	1	251441	08/21/20	08/21/20	JCP
Barium	**30**		ug/L	5.0	0.28	1	251441	08/21/20	08/21/20	JCP
Beryllium	ND		ug/L	0.50	0.050	1	251441	08/21/20	08/21/20	JCP
Cadmium	**0.20**	J	ug/L	0.20	0.033	1	251441	08/21/20	08/21/20	JCP
Chromium	ND		ug/L	2.0	0.96	2	251441	08/21/20	08/31/20	JCP
Copper	**1.8**		ug/L	0.50	0.050	1	251441	08/21/20	08/21/20	JCP
Lead	ND		ug/L	0.50	0.044	1	251441	08/21/20	08/21/20	JCP
Nickel	**6.6**		ug/L	1.0	0.20	1	251441	08/21/20	08/21/20	JCP
Selenium	**1.8**	J	ug/L	2.0	0.27	1	251441	08/21/20	08/21/20	JCP
Silver	ND		ug/L	0.20	0.025	1	251441	08/21/20	08/21/20	JCP
Thallium	ND		ug/L	1.0	0.23	1	251441	08/21/20	08/21/20	JCP
Zinc	ND		ug/L	10	4.2	1	251441	08/21/20	08/21/20	JCP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	251499	08/22/20	08/22/20	JDB
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**260**		mg/L	10	1.4	10	251448	08/21/20 12:00	08/21/20 23:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	251448	08/21/20 16:12	08/21/20 16:12	RKV
Nitrogen, Nitrate	**1.4**		mg/L	0.10	0.05	1	251448	08/21/20 16:12	08/21/20 16:12	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432518

432518-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**550**		mg/L	10	2.5	10	251448	08/21/20 12:00	08/21/20 23:59	RKV
Nitrogen, Nitrate/Nitrite	**1.4**		mg/L	0.10		1	251448	08/21/20 16:12	08/21/20 16:12	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	4.0	1.1	2	251376	08/20/20	08/20/20	RKV
Method: EPA 524.2 Prep Method: METHOD										
Acrolein	ND		ug/L	5.0	3.3	1	251445	08/21/20	08/21/20	LYZ
Acrylonitrile	ND		ug/L	2.0	0.8	1	251445	08/21/20	08/21/20	LYZ
1,1-Dichloroethene	ND		ug/L	0.50	0.30	1	251445	08/21/20	08/21/20	LYZ
Benzene	ND		ug/L	0.50	0.18	1	251445	08/21/20	08/21/20	LYZ
Trichloroethene	ND		ug/L	0.50	0.39	1	251445	08/21/20	08/21/20	LYZ
Toluene	ND		ug/L	0.50	0.24	1	251445	08/21/20	08/21/20	LYZ
Chlorobenzene	ND		ug/L	0.50	0.19	1	251445	08/21/20	08/21/20	LYZ
Chloromethane	ND		ug/L	0.50	0.27	1	251445	08/21/20	08/21/20	LYZ
Vinyl Chloride	ND		ug/L	0.50	0.18	1	251445	08/21/20	08/21/20	LYZ
Bromomethane	ND		ug/L	0.68	0.68	1	251445	08/21/20	08/21/20	LYZ
Chloroethane	ND		ug/L	0.50	0.45	1	251445	08/21/20	08/21/20	LYZ
Trichlorofluoromethane	ND		ug/L	0.50	0.25	1	251445	08/21/20	08/21/20	LYZ
Freon 113	ND		ug/L	0.50	0.35	1	251445	08/21/20	08/21/20	LYZ
Methylene Chloride	**0.88**	B	ug/L	0.50	0.16	1	251445	08/21/20	08/21/20	LYZ
MTBE	ND		ug/L	0.50	0.19	1	251445	08/21/20	08/21/20	LYZ
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	1	251445	08/21/20	08/21/20	LYZ
1,1-Dichloroethane	ND		ug/L	0.50	0.32	1	251445	08/21/20	08/21/20	LYZ
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	1	251445	08/21/20	08/21/20	LYZ
Chloroform	ND		ug/L	0.50	0.18	1	251445	08/21/20	08/21/20	LYZ
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	1	251445	08/21/20	08/21/20	LYZ
Carbon Tetrachloride	ND		ug/L	0.50	0.27	1	251445	08/21/20	08/21/20	LYZ
1,2-Dichloroethane	ND		ug/L	0.50	0.20	1	251445	08/21/20	08/21/20	LYZ
1,2-Dichloropropane	ND		ug/L	1.0	0.36	1	251445	08/21/20	08/21/20	LYZ
Bromodichloromethane	ND		ug/L	0.50	0.31	1	251445	08/21/20	08/21/20	LYZ
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	1	251445	08/21/20	08/21/20	LYZ
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	1	251445	08/21/20	08/21/20	LYZ
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	1	251445	08/21/20	08/21/20	LYZ
Tetrachloroethene	ND		ug/L	0.50	0.18	1	251445	08/21/20	08/21/20	LYZ
Dibromochloromethane	ND		ug/L	0.50	0.21	1	251445	08/21/20	08/21/20	LYZ
Ethylbenzene	ND		ug/L	0.50	0.21	1	251445	08/21/20	08/21/20	LYZ
m,p-Xylenes	ND		ug/L	1.0	0.45	1	251445	08/21/20	08/21/20	LYZ
Styrene	ND		ug/L	0.50	0.22	1	251445	08/21/20	08/21/20	LYZ
Bromoform	ND		ug/L	0.50	0.20	1	251445	08/21/20	08/21/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	1	251445	08/21/20	08/21/20	LYZ
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	1	251445	08/21/20	08/21/20	LYZ
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	1	251445	08/21/20	08/21/20	LYZ
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	1	251445	08/21/20	08/21/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	1	251445	08/21/20	08/21/20	LYZ
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	1	251445	08/21/20	08/21/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432518

432518-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Surrogates				**Limits**						
Bromofluorobenzene	97%		%REC	70-140		1	251445	08/21/20	08/21/20	LYZ
1,2-Dichloroethane-d4	96%		%REC	70-140		1	251445	08/21/20	08/21/20	LYZ
Dibromofluoromethane	103%		%REC	70-140		1	251445	08/21/20	08/21/20	LYZ
Toluene-d8	105%		%REC	70-140		1	251445	08/21/20	08/21/20	LYZ
Method: SM 2150B										
Odor	ND		TON	1.0		1	251525	08/20/20 17:00	08/20/20 17:00	SGC
Method: SM 2330B										
CCPP	ND		SU	1.0		1	251973	08/31/20	08/31/20	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	251497	08/22/20 10:52	08/22/20 10:52	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	251800	08/27/20	08/27/20	ATP
Method: SM 4500-F-C										
Fluoride	**0.61**		mg/L	0.10	0.0030	1	251545	08/24/20	08/24/20	NLP
Method: SM 4500-H+ B										
pH	**6.96**	H	SU			1	251523	08/20/20 17:00	08/20/20 17:00	SGC
Temperature	**19.60**	H	deg C	1.00		1	251523	08/20/20 17:00	08/20/20 17:00	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	251758	08/26/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.28**	J	mg/L	0.40	0.030	1	251908	08/27/20	08/30/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.076**		mg/L	0.020	0.010	1	251694	08/25/20	08/25/20	SGC
Method: SM 5310B										
Total Organic Carbon	**0.58**	J	mg/L	1.0	0.34	1	251992	08/31/20	08/31/20	ATP
Method: SM 9223Bb										
Coliform, Total	**1.0**		MPN/100ml	1.0		1	251414	08/20/20 16:23	08/21/20 13:50	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	251414	08/20/20 16:23	08/21/20 13:50	CCO
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251414	08/20/20 16:23	08/21/20 13:50	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	251526	08/20/20 17:00	08/20/20 17:00	SGC
Method: SM2130B										
Turbidity	**0.22**		NTU	0.10	0.07	1	251517	08/20/20 17:00	08/20/20 17:00	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**410**		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Carbonate	ND		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Hydroxide	ND		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Alkalinity, Total as CaCO3	**330**		mg/L	25		5	251611	08/24/20	08/24/20	ATP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	251596	08/24/20	08/25/20	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 432518

432518-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6		1.1	251561	08/21/20	08/21/20	NLP
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	251531	08/21/20 10:00	08/21/20 18:59	NLP

<	Value is less than indicated concentration
B	Contamination found in associated Method Blank
H	Holding time was exceeded
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882143	**Batch:** 251376
Matrix: Drinking Water	**Method:** EPA 314.0	**Prep Method:** METHOD

QC882143 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.53	08/20/20	08/20/20

Type: Lab Control Sample	**Lab ID:** QC882144	**Batch:** 251376
Matrix: Drinking Water	**Method:** EPA 314.0	**Prep Method:** METHOD

QC882144 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	43.91	50.00	ug/L	88%		85-115

Type: Matrix Spike	**Lab ID:** QC882145	**Batch:** 251376
Matrix (Source ID): Drinking Water (432439-001)	**Method:** EPA 314.0	**Prep Method:** METHOD

QC882145 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	48.78	1.165	50.00	ug/L	95%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC882146	**Batch:** 251376
Matrix (Source ID): Drinking Water (432439-001)	**Method:** EPA 314.0	**Prep Method:** METHOD

QC882146 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	48.30	1.165	50.00	ug/L	94%		80-120	1	15	1

Type: Blank	**Lab ID:** QC882338	**Batch:** 251441
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC882338 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		ug/L	0.50	0.060	08/21/20	08/21/20
Arsenic	ND		ug/L	2.0	0.38	08/21/20	08/21/20
Barium	ND		ug/L	5.0	0.28	08/21/20	08/21/20
Beryllium	ND		ug/L	0.50	0.050	08/21/20	08/21/20
Cadmium	ND		ug/L	0.20	0.033	08/21/20	08/21/20
Chromium	ND		ug/L	1.0	0.48	08/21/20	08/31/20
Copper	ND		ug/L	0.50	0.050	08/21/20	08/21/20
Lead	ND		ug/L	0.50	0.044	08/21/20	08/21/20
Nickel	ND		ug/L	1.0	0.20	08/21/20	08/21/20
Selenium	ND		ug/L	2.0	0.27	08/21/20	08/21/20
Silver	ND		ug/L	0.20	0.025	08/21/20	08/21/20
Thallium	ND		ug/L	1.0	0.23	08/21/20	08/21/20
Zinc	ND		ug/L	10	4.2	08/21/20	08/21/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC882339	**Batch:** 251441
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC882339 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	49.86	50.00	ug/L	100%		85-115
Arsenic	48.38	50.00	ug/L	97%		85-115
Barium	47.16	50.00	ug/L	94%		85-115
Beryllium	42.70	50.00	ug/L	85%		85-115
Cadmium	50.44	50.00	ug/L	101%		85-115
Chromium	42.44	50.00	ug/L	85%		85-115
Copper	47.23	50.00	ug/L	94%		85-115
Lead	49.21	50.00	ug/L	98%		85-115
Nickel	48.35	50.00	ug/L	97%		85-115
Selenium	46.67	50.00	ug/L	93%		85-115
Silver	49.25	50.00	ug/L	99%		85-115
Thallium	48.75	50.00	ug/L	98%		85-115
Zinc	47.29	50.00	ug/L	95%		85-115

Type: Sample Spike	**Lab ID:** QC882341	**Batch:** 251441
Matrix (Source ID): Water (432497-004)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC882341 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	49.92	0.2700	50.00	ug/L	99%		70-130	1
Arsenic	49.13	ND	50.00	ug/L	98%		70-130	1
Barium	57.65	11.20	50.00	ug/L	93%		70-130	1
Beryllium	35.70	ND	50.00	ug/L	71%		70-130	1
Cadmium	49.11	0.06800	50.00	ug/L	98%		70-130	1
Chromium	47.01	0.1420	50.00	ug/L	94%		70-130	5
Copper	46.90	0.8590	50.00	ug/L	92%		70-130	1
Lead	49.47	0.1590	50.00	ug/L	99%		70-130	1
Nickel	50.79	2.563	50.00	ug/L	96%		70-130	1
Selenium	45.59	ND	50.00	ug/L	91%		70-130	1
Silver	47.09	ND	50.00	ug/L	94%		70-130	1
Thallium	49.63	ND	50.00	ug/L	99%		70-130	1
Zinc	50.08	ND	50.00	ug/L	100%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882354		**Batch:** 251445
Matrix: Water	**Method:** EPA 524.2		**Prep Method:** METHOD

QC882354 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrolein	ND		ug/L	5.0	3.3	08/21/20	08/21/20
Acrylonitrile	ND		ug/L	2.0	0.8	08/21/20	08/21/20
1,1-Dichloroethene	ND		ug/L	0.50	0.30	08/21/20	08/21/20
Benzene	ND		ug/L	0.50	0.18	08/21/20	08/21/20
Trichloroethene	ND		ug/L	0.50	0.39	08/21/20	08/21/20
Toluene	ND		ug/L	0.50	0.24	08/21/20	08/21/20
Chlorobenzene	ND		ug/L	0.50	0.19	08/21/20	08/21/20
Chloromethane	ND		ug/L	0.50	0.27	08/21/20	08/21/20
Vinyl Chloride	ND		ug/L	0.50	0.18	08/21/20	08/21/20
Bromomethane	ND		ug/L	0.68	0.68	08/21/20	08/21/20
Chloroethane	ND		ug/L	0.50	0.45	08/21/20	08/21/20
Trichlorofluoromethane	ND		ug/L	0.50	0.25	08/21/20	08/21/20
Freon 113	ND		ug/L	0.50	0.35	08/21/20	08/21/20
Methylene Chloride	1.1		ug/L	0.50	0.16	08/21/20	08/21/20
MTBE	ND		ug/L	0.50	0.19	08/21/20	08/21/20
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	08/21/20	08/21/20
1,1-Dichloroethane	ND		ug/L	0.50	0.32	08/21/20	08/21/20
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	08/21/20	08/21/20
Chloroform	ND		ug/L	0.50	0.18	08/21/20	08/21/20
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	08/21/20	08/21/20
Carbon Tetrachloride	ND		ug/L	0.50	0.27	08/21/20	08/21/20
1,2-Dichloroethane	ND		ug/L	0.50	0.20	08/21/20	08/21/20
1,2-Dichloropropane	ND		ug/L	1.0	0.36	08/21/20	08/21/20
Bromodichloromethane	ND		ug/L	0.50	0.31	08/21/20	08/21/20
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	08/21/20	08/21/20
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	08/21/20	08/21/20
1,1,2-Trichloroethane	ND		ug/L	0.50	0.25	08/21/20	08/21/20
Tetrachloroethene	ND		ug/L	0.50	0.18	08/21/20	08/21/20
Dibromochloromethane	ND		ug/L	0.50	0.21	08/21/20	08/21/20
Ethylbenzene	ND		ug/L	0.50	0.21	08/21/20	08/21/20
m,p-Xylenes	ND		ug/L	1.0	0.45	08/21/20	08/21/20
Styrene	ND		ug/L	0.50	0.22	08/21/20	08/21/20
Bromoform	ND		ug/L	0.50	0.20	08/21/20	08/21/20
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	08/21/20	08/21/20
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	08/21/20	08/21/20
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	08/21/20	08/21/20
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	08/21/20	08/21/20
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	08/21/20	08/21/20
2-Chloroethylvinylether	ND		ug/L	5.0	0.23	08/21/20	08/21/20
Surrogates				**Limits**			
Bromofluorobenzene	96%		%REC	70-140		08/21/20	08/21/20
1,2-Dichloroethane-d4	95%		%REC	70-140		08/21/20	08/21/20

ENTHALPY ANALYTICAL

Batch QC

QC882354 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Dibromofluoromethane	102%		%REC	70-140		08/21/20	08/21/20
Toluene-d8	104%		%REC	70-140		08/21/20	08/21/20

Type: Lab Control Sample **Lab ID:** QC882355 **Batch:** 251445
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC882355 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.04	50.00	ug/L	86%		70-135
Benzene	40.63	50.00	ug/L	81%		70-130
Trichloroethene	49.01	50.00	ug/L	98%		70-130
Toluene	45.90	50.00	ug/L	92%		70-130
Chlorobenzene	48.80	50.00	ug/L	98%		70-130
MTBE	37.96	50.00	ug/L	76%		70-130
Surrogates						
Bromofluorobenzene	48.12	50.00	ug/L	96%		70-140
1,2-Dichloroethane-d4	47.00	50.00	ug/L	94%		70-140
Dibromofluoromethane	52.16	50.00	ug/L	104%		70-140
Toluene-d8	53.11	50.00	ug/L	106%		70-140

Type: Lab Control Sample Duplicate **Lab ID:** QC882356 **Batch:** 251445
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC882356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	43.01	49.98	ug/L	86%		70-135	0	30
Benzene	41.08	49.98	ug/L	82%		70-130	1	30
Trichloroethene	48.96	49.98	ug/L	98%		70-130	0	30
Toluene	45.96	49.98	ug/L	92%		70-130	0	30
Chlorobenzene	49.48	49.98	ug/L	99%		70-130	1	30
MTBE	38.77	49.98	ug/L	78%		70-130	2	30
Surrogates								
Bromofluorobenzene	47.45	50.00	ug/L	95%		70-140		
1,2-Dichloroethane-d4	47.97	50.00	ug/L	96%		70-140		
Dibromofluoromethane	53.10	50.00	ug/L	106%		70-140		
Toluene-d8	52.70	50.00	ug/L	105%		70-140		

Type: Blank **Lab ID:** QC882357 **Batch:** 251446
Matrix: Water **Method:** EPA 200.7 **Prep Method:** EPA 200.7

QC882357 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Magnesium	ND		mg/L	0.10	0.048	08/21/20	08/21/20
Manganese	ND		mg/L	0.010	0.0030	08/21/20	08/21/20
Potassium	ND		mg/L	0.50	0.18	08/21/20	08/21/20
Sodium	ND		mg/L	0.50	0.061	08/21/20	08/21/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC882358	Batch: 251446
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 200.7

QC882358 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Magnesium	20.13	20.00	mg/L	101%		85-115
Manganese	2.039	2.000	mg/L	102%		85-115
Potassium	38.75	38.00	mg/L	102%		85-115
Sodium	20.51	20.00	mg/L	103%		85-115

Type: Sample Spike	Lab ID: QC882360	Batch: 251446
Matrix (Source ID): Water (432518-001)	Method: EPA 200.7	Prep Method: EPA 200.7

QC882360 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Magnesium	118.3	97.17	20.00	mg/L	105%	NM	75-125	1
Manganese	1.013	0.007060	1.000	mg/L	101%		75-125	1
Potassium	33.65	2.870	29.00	mg/L	106%		75-125	1
Sodium	212.8	192.9	20.00	mg/L	99%	NM	75-125	1

Type: Blank	Lab ID: QC882387	Batch: 251448
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC882387 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.14	08/21/20 12:00	08/21/20 23:59
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/21/20 15:27	08/21/20 15:27
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/21/20 15:27	08/21/20 15:27
Sulfate	ND		mg/L	1.0	0.25	08/21/20 12:00	08/21/20 23:59
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/21/20 15:27	08/21/20 15:27

Type: Lab Control Sample	Lab ID: QC882388	Batch: 251448
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC882388 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	103.4	100.0	mg/L	103%		90-110
Nitrogen, Nitrite	9.674	9.150	mg/L	106%		90-110
Nitrogen, Nitrate	9.599	9.030	mg/L	106%		90-110
Sulfate	50.13	50.00	mg/L	100%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC882389	Batch:	251448
Matrix (Source ID):	Water (432551-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC882389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	101.3	3.659	100.0	mg/L	98%		80-120	1
Nitrogen, Nitrite	9.574	ND	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	9.444	0.3900	9.030	mg/L	100%		80-120	1
Sulfate	57.98	8.867	50.00	mg/L	98%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC882390	Batch:	251448
Matrix (Source ID):	Water (432551-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC882390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	103.1	3.659	100.0	mg/L	99%		80-120	2	20	1
Nitrogen, Nitrite	9.793	ND	9.150	mg/L	107%		80-120	2	20	1
Nitrogen, Nitrate	9.644	0.3900	9.030	mg/L	102%		80-120	2	20	1
Sulfate	59.23	8.867	50.00	mg/L	101%		80-120	2	20	1

Type:	Matrix Spike	Lab ID:	QC882480	Batch:	251448
Matrix (Source ID):	Water (432521-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC882480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	627.6	541.8	100.0	mg/L	86%	NM	80-120	10
Nitrogen, Nitrite	9.596	ND	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	10.28	0.6530	9.030	mg/L	107%		80-120	1
Sulfate	589.3	558.7	50.00	mg/L	61%	*,NM	80-120	10

Type:	Matrix Spike Duplicate	Lab ID:	QC882481	Batch:	251448
Matrix (Source ID):	Water (432521-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC882481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	624.9	541.8	100.0	mg/L	83%	NM	80-120	0	20	10
Nitrogen, Nitrite	9.669	ND	9.150	mg/L	106%		80-120	1	20	1
Nitrogen, Nitrate	10.31	0.6530	9.030	mg/L	107%		80-120	0	20	1
Sulfate	589.3	558.7	50.00	mg/L	61%	*,NM	80-120	0	20	10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882531	**Batch:** 251497
Matrix: Water	**Method:** SM 4500-CL-G	

QC882531 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	08/22/20 10:52	08/22/20 10:52

Type: Lab Control Sample	**Lab ID:** QC882532	**Batch:** 251497
Matrix: Water	**Method:** SM 4500-CL-G	

QC882532 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.034	1.000	mg/L	103%		80-120

Type: Sample Duplicate	**Lab ID:** QC882533	**Batch:** 251497
Matrix (Source ID): Water (432576-001)	**Method:** SM 4500-CL-G	

QC882533 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank	**Lab ID:** QC882539	**Batch:** 251499
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** METHOD

QC882539 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.094	08/22/20	08/22/20

Type: Lab Control Sample	**Lab ID:** QC882540	**Batch:** 251499
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** METHOD

QC882540 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.898	5.000	ug/L	98%		80-120

Type: Matrix Spike	**Lab ID:** QC882541	**Batch:** 251499
Matrix (Source ID): Water (432487-001)	**Method:** EPA 245.1	**Prep Method:** METHOD

QC882541 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.370	ND	5.000	ug/L	107%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC882542	Batch: 251499
Matrix (Source ID): Water (432487-001)	Method: EPA 245.1	Prep Method: METHOD

QC882542 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.472	ND	5.000	ug/L	109%		75-125	2	20	1

Type: Matrix Spike	Lab ID: QC882543	Batch: 251499
Matrix (Source ID): Water (432459-008)	Method: EPA 245.1	Prep Method: METHOD

QC882543 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.459	ND	5.000	ug/L	89%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC882544	Batch: 251499
Matrix (Source ID): Water (432459-008)	Method: EPA 245.1	Prep Method: METHOD

QC882544 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.709	ND	5.000	ug/L	94%		75-125	5	20	1

Type: Sample Duplicate	Lab ID: QC882604	Batch: 251517
Matrix (Source ID): Water (432518-001)	Method: SM2130B	

QC882604 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.2220	0.2200	NTU		1	20	1

Type: Sample Duplicate	Lab ID: QC882618	Batch: 251523
Matrix (Source ID): Water (432518-001)	Method: SM 4500-H+ B	

QC882618 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.990	6.960	SU		0	20	1
Temperature	19.40	19.60	deg C		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate **Lab ID:** QC882620 **Batch:** 251525
Matrix (Source ID): Water (432518-001) **Method:** SM 2150B

QC882620 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate **Lab ID:** QC882621 **Batch:** 251526
Matrix (Source ID): Water (432518-001) **Method:** SM2120B

QC882621 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Blank **Lab ID:** QC882633 **Batch:** 251531
Matrix: Water **Method:** SM5540C

QC882633 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	08/21/20 10:00	08/21/20 18:59

Type: Lab Control Sample **Lab ID:** QC882634 **Batch:** 251531
Matrix: Water **Method:** SM5540C

QC882634 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9750	1.000	mg/L	98%		90-110

Type: Matrix Spike **Lab ID:** QC882635 **Batch:** 251531
Matrix (Source ID): Water (432518-001) **Method:** SM5540C

QC882635 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9960	ND	1.000	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC882636 **Batch:** 251531
Matrix (Source ID): Water (432518-001) **Method:** SM5540C

QC882636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9880	ND	1.000	mg/L	96%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882646	**Batch:** 251536
Matrix: Drinking Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC882646 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.030	08/24/20	08/24/20
Iron	ND		mg/L	0.020	0.019	08/24/20	08/24/20

Type: Lab Control Sample	**Lab ID:** QC882647	**Batch:** 251536
Matrix: Drinking Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC882647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.769	2.000	mg/L	88%		85-115
Iron	1.969	2.000	mg/L	98%		85-115

Type: Sample Spike	**Lab ID:** QC882648	**Batch:** 251536
Matrix (Source ID): Drinking Water (432514-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC882648 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.691	0.7055	1.000	mg/L	99%		75-125	1
Iron	1.008	ND	1.000	mg/L	101%		75-125	1

Type: Blank	**Lab ID:** QC882664	**Batch:** 251545
Matrix: Water	**Method:** SM 4500-F-C	

QC882664 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.10	0.0030	08/24/20	08/24/20

Type: Lab Control Sample	**Lab ID:** QC882665	**Batch:** 251545
Matrix: Water	**Method:** SM 4500-F-C	

QC882665 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	1.040	1.000	mg/L	104%		80-120

Type: Matrix Spike	**Lab ID:** QC882666	**Batch:** 251545
Matrix (Source ID): Water (432518-001)	**Method:** SM 4500-F-C	

QC882666 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.650	0.6120	1.000	mg/L	104%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	**Lab ID:** QC882667	**Batch:** 251545
Matrix (Source ID): Water (432518-001)	**Method:** SM 4500-F-C	

QC882667 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.650	0.6120	1.000	mg/L	104%		75-125	0	20	1

Type: Blank	**Lab ID:** QC882707	**Batch:** 251561
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC882707 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/21/20	08/21/20

Type: Sample Duplicate	**Lab ID:** QC882708	**Batch:** 251561
Matrix (Source ID): Water (432509-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC882708 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	3,648	3520	mg/L		4	5	40

Type: Blank	**Lab ID:** QC882825	**Batch:** 251596
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC882825 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/24/20	08/25/20

Type: Lab Control Sample	**Lab ID:** QC882826	**Batch:** 251596
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC882826 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	99.00	100.0	mg/L	99%		90-110

Type: Sample Duplicate	**Lab ID:** QC882827	**Batch:** 251596
Matrix (Source ID): Water (432498-003)	**Method:** SM2540C	**Prep Method:** METHOD

QC882827 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	192.0	190.0	mg/L		1	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882882	**Batch:** 251611
Matrix: Drinking Water	**Method:** SM2320B	**Prep Method:** METHOD

QC882882 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/24/20	08/24/20
Carbonate	ND		mg/L	5.0		08/24/20	08/24/20
Hydroxide	ND		mg/L	5.0		08/24/20	08/24/20
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/24/20	08/24/20

Type: Lab Control Sample	**Lab ID:** QC882883	**Batch:** 251611
Matrix: Drinking Water	**Method:** SM2320B	**Prep Method:** METHOD

QC882883 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	96.24	100.0	mg/L	96%		90-110

Type: Sample Duplicate	**Lab ID:** QC882884	**Batch:** 251611
Matrix (Source ID): Drinking Water (432404-002)	**Method:** SM2320B	**Prep Method:** METHOD

QC882884 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	337.0	337.0	mg/L		0	20	2.5
Carbonate	ND	ND	mg/L			20	2.5
Hydroxide	ND	ND	mg/L			20	2.5
Alkalinity, Total as CaCO3	276.3	276.0	mg/L		0	20	2.5

Type: Blank	**Lab ID:** QC883038	**Batch:** 251694
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC883038 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/25/20	08/25/20

Type: Lab Control Sample	**Lab ID:** QC883039	**Batch:** 251694
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC883039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4320	0.4000	mg/L	108%		80-120

Type: Matrix Spike	**Lab ID:** QC883040	**Batch:** 251694
Matrix (Source ID): Water (432521-001)	**Method:** SM 4500-P-B5-E	

QC883040 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.5480	0.05700	0.4000	mg/L	123%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883041**	**Batch:**	**251694**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**SM 4500-P-B5-E**		

QC883041 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5130	0.05700	0.4000	mg/L	114%		75-125	7	20	1

Type:	**Blank**	**Lab ID:**	**QC883194**	**Batch:**	**251758**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC883194 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/26/20	08/27/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC883195**	**Batch:**	**251758**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC883195 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.520	2.500	mg/L	101%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC883196**	**Batch:**	**251758**
Matrix (Source ID):	**Water (432518-001)**	**Method:**	**SM 4500-NH3-G**		

QC883196 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.560	ND	2.500	mg/L	102%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883197**	**Batch:**	**251758**
Matrix (Source ID):	**Water (432518-001)**	**Method:**	**SM 4500-NH3-G**		

QC883197 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.560	ND	2.500	mg/L	102%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC883337**	**Batch:**	**251800**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC883337 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0022	08/27/20	08/27/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC883338	Batch: 251800
Matrix: Water	Method: SM 4500-CN-E	Prep Method: METHOD

QC883338 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.2090	0.2000	mg/L	105%		73-123

Type: Matrix Spike	Lab ID: QC883339	Batch: 251800
Matrix (Source ID): Water (432391-001)	Method: SM 4500-CN-E	Prep Method: METHOD

QC883339 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1950	ND	0.2000	mg/L	98%		56-129	1

Type: Matrix Spike Duplicate	Lab ID: QC883340	Batch: 251800
Matrix (Source ID): Water (432391-001)	Method: SM 4500-CN-E	Prep Method: METHOD

QC883340 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1950	ND	0.2000	mg/L	98%		56-129	0	37	1

Type: Blank	Lab ID: QC883634	Batch: 251908
Matrix: Water	Method: SM 4500-NH3-G	

QC883634 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/27/20	08/30/20

Type: Lab Control Sample	Lab ID: QC883635	Batch: 251908
Matrix: Water	Method: SM 4500-NH3-G	

QC883635 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.618	2.500	mg/L	105%		80-120

Type: Matrix Spike	Lab ID: QC883636	Batch: 251908
Matrix (Source ID): Water (432551-001)	Method: SM 4500-NH3-G	

QC883636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.36	ND	12.50	mg/L	99%		80-120	2.5

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Batch QC

Type: Matrix Spike Duplicate	**Lab ID:** QC883637	**Batch:** 251908
Matrix (Source ID): Water (432551-001)	**Method:** SM 4500-NH3-G	

QC883637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.80	ND	12.50	mg/L	110%		80-120	11	20	2.5

Type: Blank	**Lab ID:** QC883742	**Batch:** 251948
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC883742 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.10	0.093	08/31/20	08/31/20

Type: Lab Control Sample	**Lab ID:** QC883743	**Batch:** 251948
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC883743 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	4.106	3.800	mg/L	108%		85-115

Type: Sample Spike	**Lab ID:** QC883744	**Batch:** 251948
Matrix (Source ID): Water (432518-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC883744 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	184.7	180.7	2.900	mg/L	138%	NM	75-125	1

Type: Blank	**Lab ID:** QC883857	**Batch:** 251992
Matrix: Water	**Method:** SM 5310B	

QC883857 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.34	08/31/20	08/31/20

Type: Lab Control Sample	**Lab ID:** QC883858	**Batch:** 251992
Matrix: Water	**Method:** SM 5310B	

QC883858 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.685	10.00	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC883859	Batch: 251992
Matrix (Source ID): Water (432518-001)	Method: SM 5310B	

QC883859 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	16.10	0.5750	20.00	mg/L	78%	*	80-120	2

Type: Matrix Spike Duplicate	Lab ID: QC883860	Batch: 251992
Matrix (Source ID): Water (432518-001)	Method: SM 5310B	

QC883860 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	22.97	0.5750	20.00	mg/L	112%		80-120	35*	20	2

Type: Blank	Lab ID: QC884180	Batch: 252120
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 200.8

QC884180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aluminum	ND		ug/L	10	2.2	09/02/20	09/03/20

Type: Lab Control Sample	Lab ID: QC884181	Batch: 252120
Matrix: Water	Method: EPA 200.8	Prep Method: EPA 200.8

QC884181 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	49.86	50.00	ug/L	100%		85-115

Type: Sample Spike	Lab ID: QC884182	Batch: 252120
Matrix (Source ID): Water (432965-001)	Method: EPA 200.8	Prep Method: EPA 200.8

QC884182 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	65.19	16.78	50.00	ug/L	97%		70-130	1

* Value is outside QC limits
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Laboratory Job Number 432518

Subcontracted Products

AmeriSci

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:**	Lateef McIntosh
		AmeriSci Job #:	920081672
Fax #:		**Subject:**	Water (waste) 5 day Results
		Client Project:	EO-432518
Email:	incomingreports@enthalpy.com,Ranjit.clarke@enthalpy.com		

Date: Thursday, August 27, 2020
Time: 13:03:05
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 #: **920081672**
Client Name: Enthalpy Analytical

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (Water)

EO-432518

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	432518-001 MCWP-MW04D	0.02	3	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: 8/26/2020
Lateef McIntosh

9200816072

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
AmeriSci
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Taylor Brule
PO #: 1056098

Enthalpy Order: EO-432518
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

EPA 100.1

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04D	20-AUG-2020 11:45	432518-001	1	Water	Asbestos	EPA 100.1

Notes:	Relinquished By:	Received By:
	Saul Ramos	RJ 8/21/20
	Date: 8/21/20 1545	Date: 1545 3°C
	Date:	Date:
	Date:	Date:

QC Sample Assignment for AmeriSci Job# 920081672

Analyst/Date: _____ Entered by/Date: _____

Original Sample	Client Sample No	QA Number	Grid	Box

Laboratory Job Number 432518

Subcontracted Products

Eurofins CalScience

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-36546-1
Client Project/Site: 432518

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/31/2020 6:05:20 PM
Sheila Luu, Project Mgmt. Assistant
Sheila.Luu@eurofinset.com

Designee for

Xuan Dang, Project Manager I
(714)895-5494
Xuan.Dang@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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: 432518

Job ID: 570-36546-1

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.
s	Seeded Control Blank (SCB) Recovery High

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Enthalpy Analytical LLC
Project/Site: 432518

Job ID: 570-36546-1

Job ID: 570-36546-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-36546-1

Comments
No additional comments.

Receipt
The sample was received on 8/21/2020 3:55 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described 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 1664A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-89909. LCS/LCSD was performed 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: 432518

Job ID: 570-36546-1

Client Sample ID: MCWP-MW04D

Lab Sample ID: 570-36546-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	0.992	J	1.10	0.882	mg/L	1		1664A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Project/Site: 432518

Job ID: 570-36546-1

General Chemistry

Client Sample ID: MCWP-MW04D
Date Collected: 08/20/20 11:45
Date Received: 08/21/20 15:55

Lab Sample ID: 570-36546-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**0.992**	**J**	1.10	0.882	mg/L		08/24/20 11:47	08/24/20 11:47	1
Biochemical Oxygen Demand	ND		1.00	0.584	mg/L			08/22/20 11:04	1

Client: Enthalpy Analytical LLC
Project/Site: 432518

Job ID: 570-36546-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-89909/1-A
Matrix: Water
Analysis Batch: 89961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 89909

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.800	mg/L		08/24/20 11:47	08/24/20 11:47	1

Lab Sample ID: LCS 570-89909/2-A
Matrix: Water
Analysis Batch: 89961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 89909

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	37.50		mg/L		94	78 - 114

Lab Sample ID: LCSD 570-89909/3-A
Matrix: Water
Analysis Batch: 89961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 89909

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	37.20		mg/L		93	78 - 114	1	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-91113/2
Matrix: Water
Analysis Batch: 91113

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	1.366	s	0.833	0.487	mg/L			08/22/20 11:04	1

Lab Sample ID: USB 570-91113/1
Matrix: Water
Analysis Batch: 91113

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			08/22/20 11:04	1

Lab Sample ID: LCS 570-91113/3
Matrix: Water
Analysis Batch: 91113

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	207.7		mg/L		105	84.6 - 115.4

Lab Sample ID: 570-36461-A-1 DU
Matrix: Water
Analysis Batch: 91113

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	2030		2114		mg/L		4	25

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 432518

Job ID: 570-36546-1

General Chemistry

Prep Batch: 89909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36546-1	MCWP-MW04D	Total/NA	Water	1664A	
MB 570-89909/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-89909/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-89909/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 89961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36546-1	MCWP-MW04D	Total/NA	Water	1664A	89909
MB 570-89909/1-A	Method Blank	Total/NA	Water	1664A	89909
LCS 570-89909/2-A	Lab Control Sample	Total/NA	Water	1664A	89909
LCSD 570-89909/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	89909

Analysis Batch: 91113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-36546-1	MCWP-MW04D	Total/NA	Water	SM5210B	
SCB 570-91113/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-91113/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-91113/3	Lab Control Sample	Total/NA	Water	SM5210B	
570-36461-A-1 DU	Duplicate	Total/NA	Water	SM5210B	

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 432518

Job ID: 570-36546-1

Client Sample ID: MCWP-MW04D

Date Collected: 08/20/20 11:45
Date Received: 08/21/20 15:55

Lab Sample ID: 570-36546-1

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			907 mL	1000 mL	89909	08/24/20 11:47	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			89961	08/24/20 11:47	UFLU	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM5210B		1	250 mL	300 mL	91113		FTO2	ECL 1
	Instrument ID: BOD1							(Start) 08/22/20 11:04		
								(End) 08/27/20 13:49		

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: 432518

Job ID: 570-36546-1

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
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 432518

Job ID: 570-36546-1

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: 432518

Job ID: 570-36546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-36546-1	MCWP-MW04D	Water	08/20/20 11:45	08/21/20 15:55	

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1432
ATTN: Xuan Dang
PO #: 1056099

Enthalpy Order: EO-432518
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04D	20-AUG-2020 11:45	432518-001	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
			1	Water	BOD	

Notes:	Relinquished By:	Received By:
	[signature]	Danny Le
	Date: 8-21-20 1855	Date: 8/21/20 15:15
	Date:	Date:
	Date:	Date:

2.9/2.5 SCb

570-36546 Chain of Custody

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-36546-1

Login Number: 36546
List Number: 1
Creator: Le, Danny

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?	False	Not requested on COC.
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	

Laboratory Job Number 432518

Subcontracted Products

Enthalpy - Wilmington

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project # EO-432518
Sample Received: 08/25/20

Analytical Report
0820-763

EPA Method 1613B

2,3,7,8-TCDD

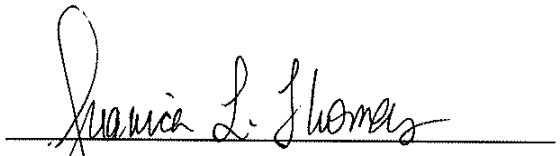
Enthalpy Analytical, LLC – Ultratrace

Lindsay Boone
O: (910) 212-5855 / F: 910-212-5866
lboone@enthalpy.com / 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 18 pages.



QA Review Performed by: Juanica L. Thomas

Report Issued Date: 09/11/2020

ENTHALPY ANALYTICAL

Summary of Results

ENTHALPY ANALYTICAL

Summary of Results: Totals

Enthalpy Ultratrace Batch # 11120

Method 1613B

Analyte	Method Blank pg/L	MCWP-MW04D pg/L
Totals		
TCDDs	(0.334)	(0.408)

ND = (EDL) EMPC = [ ]

Detailed Results

MCWP-MW04D						Detailed Results - Method 1613B	
Client Details							
Client Sample ID:	MCWP-MW04D		**Client Name:**	**Enthalpy-Orange**			
Client Project ID:	EO-432518		**Sample Collection Date:**	**8/20/2020**		**RRFs:**	**ICAL**
Lab/Sample Details							
Lab Job #:	**0820-763**	**Matrix:**	**Aqueous**	**Date Received:**	**25-Aug-20**		
Lab Sample ID:	**0820-763_11120_001**	**Weight/Volume:**	**1.05**	**Date Extracted:**	**29-Aug-20**		
QC Batch #:	**11120**	**Split Factor:**	**1**	**Date Analyzed:**	**03-Sep-20**		
Dilution:	**-**			**Time Analyzed:**	**15:28:59**		

Analyte	Conc. (pg/L)	EDL (pg)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.406		U	ES 2,3,7,8-TCDD	71.6	
					CS 37Cl-2378-TCDD	99.8	
					AS 1368-TCDD	80.5	

QC Data

OPR	Detailed Results - Method 1613B

RRFs: ICAL

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	OPR_11120_DF	Final Vol. (uL)	20.0	Date Extracted:	29-Aug-20
QC Batch #:	11120	Split Factor:	1	Date Analyzed:	03-Sep-20
Dilution:	-			Time Analyzed:	12:12:54

Analyte	Conc. (pg/uL)	EDL (pg/uL)	EMPC (pg/uL)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	10.0	0.0252			ES 2,3,7,8-TCDD	80.0	
					CS 37Cl-2378-TCDD	106	
					AS 1368-TCDD	86.0	

Method Blank	Detailed Results - Method 1613B

RRFs: ICAL

Lab/Sample Details

		Matrix:	Aqueous	Date Received:	N/A
Lab Sample ID:	LMB_11120_DF	Weight/Volume:	1.00	Date Extracted:	29-Aug-20
QC Batch #:	11120	Split Factor:	1	Date Analyzed:	03-Sep-20
Dilution:	-			Time Analyzed:	13:50:54

Analyte	Conc. (pg/L)	EDL (pg)	EMPC (pg/L)	Qualifiers	Standard	ES Recoveries	Qualifiers
2,3,7,8-TCDD	ND	0.332		U	ES 2,3,7,8-TCDD	74.5	
					CS 37Cl-2378-TCDD	99.8	
					AS 1368-TCDD	78.1	

OPR Demonstration Data (TCDD Only)

Batch ID#: 11120 **Method 1613B**

Analyte	Conc. (pg)	Lower Limit	Upper Limit	Acceptable?	Standard	ES Recoveries	Lower Limit	Upper Limit	Acceptable?
2,3,7,8-TCDD	10.0	7.3	14.6	Y	ES 2,3,7,8-TCDD	80	25	141	Y
					CS 2,3,7,8-TCDD	11	3.7	15.8	Y

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy - Orange
Job#	0820-763 EPA Method 1613B
Client Project #	EO-432518

Custody	Braidy May of Enthalpy Analytical Wilmington received the sample (via FedEx) on ice on 08/25/20 at 3.2°C in good condition. Prior to, during, and after analysis, the sample was stored in the laboratory with access only by authorized personnel of Enthalpy Analytical, LLC.
Analysis	The sample was analyzed by EPA Method 1613B for 2,3,7,8-TCDD 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 liquid-liquid extraction with methylene chloride. After solvent exchange, each extract was spiked with Alternate Standard (AS) and Clean Up Standard (CS). 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	In the initial calibration, the analytes exhibited RSDs less than 20% and labeled standards exhibited RSDs of no more than 30%. The standard analytes, continuing calibration (concal) and Initial Calibration Verification (ICV) met the 20% criterion for native analytes.
QC Notes	The HRMS system displayed mass resolving power of at least 10,000 during the analysis. Labeled and sampling (surrogate) standard recovery values in the Ongoing Precision Recovery (OPR) and method blank were acceptable. GC resolution parameters were met for TCDD. The sample was extracted within the 30-day from collection holding time and analyzed within the 45-day from extraction to analysis holding time required by the method.
Reporting Notes	The Totals and Detection Limits have been included in the report. Any deviations from the requirements of the reference method or TNI Standard have been stated above. The results presented in this report are representative of the samples as provided to the laboratory. Enthalpy Analytical, LLC in Wilmington NC is accredited by the Louisiana Department of Environmental Quality to the 2009 TNI

Standard under certificate number 05075.

General Reporting Notes – Data Qualifiers

The following are general reporting notes that are applicable to all Enthalpy Analytical, LLC - Wilmington, NC data reports, unless specifically noted otherwise.

General Data Qualifiers

- B – The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
- Cxx – 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 ('xx') 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). For HRMS data, this condition does not imply additional measurement uncertainty. For LC-MS/MS data, these values should be considered as having measurement uncertainty higher than values within the calibration range.
- EDL – Estimated Detection Level. Specific to Dioxin/Furan tests and equivalent to MDL
- EMPC – Estimated Maximum Possible Concentration Specific to Dioxin/Furan tests to indicate the signal/noise ratio wass not sufficient for peak identification (the determined ion-abundance ratio was outside the allowed theoretical range), or where there was a co-eluting interference. Indicates that a peak was identified but did not meet the method specified ion-abundance ratio.
- IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria therefore the actual analyte concentration cannot be accurately determined as defined by DoD QSM Table B-15.
- J – The analyte has a concentration below the minimum calibration level (LOQ value) but greater than the LOD. These values should be considered as having measurement uncertainty higher than values within the calibration range
- L - Indicates that an analyte has a concentration below the Minimum Detection Limit (MDL). The reported concentration is not recommended for regulatory use as the analyte signal may have a signal-to-noise ratio less than the criteria deemed necessary to be considered a detected analyte.
- LOD – Limit of Detection: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOD. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the minimum detection limit (MDL). The LOD is adjusted for sample weight or volume.
- LOQ – Limit of Quantiation: For reports conforming to the DOD ELAP QSM, this is the QSM-defined LOQ. For reports conforming to TNI requirements (but not DOD ELAP QSM requirements), this value is the reporting limit (RL). The LOD is adjusted for sample weight or volume.
- <LOD() – Analyte was not found at a concentration high enough to be reported as detected. It is reported as less than the LOD, and the LOD is given in the parentheses.

- ND – Indicates a non-detect.
- NR – Indicates a value that is not reportable due to issues observed in sample preparation or analysis.
- PR – The associated congener(s) is(are) poorly resolved.
- QI – Indicates the presence of a quantitative interference.
- RL – Reporting Limit. Lowest reportable value. The level is higher than the MDL.
- 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.
- V – The labeled standard recovery is not within method control limits.
- X – Results from re-injection/repeat/second-column analysis.

Lab Identifiers/ Data Attributes

- 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 – Dilution Data. Result was obtained from the analysis of a dilution. 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.
- R – Indicates a re-extraction of the sample.

Sample Custody

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Enthalpy - Wilmington
2714 Exchange Drive
Wilmington, NC 28405
ATTN: Bryan Vining
PO #: 1056100

Enthalpy Order: EO-432518
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

0820-763

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04D	20-AUG-2020 11:45	432518-001	1	Water	EPA 1613 - 2,3,7,8-TCDD only	

Notes:	Relinquished By:	Received By:
		Fed Ex 7713 4243 0879
	Date: 8/24/20 1200	Date: 8/24/20
		Bradley Hoey
	Date:	Date: 8/25/20 12:00
	Date:	Date:

Fedex, 771342430879, cooler, no seal, 3.2°C, TR, On Ice, Good Condition, Bu 8/25/20

This Is The Last Page Of This Report.

Laboratory Job Number 432518

Subcontracted Products

Pace Labs - PA

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 16, 2020

Ranjit Clarke
Enthalpy Analytical
806 N. Batavia St.
Orange, CA 92868

RE: Project: EO-432518
Pace Project No.: 30379127

Dear Ranjit Clarke:

Enclosed are the analytical results for sample(s) received by the laboratory on August 25, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: EO-432518
Pace Project No.: 30379127

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: EO-432518
Pace Project No.: 30379127

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30379127001	**MCWP-MW04D**	Water	08/20/20 11:45	08/25/20 10:15

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Greensburg, PA 15601
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SAMPLE ANALYTE COUNT

Project: EO-432518
Pace Project No.: 30379127

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30379127001	**MCWP-MW04D**	EPA 900.0	CLA	2	PASI-PA
		EPA 903.1	MK1	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	LAL	1	PASI-PA
		EPA 906.0	JAL	1	PASI-PA
		ASTM D5174-97	RMK	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

Sample: MCWP-MW04D **Lab ID: 30379127001** Collected: 08/20/20 11:45 Received: 08/25/20 10:15 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Upon receipt at the laboratory, 5.0 mls of nitric acid were added to the samples to meet the sample preservation requirement of pH <2 for radiological analyses. The samples were preserved <2 within the required 5 days of collection.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**3.85 ± 5.21 (9.96) C:NA T:NA**	pCi/L	09/10/20 18:00	12587-46-1	
Gross Beta	EPA 900.0	**6.52 ± 5.11 (9.31) C:NA T:NA**	pCi/L	09/10/20 18:00	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**-0.0794 ± 0.467 (1.04) C:NA T:77%**	pCi/L	09/14/20 13:30	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**0.192 ± 0.468 (1.04) C:70% T:84%**	pCi/L	09/10/20 14:39	15262-20-1	
		Pace Analytical Services - Greensburg				
Strontium-90	ASTM D5811-95	**-0.197 ± 0.357 (0.735) C:89% T:NA**	pCi/L	09/02/20 17:58	10098-97-2	N2
		Pace Analytical Services - Greensburg				
Tritium	EPA 906.0	**275 ± 148 (226) C:NA T:NA**	pCi/L	09/06/20 05:51	10028-17-8	
		Pace Analytical Services - Greensburg				
Total Uranium	ASTM D5174-97	**6.26 ± 0.221 (0.262) C:NA T:NA**	ug/L	09/11/20 13:16	7440-61-1	

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

QC Batch: 411587
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30379127001

METHOD BLANK: 1990886 Matrix: Water
Associated Lab Samples: 30379127001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0527 ± 0.343 (0.744) C:NA T:92%	pCi/L	09/14/20 13:30	

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REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

QC Batch: 412252
QC Batch Method: ASTM D5174-97
Analysis Method: ASTM D5174-97
Analysis Description: D5174.97 Total Uranium KPA
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30379127001

METHOD BLANK: 1994107 Matrix: Water
Associated Lab Samples: 30379127001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Uranium	-0.018 ± -0.002 (0.262) C:NA T:NA	ug/L	09/11/20 12:16	

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REPORT OF LABORATORY ANALYSIS

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(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

QC Batch: 411821
QC Batch Method: ASTM D5811-95
Analysis Method: ASTM D5811-95
Analysis Description: ASTM D5811 Sr 89/90 Eichrom
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30379127001

METHOD BLANK: 1992081 Matrix: Water
Associated Lab Samples: 30379127001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.328 ± 0.309 (0.648) C:93% T:NA	pCi/L	09/02/20 17:58	N2

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

QC Batch: 412672
QC Batch Method: EPA 900.0
Analysis Method: EPA 900.0
Analysis Description: 900.0 Gross Alpha/Beta
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30379127001

METHOD BLANK: 1995876 Matrix: Water
Associated Lab Samples: 30379127001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.032 ± 0.420 (1.20) C:NA T:NA	pCi/L	09/11/20 08:54	
Gross Beta	0.224 ± 0.745 (1.76) C:NA T:NA	pCi/L	09/11/20 08:54	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

QC Batch: 411586
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30379127001

METHOD BLANK: 1990885 Matrix: Water
Associated Lab Samples: 30379127001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0926 ± 0.381 (0.864) C:73% T:82%	pCi/L	09/10/20 14:42	

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Greensburg, PA 15601
(724)850-5600

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-432518
Pace Project No.: 30379127

QC Batch: 412033
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30379127001

METHOD BLANK: 1993027 Matrix: Water
Associated Lab Samples: 30379127001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	-20.0 ± 127 (226) C:NA T:NA	pCi/L	09/05/20 16:34	

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: EO-432518
Pace Project No.: 30379127

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Labs - PA
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Jacquelyn Collins
PO #: 1056101

Enthalpy Order: EO-432518
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

WO# : 30379127

30379127

Notes:
Strontium-90: ASTM D5811-95 is o.k. if matrix calls for it instead of EPA 905.0
Uranium: ASTM D5174-97 is o.k. if matrix calls for it instead of EPA 908.0

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04D	20-AUG-2020 11:45	432518-001	1	Water	EPA 900.0 Gross Alpha and Beta	001
				Water	EPA 903.1 Radium-226	
				Water	EPA 904.0 Radium-228	
				Water	ASTM D5811-95 Strontium	
				Water	EPA 906.0 Tritium	
				Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FED EX 7713 4254 5024
	Date: 8/24/20 1200	Date: 8/24/20
		Nicole Rund
	Date:	Date: 8/25/2020 1015
		25
	Date:	Date: NMR 8/25/2020

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy

Project # 30379127

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label BLM
LIMS Login BLM

Tracking #: 771342545028

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used 11 Type of Ice: (Wet) Blue None

Cooler Temperature Observed Temp 6.6 °C Correction Factor: -0.4 °C Final Temp: 6.2 °C

Temp should be above freezing to 6°C

pH paper Lot# 10D5191 Date and initials of person examining contents: NMR 8/25/2020

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓	✓		10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. added 5.0mL HNO_3 to four out of the six 1L bottles
All containers meet method preservation requirements.		✓		Initial when completed: NMR Date/time of preservation: 8/25/2020 1520
				Lot # of added preservative: DL20-0871
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:		✓		18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: NMR Date: 8/25/2020

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

Laboratory Job Number 432518

Subcontracted Products

Weck Laboratories, Inc.

WECK LABORATORIES, INC.

Certificate of Analysis

PRELIMINARY REPORT

Work Orders: 0H21065

Project: EO-432518

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 9/22/2020
Received Date: 8/21/2020
Turnaround Time: Normal
Phones: (714) 771-6900
Fax: (714) 771-9933
P.O. #: 1056102
Billing Code:

DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • SCAQMD #93LA1006

This is a preliminary report and is produced for review and guidance purpose only and should not be considered final. Information in this report may be missing or may be changed. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories DOES NOT certify that the test results meet all requirements of TNI. Neither Weck Laboratories, Inc. nor any of its employees, contractors, subcontractors, or their employees make any warrant, expressed or implied, or assume any legal liability or responsibility for use of any information inscribed in this report.

Dear Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/21/20 with the Chain-of-Custody document. The samples were received in good condition, at 4.0 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

DRAFT REPORT
DATA SUBJECT TO CHANGE

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Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432518

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:39

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-MW04D, Alias: 432518-001	Client	0H21065-01	Water	08/20/20 11:45	
FIELD BLANK	Client	0H21065-02	Water	08/20/20 00:00	

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Project Number: EO-432518

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:39

Sample Results

Sample: MCWP-MW04D, Alias: 432518-001
0H21065-01 (Water)

Sampled: 08/20/20 11:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1451 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/26/20 10:02			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,2-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l	1	09/17/20	
1,3-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
1,4-Dichlorobenzene	ND	1.0	ug/l	1	09/17/20	
2,4,6-Trichlorophenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dichlorophenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dimethylphenol	ND	1.0	ug/l	1	09/17/20	
2,4-Dinitrophenol	ND	5.0	ug/l	1	09/17/20	
2,4-Dinitrotoluene	ND	1.0	ug/l	1	09/17/20	
2,6-Dinitrotoluene	ND	1.0	ug/l	1	09/17/20	
2-Chloronaphthalene	ND	1.0	ug/l	1	09/17/20	
2-Chlorophenol	ND	1.0	ug/l	1	09/17/20	
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l	1	09/17/20	
2-Nitrophenol	ND	1.0	ug/l	1	09/17/20	
3,3'-Dichlorobenzidine	ND	1.0	ug/l	1	09/17/20	
4-Bromophenyl phenyl ether	ND	1.0	ug/l	1	09/17/20	
4-Chloro-3-methylphenol	ND	1.0	ug/l	1	09/17/20	
4-Chlorophenyl phenyl ether	ND	1.0	ug/l	1	09/17/20	
4-Nitrophenol	ND	2.0	ug/l	1	09/17/20	
Acenaphthene	ND	1.0	ug/l	1	09/17/20	
Acenaphthylene	ND	1.0	ug/l	1	09/17/20	
Anthracene	ND	1.0	ug/l	1	09/17/20	
Benzidine	ND	10	ug/l	1	09/17/20	
Benzo (a) anthracene	ND	1.0	ug/l	1	09/17/20	
Benzo (a) pyrene	ND	1.0	ug/l	1	09/17/20	
Benzo (b) fluoranthene	ND	1.0	ug/l	1	09/17/20	
Benzo (g,h,i) perylene	ND	1.0	ug/l	1	09/17/20	
Benzo (k) fluoranthene	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroethoxy)methane	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroethyl)ether	ND	1.0	ug/l	1	09/17/20	
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l	1	09/17/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/17/20	
Butyl benzyl phthalate	ND	1.0	ug/l	1	09/17/20	
Chrysene	ND	1.0	ug/l	1	09/17/20	

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Reported: 09/22/2020 09:39

Sample Results

(Continued)

Sample: MCWP-MW04D, Alias: 432518-001
0H21065-01 (Water)

Sampled: 08/20/20 11:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W0H1451 **Preparation:** EPA 625/L-L SF		**Prepared:** 08/26/20 10:02				**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	1.0	ug/l	1	09/17/20	
Diethyl phthalate	ND	1.0	ug/l	1	09/17/20	
Dimethyl phthalate	ND	1.0	ug/l	1	09/17/20	
Di-n-butyl phthalate	ND	1.0	ug/l	1	09/17/20	
Di-n-octyl phthalate	ND	1.0	ug/l	1	09/17/20	
Fluoranthene	ND	1.0	ug/l	1	09/17/20	
Fluorene	ND	1.0	ug/l	1	09/17/20	
Hexachlorobenzene	ND	1.0	ug/l	1	09/17/20	
Hexachlorobutadiene	ND	1.0	ug/l	1	09/17/20	
Hexachlorocyclopentadiene	ND	5.0	ug/l	1	09/17/20	
Hexachloroethane	ND	1.0	ug/l	1	09/17/20	
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l	1	09/17/20	
Isophorone	ND	1.0	ug/l	1	09/17/20	
Naphthalene	ND	1.0	ug/l	1	09/17/20	
Nitrobenzene	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodimethylamine	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodi-n-propylamine	ND	1.0	ug/l	1	09/17/20	
N-Nitrosodiphenylamine	ND	1.0	ug/l	1	09/17/20	
Pentachlorophenol	ND	1.0	ug/l	1	09/17/20	
Phenanthrene	ND	1.0	ug/l	1	09/17/20	
Phenol	ND	1.0	ug/l	1	09/17/20	
Pyrene	ND	1.0	ug/l	1	09/17/20	
Surrogate(s)						
2,4,6-Tribromophenol	*51%*	*Conc: 25.3*	*25-120*		*09/17/20*	
2-Fluorobiphenyl	*33%*	*Conc: 8.17*	*22-120*		*09/17/20*	
2-Fluorophenol	*21%*	*Conc: 10.5*	*17-120*		*09/17/20*	
Nitrobenzene-d5	*29%*	*Conc: 7.32*	*47-120*		*09/17/20*	*S-GC*
Phenol-d5	*14%*	*Conc: 7.22*	*12-120*		*09/17/20*	
Terphenyl-d14	*100%*	*Conc: 24.9*	*44-129*		*09/17/20*	
Anions by IC, EPA Method 300.1						
Method: EPA 300.1		**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)		**Prepared:** 08/26/20 09:34				**Analyst:** jan
Bromate	ND	5.0	ug/l	1	08/27/20	
Chlorite	ND	10	ug/l	1	08/27/20	
Surrogate(s)						

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Sample Results

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Sample: MCWP-MW04D, Alias: 432518-001
0H21065-01 (Water)

Sampled: 08/20/20 11:45 by Client

(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1 (Continued)							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W0H1446 **Preparation:** _NONE (LC)			**Prepared:** 08/26/20 09:34			**Analyst:** jan	
Dichloroacetate	*108%*	*Conc: 541*	*90-115*			*08/27/20*	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC10				
Batch ID: W0I0178 **Preparation:** _NONE (LC)			**Prepared:** 09/02/20 15:04			**Analyst:** jan	
3-Hydroxycarbofuran	ND		2.0	ug/l	1	09/10/20	
Aldicarb	ND		2.0	ug/l	1	09/10/20	
Aldicarb sulfone	ND		2.0	ug/l	1	09/10/20	
Aldicarb sulfoxide	ND		2.0	ug/l	1	09/10/20	
Carbaryl	ND		2.0	ug/l	1	09/10/20	
Carbofuran	ND		2.0	ug/l	1	09/10/20	
Methiocarb	ND		2.0	ug/l	1	09/10/20	
Methomyl	ND		2.0	ug/l	1	09/10/20	
Oxamyl	ND		2.0	ug/l	1	09/10/20	
Propoxur (Baygon)	ND		2.0	ug/l	1	09/10/20	
Surrogate(s)							
BDMC	*106%*	*Conc: 10.6*	*70-130*			*09/10/20*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W0I0008 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 09/01/20 08:17			**Analyst:** amw	
2,4,5-T	ND		0.20	ug/l	1	09/03/20	
2,4,5-TP (Silvex)	ND		0.20	ug/l	1	09/03/20	
2,4-D	ND		0.40	ug/l	1	09/03/20	
2,4-DB	ND		2.0	ug/l	1	09/03/20	
3,5-Dichlorobenzoic acid	ND		1.0	ug/l	1	09/03/20	
Acifluorfen	ND		0.40	ug/l	1	09/03/20	
Bentazon	ND		2.0	ug/l	1	09/03/20	
Dalapon	ND		0.40	ug/l	1	09/03/20	
DCPA	ND		0.10	ug/l	1	09/03/20	
Dicamba	ND		0.60	ug/l	1	09/03/20	
Dichloroprop	ND		0.30	ug/l	1	09/03/20	
Dinoseb	ND		0.40	ug/l	1	09/03/20	
Pentachlorophenol	ND		0.20	ug/l	1	09/03/20	
Picloram	ND		0.60	ug/l	1	09/03/20	
Surrogate(s)							
2,4-DCAA	*99%*	*Conc: 9.93*	*70-130*			*09/03/20*	

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Sample Results

(Continued)

Sample: MCWP-MW04D, Alias: 432518-001
0H21065-01 (Water)

Sampled: 08/20/20 11:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD						
Method: EPA 508		**Instr:** GC07				
Batch ID: W0H1544 **Preparation:** EPA 508/L-L SF		**Prepared:** 08/27/20 12:30				**Analyst:** AMW
4,4´-DDD	ND	0.010	ug/l	1	09/09/20	
4,4´-DDE	ND	0.010	ug/l	1	09/09/20	
4,4´-DDT	ND	0.010	ug/l	1	09/09/20	
Aldrin	ND	0.010	ug/l	1	09/09/20	
alpha-BHC	ND	0.010	ug/l	1	09/09/20	
Aroclor 1016	ND	0.10	ug/l	1	09/09/20	
Aroclor 1221	ND	0.10	ug/l	1	09/09/20	
Aroclor 1232	ND	0.10	ug/l	1	09/09/20	
Aroclor 1242	ND	0.10	ug/l	1	09/09/20	
Aroclor 1248	ND	0.10	ug/l	1	09/09/20	
Aroclor 1254	ND	0.10	ug/l	1	09/09/20	
Aroclor 1260	ND	0.10	ug/l	1	09/09/20	
beta-BHC	ND	0.010	ug/l	1	09/09/20	
Chlordane (tech)	ND	0.10	ug/l	1	09/09/20	
Chlorothalonil	ND	0.050	ug/l	1	09/09/20	
delta-BHC	ND	0.010	ug/l	1	09/09/20	
Dieldrin	ND	0.010	ug/l	1	09/09/20	
Endosulfan I	ND	0.010	ug/l	1	09/09/20	
Endosulfan II	ND	0.010	ug/l	1	09/09/20	
Endosulfan sulfate	ND	0.010	ug/l	1	09/09/20	
Endrin	ND	0.010	ug/l	1	09/09/20	
Endrin aldehyde	ND	0.010	ug/l	1	09/09/20	
gamma-BHC (Lindane)	ND	0.010	ug/l	1	09/09/20	
Heptachlor	ND	0.010	ug/l	1	09/09/20	
Heptachlor epoxide	ND	0.010	ug/l	1	09/09/20	
Hexachlorobenzene	ND	0.050	ug/l	1	09/09/20	
Hexachlorocyclopentadiene	ND	0.050	ug/l	1	09/09/20	
Methoxychlor	ND	0.010	ug/l	1	09/09/20	
PCBs, Total	ND	0.50	ug/l	1	09/09/20	
Propachlor	ND	0.050	ug/l	1	09/09/20	
Toxaphene	ND	0.50	ug/l	1	09/09/20	
Trifluralin	ND	0.010	ug/l	1	09/09/20	
Surrogate(s)						
Decachlorobiphenyl	*93%*	*Conc: 0.0932*	*70-130*		*09/09/20*	
Tetrachloro-meta-xylene	*72%*	*Conc: 0.0722*	*70-130*		*09/09/20*	

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Sample Results

(Continued)

Sample: MCWP-MW04D, Alias: 432518-001

Sampled: 08/20/20 11:45 by Client

0H21065-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC11				
Batch ID: W0H1195 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/21/20 14:35				**Analyst:** jna
Diquat	ND	4.0	ug/l	1	09/01/20	
Paraquat	ND	4.0	ug/l	1	09/01/20	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W0H1346 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/25/20 08:03				**Analyst:** rmr
Endothall	ND	40	ug/l	1	08/27/20	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC10				
Batch ID: W0H1697 **Preparation:** _NONE (LC)		**Prepared:** 08/31/20 16:20				**Analyst:** jan
Glyphosate	ND	5.0	ug/l	1	09/01/20	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W0H1575 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 08/28/20 08:39				**Analyst:** rjg
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	09/02/20	
Dichloroacetic acid (dcaa)	ND	1.0	ug/l	1	09/02/20	
HAA5, Total	ND	1.0	ug/l	1	09/02/20	
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	09/02/20	
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	09/02/20	
Trichloroacetic acid (tcaa)	ND	1.0	ug/l	1	09/02/20	
Surrogate(s)						
2-Bromobutyric acid	*100%*	*Conc: 10.0*	*70-130*		*09/02/20*	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Alachlor	ND	0.10	ug/l	1	09/04/20	
Atrazine	ND	0.10	ug/l	1	09/04/20	
Benzo (a) pyrene	ND	0.10	ug/l	1	09/04/20	
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l	1	09/04/20	
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l	1	09/04/20	
Bromacil	ND	0.50	ug/l	1	09/04/20	
Butachlor	ND	0.10	ug/l	1	09/04/20	
Captan	ND	1.0	ug/l	1	09/04/20	BS-04
Chlorpropham	ND	0.10	ug/l	1	09/04/20	
Cyanazine	ND	0.10	ug/l	1	09/04/20	BS-04
Diazinon	ND	0.10	ug/l	1	09/04/20	
Dimethoate	ND	0.20	ug/l	1	09/04/20	BS-04

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Sample Results

(Continued)

Sample: MCWP-MW04D, Alias: 432518-001
0H21065-01 (Water)

Sampled: 08/20/20 11:45 by Client
(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W0I0009 **Preparation:** EPA 525.2/SPE		**Prepared:** 09/01/20 08:54				**Analyst:** rmr
Diphenamid	ND	0.10	ug/l	1	09/04/20	
Disulfoton	ND	0.10	ug/l	1	09/04/20	
EPTC	ND	0.10	ug/l	1	09/04/20	
Metolachlor	ND	0.10	ug/l	1	09/04/20	
Metribuzin	ND	0.10	ug/l	1	09/04/20	
Molinate	ND	0.10	ug/l	1	09/04/20	
Prometon	ND	0.10	ug/l	1	09/04/20	
Prometryn	ND	0.10	ug/l	1	09/04/20	
Simazine	ND	0.10	ug/l	1	09/04/20	
Terbacil	ND	2.0	ug/l	1	09/04/20	BS-04
Thiobencarb	ND	0.10	ug/l	1	09/04/20	
Trithion	ND	0.10	ug/l	1	09/04/20	BS-04
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*96%*	*Conc: 4.79*	*70-130*		*09/04/20*	
Perylene-d12	*86%*	*Conc: 4.30*	*50-120*		*09/04/20*	
Triphenyl phosphate	*107%*	*Conc: 5.36*	*70-130*		*09/04/20*	
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/26/20	

Sample: MCWP-MW04D, Alias: 432518-001
0H21065-01RE1 (Water)

Sampled: 08/20/20 11:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		**Instr:** LC13				
Batch ID: W0I0002 **Preparation:** _NONE (LC)		**Prepared:** 09/01/20 00:27				**Analyst:** jan
Chromium 6+	ND	0.10	ug/l	5	09/02/20	M-05
Nitrosamines by isotopic dilution GC/MS CI Mode						
Method: EPA 1625M		**Instr:** GCMS09				
Batch ID: W0H1369 **Preparation:** EPA 3535/SPE		**Prepared:** 08/25/20 10:29				**Analyst:** mld
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/31/20	

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Sample Results

(Continued)

Sample: FIELD BLANK
0H21065-02 (Water)

Sampled: 08/20/20 0:00 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS						
Method: EPA 524.3		**Instr:** GCMS04				
Batch ID: W0H1345 **Preparation:** EPA 524.2 P&T		**Prepared:** 08/25/20 07:48				**Analyst:** adm
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l	1	08/26/20	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l	1	08/26/20	

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Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1										
Blank (W0H1451-BLK1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,4,6-Trichlorophenol	ND	1.0	ug/l							
2,4-Dichlorophenol	ND	1.0	ug/l							
2,4-Dimethylphenol	ND	1.0	ug/l							
2,4-Dinitrophenol	ND	5.0	ug/l							
2,4-Dinitrotoluene	ND	1.0	ug/l							
2,6-Dinitrotoluene	ND	1.0	ug/l							
2-Chloronaphthalene	ND	1.0	ug/l							
2-Chlorophenol	ND	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	1.0	ug/l							
2-Nitrophenol	ND	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	1.0	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	ug/l							
4-Chloro-3-methylphenol	ND	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	1.0	ug/l							
4-Nitrophenol	ND	2.0	ug/l							
Acenaphthene	ND	1.0	ug/l							
Acenaphthylene	ND	1.0	ug/l							
Anthracene	ND	1.0	ug/l							
Benzidine	ND	10	ug/l							
Benzo (a) anthracene	ND	1.0	ug/l							
Benzo (a) pyrene	ND	1.0	ug/l							
Benzo (b) fluoranthene	ND	1.0	ug/l							
Benzo (g,h,i) perylene	ND	1.0	ug/l							
Benzo (k) fluoranthene	ND	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Butyl benzyl phthalate	ND	1.0	ug/l							
Chrysene	ND	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	1.0	ug/l							
Diethyl phthalate	ND	1.0	ug/l							
Dimethyl phthalate	ND	1.0	ug/l							
Di-n-butyl phthalate	ND	1.0	ug/l							

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Project Number: EO-432518

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:39

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
Blank (W0H1451-BLK1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
Di-n-octyl phthalate	ND	1.0	ug/l							
Fluoranthene	ND	1.0	ug/l							
Fluorene	ND	1.0	ug/l							
Hexachlorobenzene	ND	1.0	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
Hexachlorocyclopentadiene	ND	5.0	ug/l							
Hexachloroethane	ND	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	1.0	ug/l							
Isophorone	ND	1.0	ug/l							
Naphthalene	ND	1.0	ug/l							
Nitrobenzene	ND	1.0	ug/l							
N-Nitrosodimethylamine	ND	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	1.0	ug/l							
N-Nitrosodiphenylamine	ND	1.0	ug/l							
Pentachlorophenol	ND	1.0	ug/l							
Phenanthrene	ND	1.0	ug/l							
Phenol	ND	1.0	ug/l							
Pyrene	ND	1.0	ug/l							
Surrogate(s)										
2,4,6-Tribromophenol	*26.9*		*ug/l*	*50.0*		*54*	*25-120*			
2-Fluorobiphenyl	*17.3*		*ug/l*	*25.0*		*69*	*22-120*			
2-Fluorophenol	*28.3*		*ug/l*	*50.0*		*57*	*17-120*			
Nitrobenzene-d5	*18.7*		*ug/l*	*25.0*		*75*	*47-120*			
Phenol-d5	*17.5*		*ug/l*	*50.0*		*35*	*12-120*			
Terphenyl-d14	*21.7*		*ug/l*	*25.0*		*87*	*44-129*			
LCS (W0H1451-BS1)				**Prepared: 08/26/20 Analyzed: 09/17/20**						
1,2,4-Trichlorobenzene	19.0	1.0	ug/l	25.0		76	57-130			
1,2-Dichlorobenzene	18.6	1.0	ug/l	25.0		74	57-120			
1,3-Dichlorobenzene	18.5	1.0	ug/l	25.0		74	55-120			
1,4-Dichlorobenzene	18.2	1.0	ug/l	25.0		73	55-120			
2,4,6-Trichlorophenol	19.0	1.0	ug/l	25.0		76	52-129			
2,4-Dichlorophenol	20.8	1.0	ug/l	25.0		83	53-122			
2,4-Dimethylphenol	20.4	1.0	ug/l	25.0		81	42-120			
2,4-Dinitrophenol	21.8	5.0	ug/l	25.0		87	0.1-173			
2,4-Dinitrotoluene	20.0	1.0	ug/l	25.0		80	48-127			
2,6-Dinitrotoluene	19.8	1.0	ug/l	25.0		79	68-137			
2-Chloronaphthalene	18.9	1.0	ug/l	25.0		76	65-120			
2-Chlorophenol	20.2	1.0	ug/l	25.0		81	36-120			
2-Methyl-4,6-dinitrophenol	19.5	1.0	ug/l	25.0		78	53-130			

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Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
LCS (W0H1451-BS1)				**Prepared: 08/26/20**	**Analyzed: 09/17/20**					
2-Nitrophenol	20.1	1.0	ug/l	25.0		81	45-167			
3,3'-Dichlorobenzidine	25.7	1.0	ug/l	25.0		103	8-213			
4-Bromophenyl phenyl ether	20.0	1.0	ug/l	25.0		80	65-120			
4-Chloro-3-methylphenol	19.1	1.0	ug/l	25.0		76	41-128			
4-Chlorophenyl phenyl ether	18.5	1.0	ug/l	25.0		74	38-145			
4-Nitrophenol	7.53	2.0	ug/l	25.0		30	13-129			
Acenaphthene	20.9	1.0	ug/l	25.0		84	60-132			
Acenaphthylene	20.7	1.0	ug/l	25.0		83	54-126			
Anthracene	22.5	1.0	ug/l	25.0		90	43-120			
Benzo (a) anthracene	21.9	1.0	ug/l	25.0		88	42-133			
Benzo (a) pyrene	25.2	1.0	ug/l	25.0		101	32-148			
Benzo (b) fluoranthene	26.2	1.0	ug/l	25.0		105	42-140			AN-IP
Benzo (g,h,i) perylene	27.0	1.0	ug/l	25.0		108	0.1-195			
Benzo (k) fluoranthene	25.4	1.0	ug/l	25.0		102	25-146			AN-IP
Bis(2-chloroethoxy)methane	19.9	1.0	ug/l	25.0		80	49-165			
Bis(2-chloroethyl)ether	18.6	1.0	ug/l	25.0		74	43-126			
Bis(2-chloroisopropyl)ether	19.3	1.0	ug/l	25.0		77	63-139			
Bis(2-ethylhexyl)phthalate	23.0	2.0	ug/l	25.0		92	29-137			
Butyl benzyl phthalate	23.1	1.0	ug/l	25.0		93	0.1-140			
Chrysene	25.2	1.0	ug/l	25.0		101	44-140			
Dibenzo (a,h) anthracene	25.4	1.0	ug/l	25.0		101	0.1-200			
Diethyl phthalate	21.3	1.0	ug/l	25.0		85	0.1-120			
Dimethyl phthalate	19.5	1.0	ug/l	25.0		78	0.1-120			
Di-n-butyl phthalate	25.4	1.0	ug/l	25.0		102	8-120			
Di-n-octyl phthalate	25.0	1.0	ug/l	25.0		100	19-132			
Fluoranthene	22.3	1.0	ug/l	25.0		89	43-121			
Fluorene	20.2	1.0	ug/l	25.0		81	70-120			
Hexachlorobenzene	20.6	1.0	ug/l	25.0		82	8-142			
Hexachlorobutadiene	21.1	1.0	ug/l	25.0		84	38-120			
Hexachlorocyclopentadiene	11.5	5.0	ug/l	25.0		46	10-120			
Hexachloroethane	19.3	1.0	ug/l	25.0		77	55-120			
Indeno (1,2,3-cd) pyrene	25.1	1.0	ug/l	25.0		100	0.1-151			
Isophorone	19.0	1.0	ug/l	25.0		76	47-180			
Naphthalene	19.8	1.0	ug/l	25.0		79	36-120			
Nitrobenzene	19.1	1.0	ug/l	25.0		76	54-158			
N-Nitrosodimethylamine	14.0	1.0	ug/l	25.0		56	22-120			
N-Nitrosodi-n-propylamine	20.7	1.0	ug/l	25.0		83	14-198			
N-Nitrosodiphenylamine	16.5	1.0	ug/l	25.0		66	47-120			
Pentachlorophenol	18.9	1.0	ug/l	25.0		76	41-120			

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
LCS (W0H1451-BS1)				**Prepared: 08/26/20**	**Analyzed: 09/17/20**					
Phenanthrene	22.8	1.0	ug/l	25.0		91	65-120			
Phenol	8.24	1.0	ug/l	25.0		33	17-120			
Pyrene	23.3	1.0	ug/l	25.0		93	70-120			
Surrogate(s)										
2,4,6-Tribromophenol	*35.9*		*ug/l*	*50.0*		*72*	*25-120*			
2-Fluorobiphenyl	*18.3*		*ug/l*	*25.0*		*73*	*22-120*			
2-Fluorophenol	*27.4*		*ug/l*	*50.0*		*55*	*17-120*			
Nitrobenzene-d5	*18.5*		*ug/l*	*25.0*		*74*	*47-120*			
Phenol-d5	*16.8*		*ug/l*	*50.0*		*34*	*12-120*			
Terphenyl-d14	*25.5*		*ug/l*	*25.0*		*102*	*44-129*			
LCS Dup (W0H1451-BSD1)				**Prepared: 08/26/20**	**Analyzed: 09/16/20**					
1,2,4-Trichlorobenzene	19.5	1.0	ug/l	25.0		78	57-130	3	30	
1,2-Dichlorobenzene	18.5	1.0	ug/l	25.0		74	57-120	0.4	30	
1,3-Dichlorobenzene	18.2	1.0	ug/l	25.0		73	55-120	1	30	
1,4-Dichlorobenzene	18.1	1.0	ug/l	25.0		72	55-120	0.8	30	
2,4,6-Trichlorophenol	19.5	1.0	ug/l	25.0		78	52-129	3	30	
2,4-Dichlorophenol	21.3	1.0	ug/l	25.0		85	53-122	2	30	
2,4-Dimethylphenol	21.7	1.0	ug/l	25.0		87	42-120	6	30	
2,4-Dinitrophenol	22.1	5.0	ug/l	25.0		88	0.1-173	2	30	
2,4-Dinitrotoluene	18.5	1.0	ug/l	25.0		74	48-127	8	30	
2,6-Dinitrotoluene	19.2	1.0	ug/l	25.0		77	68-137	3	30	
2-Chloronaphthalene	19.8	1.0	ug/l	25.0		79	65-120	5	30	
2-Chlorophenol	20.0	1.0	ug/l	25.0		80	36-120	1	30	
2-Methyl-4,6-dinitrophenol	17.9	1.0	ug/l	25.0		71	53-130	9	30	
2-Nitrophenol	20.6	1.0	ug/l	25.0		82	45-167	2	30	
3,3'-Dichlorobenzidine	20.4	1.0	ug/l	25.0		82	8-213	23	30	
4-Bromophenyl phenyl ether	19.2	1.0	ug/l	25.0		77	65-120	5	30	
4-Chloro-3-methylphenol	19.6	1.0	ug/l	25.0		78	41-128	2	30	
4-Chlorophenyl phenyl ether	18.6	1.0	ug/l	25.0		74	38-145	0.5	30	
4-Nitrophenol	7.26	2.0	ug/l	25.0		29	13-129	4	30	
Acenaphthene	21.1	1.0	ug/l	25.0		84	60-132	0.9	30	
Acenaphthylene	21.3	1.0	ug/l	25.0		85	54-126	3	30	
Anthracene	20.4	1.0	ug/l	25.0		82	43-120	10	30	
Benzo (a) anthracene	18.4	1.0	ug/l	25.0		74	42-133	18	30	
Benzo (a) pyrene	20.9	1.0	ug/l	25.0		84	32-148	18	30	
Benzo (b) fluoranthene	22.1	1.0	ug/l	25.0		88	42-140	17	30	AN-IP
Benzo (g,h,i) perylene	23.0	1.0	ug/l	25.0		92	0.1-195	16	30	
Benzo (k) fluoranthene	21.6	1.0	ug/l	25.0		86	25-146	16	30	AN-IP
Bis(2-chloroethoxy)methane	20.9	1.0	ug/l	25.0		83	49-165	5	30	

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Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1451 - EPA 625.1 (Continued)										
LCS Dup (W0H1451-BSD1)				**Prepared: 08/26/20**	**Analyzed: 09/16/20**					
Bis(2-chloroethyl)ether	18.3	1.0	ug/l	25.0		73	43-126	2	30	
Bis(2-chloroisopropyl)ether	19.3	1.0	ug/l	25.0		77	63-139	0.3	30	
Bis(2-ethylhexyl)phthalate	41.2	2.0	ug/l	25.0		165	29-137	57	30	BS-04
Butyl benzyl phthalate	19.6	1.0	ug/l	25.0		78	0.1-140	17	30	
Chrysene	21.3	1.0	ug/l	25.0		85	44-140	17	30	
Dibenzo (a,h) anthracene	22.0	1.0	ug/l	25.0		88	0.1-200	14	30	
Diethyl phthalate	19.9	1.0	ug/l	25.0		80	0.1-120	7	30	
Dimethyl phthalate	18.9	1.0	ug/l	25.0		76	0.1-120	3	30	
Di-n-butyl phthalate	21.8	1.0	ug/l	25.0		87	8-120	15	30	
Di-n-octyl phthalate	21.6	1.0	ug/l	25.0		87	19-132	14	30	
Fluoranthene	19.8	1.0	ug/l	25.0		79	43-121	12	30	
Fluorene	19.8	1.0	ug/l	25.0		79	70-120	2	30	
Hexachlorobenzene	19.4	1.0	ug/l	25.0		77	8-142	6	30	
Hexachlorobutadiene	20.8	1.0	ug/l	25.0		83	38-120	1	30	
Hexachlorocyclopentadiene	12.3	5.0	ug/l	25.0		49	10-120	7	30	
Hexachloroethane	18.8	1.0	ug/l	25.0		75	55-120	3	30	
Indeno (1,2,3-cd) pyrene	21.3	1.0	ug/l	25.0		85	0.1-151	16	30	
Isophorone	19.7	1.0	ug/l	25.0		79	47-180	4	30	
Naphthalene	20.1	1.0	ug/l	25.0		80	36-120	1	30	
Nitrobenzene	19.4	1.0	ug/l	25.0		77	54-158	1	30	
N-Nitrosodimethylamine	14.5	1.0	ug/l	25.0		58	22-120	4	30	
N-Nitrosodi-n-propylamine	21.4	1.0	ug/l	25.0		86	14-198	3	30	
N-Nitrosodiphenylamine	15.5	1.0	ug/l	25.0		62	47-120	6	30	
Pentachlorophenol	17.8	1.0	ug/l	25.0		71	41-120	6	30	
Phenanthrene	20.7	1.0	ug/l	25.0		83	65-120	10	30	
Phenol	8.49	1.0	ug/l	25.0		34	17-120	3	30	
Pyrene	20.5	1.0	ug/l	25.0		82	70-120	13	30	
Surrogate(s)										
2,4,6-Tribromophenol	*34.6*		*ug/l*	*50.0*		*69*	*25-120*			
2-Fluorobiphenyl	*19.0*		*ug/l*	*25.0*		*76*	*22-120*			
2-Fluorophenol	*27.7*		*ug/l*	*50.0*		*55*	*17-120*			
Nitrobenzene-d5	*19.1*		*ug/l*	*25.0*		*76*	*47-120*			
Phenol-d5	*17.3*		*ug/l*	*50.0*		*35*	*12-120*			
Terphenyl-d14	*23.5*		*ug/l*	*25.0*		*94*	*44-129*			

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Project Number: EO-432518

Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1446 - EPA 300.1										
Blank (W0H1446-BLK1)				**Prepared & Analyzed: 08/26/20**						
Bromate	ND	5.0	ug/l							
Chlorite	ND	10	ug/l							
Surrogate(s)										
Dichloroacetate	*513*		*ug/l*	*500*		*103*	*90-115*			
Dichloroacetate	*513*		*ug/l*	*500*		*103*	*90-115*			
LCS (W0H1446-BS1)				**Prepared & Analyzed: 08/26/20**						
Bromate	97.8	5.0	ug/l	100		98	85-115			
Chlorite	98.4	10	ug/l	100		98	85-115			
Surrogate(s)										
Dichloroacetate	*569*		*ug/l*	*500*		*114*	*90-115*			
Dichloroacetate	*569*		*ug/l*	*500*		*114*	*90-115*			
Matrix Spike (W0H1446-MS1)	**Source: 0H14013-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	95.8	5.0	ug/l	100	ND	96	64-133			
Chlorite	96.0	10	ug/l	100	ND	96	78-129			
Surrogate(s)										
Dichloroacetate	*546*		*ug/l*	*500*		*109*	*90-115*			
Dichloroacetate	*546*		*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W0H1446-MS2)	**Source: 0H25036-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	121	5.0	ug/l	100	ND	121	64-133			
Chlorite	102	10	ug/l	100	ND	102	78-129			
Surrogate(s)										
Dichloroacetate	*525*		*ug/l*	*500*		*105*	*90-115*			
Dichloroacetate	*525*		*ug/l*	*500*		*105*	*90-115*			
Matrix Spike Dup (W0H1446-MSD1)	**Source: 0H14013-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	100	5.0	ug/l	100	ND	100	64-133	5	20	
Chlorite	93.4	10	ug/l	100	ND	93	78-129	3	20	
Surrogate(s)										
Dichloroacetate	*538*		*ug/l*	*500*		*108*	*90-115*			
Dichloroacetate	*538*		*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W0H1446-MSD2)	**Source: 0H25036-01**			**Prepared & Analyzed: 08/26/20**						
Bromate	100	5.0	ug/l	100	ND	100	64-133	18	20	
Chlorite	95.4	10	ug/l	100	ND	95	78-129	7	20	
Surrogate(s)										
Dichloroacetate	*561*		*ug/l*	*500*		*112*	*90-115*			
Dichloroacetate	*561*		*ug/l*	*500*		*112*	*90-115*			

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931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-432518

Project Manager: Ranjit Clarke

Reported:
09/22/2020 09:39

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0178 - EPA 531.2										
Blank (W0I0178-BLK1)				**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	ND	2.0	ug/l							
Aldicarb	ND	2.0	ug/l							
Aldicarb sulfone	ND	2.0	ug/l							
Aldicarb sulfoxide	ND	2.0	ug/l							
Carbaryl	ND	2.0	ug/l							
Carbofuran	ND	2.0	ug/l							
Methiocarb	ND	2.0	ug/l							
Methomyl	ND	2.0	ug/l							
Oxamyl	ND	2.0	ug/l							
Propoxur (Baygon)	ND	2.0	ug/l							
Surrogate(s)										
BDMC	*8.65*		*ug/l*	*10.0*		*87*	*70-130*			
LCS (W0I0178-BS1)				**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	10.8	2.0	ug/l	10.0		108	70-130			
Aldicarb	9.56	2.0	ug/l	10.0		96	70-130			
Aldicarb sulfone	12.3	2.0	ug/l	10.0		123	70-130			
Aldicarb sulfoxide	11.1	2.0	ug/l	10.0		111	70-130			
Carbaryl	10.6	2.0	ug/l	10.0		106	70-130			
Carbofuran	12.4	2.0	ug/l	10.0		124	70-130			
Methiocarb	11.4	2.0	ug/l	10.0		114	70-130			
Methomyl	12.6	2.0	ug/l	10.0		126	70-130			
Oxamyl	11.9	2.0	ug/l	10.0		119	70-130			
Propoxur (Baygon)	12.5	2.0	ug/l	10.0		125	70-130			
Surrogate(s)										
BDMC	*10.7*		*ug/l*	*10.0*		*107*	*70-130*			
Matrix Spike (W0I0178-MS1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	11.6	2.0	ug/l	10.0	ND	116	70-130			
Aldicarb	10.4	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfone	11.6	2.0	ug/l	10.0	ND	116	70-130			
Aldicarb sulfoxide	12.0	2.0	ug/l	10.0	ND	120	70-130			
Carbaryl	10.5	2.0	ug/l	10.0	ND	105	70-130			
Carbofuran	11.1	2.0	ug/l	10.0	ND	111	70-130			
Methiocarb	11.2	2.0	ug/l	10.0	ND	112	70-130			
Methomyl	11.5	2.0	ug/l	10.0	ND	115	70-130			
Oxamyl	10.7	2.0	ug/l	10.0	ND	107	70-130			
Propoxur (Baygon)	11.2	2.0	ug/l	10.0	ND	112	70-130			
Surrogate(s)										
BDMC	*10.4*		*ug/l*	*10.0*		*104*	*70-130*			
Matrix Spike Dup (W0I0178-MSD1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
3-Hydroxycarbofuran	11.0	2.0	ug/l	10.0	ND	110	70-130	5	30	

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Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0178 - EPA 531.2 (Continued)										
Matrix Spike Dup (W0I0178-MSD1)	**Source: 0H18001-01**			**Prepared: 09/02/20**	**Analyzed: 09/09/20**					
Aldicarb	11.1	2.0	ug/l	10.0	ND	111	70-130	6	30	
Aldicarb sulfone	10.7	2.0	ug/l	10.0	ND	107	70-130	8	30	
Aldicarb sulfoxide	11.3	2.0	ug/l	10.0	ND	113	70-130	6	30	
Carbaryl	10.4	2.0	ug/l	10.0	ND	104	70-130	0.6	30	
Carbofuran	11.2	2.0	ug/l	10.0	ND	112	70-130	0.9	30	
Methiocarb	11.5	2.0	ug/l	10.0	ND	115	70-130	3	30	
Methomyl	11.5	2.0	ug/l	10.0	ND	115	70-130	0.1	30	
Oxamyl	13.0	2.0	ug/l	10.0	ND	130	70-130	19	30	
Propoxur (Baygon)	12.2	2.0	ug/l	10.0	ND	122	70-130	9	30	
Surrogate(s)										
BDMC	*10.2*		*ug/l*	*10.0*		*102*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0008 - EPA 515.4										
Blank (W0I0008-BLK1)				**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	ug/l							
2,4-D	ND	0.40	ug/l							
2,4-DB	ND	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	1.0	ug/l							
Acifluorfen	ND	0.40	ug/l							
Bentazon	ND	2.0	ug/l							
Dalapon	ND	0.40	ug/l							
DCPA	ND	0.10	ug/l							
Dicamba	ND	0.60	ug/l							
Dichloroprop	ND	0.30	ug/l							
Dinoseb	ND	0.40	ug/l							
Pentachlorophenol	ND	0.20	ug/l							
Picloram	ND	0.60	ug/l							
Surrogate(s)										
2,4-DCAA	*11.1*		*ug/l*	*10.0*		*111*	*70-130*			
LCS (W0I0008-BS1)				**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	4.22	0.20	ug/l	4.00		106	70-130			
2,4,5-TP (Silvex)	4.19	0.20	ug/l	4.00		105	70-130			
2,4-D	8.75	0.40	ug/l	8.00		109	70-130			
2,4-DB	19.4	2.0	ug/l	16.0		121	70-130			
3,5-Dichlorobenzoic acid	8.55	1.0	ug/l	8.00		107	70-130			
Acifluorfen	4.33	0.40	ug/l	4.00		108	70-130			
Bentazon	16.5	2.0	ug/l	16.0		103	70-130			
Dalapon	9.60	0.40	ug/l	8.00		120	70-130			
DCPA	4.70	0.10	ug/l	4.00		118	70-130			
Dicamba	8.29	0.60	ug/l	8.00		104	70-130			
Dichloroprop	8.60	0.30	ug/l	8.00		107	70-130			
Dinoseb	4.15	0.40	ug/l	4.00		104	70-130			
Pentachlorophenol	4.78	0.20	ug/l	4.00		120	70-130			
Picloram	4.71	0.60	ug/l	4.00		118	70-130			
Surrogate(s)										
2,4-DCAA	*12.1*		*ug/l*	*10.0*		*121*	*70-130*			
Matrix Spike (W0I0008-MS1)	**Source: 0H25012-01**			**Prepared: 09/01/20 Analyzed: 09/02/20**						
2,4,5-T	4.23	0.20	ug/l	4.00	ND	106	70-130			
2,4,5-TP (Silvex)	4.29	0.20	ug/l	4.00	ND	107	70-130			
2,4-D	8.65	0.40	ug/l	8.00	ND	108	70-130			
2,4-DB	23.0	2.0	ug/l	16.0	ND	144	70-130			MS-07
3,5-Dichlorobenzoic acid	8.78	1.0	ug/l	8.00	ND	110	70-130			

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Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0008 - EPA 515.4 (Continued)										
Matrix Spike (W0I0008-MS1)	**Source: 0H25012-01**			**Prepared: 09/01/20**	**Analyzed: 09/02/20**					
Acifluorfen	4.31	0.40	ug/l	4.00	ND	108	70-130			
Bentazon	16.5	2.0	ug/l	16.0	ND	103	70-130			
Dalapon	8.80	0.40	ug/l	8.00	ND	110	70-130			
DCPA	4.59	0.10	ug/l	4.00	ND	115	70-130			
Dicamba	8.34	0.60	ug/l	8.00	ND	104	70-130			
Dichloroprop	8.70	0.30	ug/l	8.00	ND	109	70-130			
Dinoseb	4.08	0.40	ug/l	4.00	ND	102	70-130			
Pentachlorophenol	4.76	0.20	ug/l	4.00	ND	119	70-130			
Picloram	4.62	0.60	ug/l	4.00	ND	116	70-130			
Surrogate(s)										
2,4-DCAA	*12.3*		*ug/l*	*10.0*		*123*	*70-130*			
Matrix Spike Dup (W0I0008-MSD1)	**Source: 0H25012-01**			**Prepared: 09/01/20**	**Analyzed: 09/02/20**					
2,4,5-T	4.18	0.20	ug/l	4.00	ND	104	70-130	1	30	
2,4,5-TP (Silvex)	4.22	0.20	ug/l	4.00	ND	106	70-130	1	30	
2,4-D	8.59	0.40	ug/l	8.00	ND	107	70-130	0.8	30	
2,4-DB	23.1	2.0	ug/l	16.0	ND	144	70-130	0.4	30	MS-07
3,5-Dichlorobenzoic acid	8.73	1.0	ug/l	8.00	ND	109	70-130	0.6	30	
Acifluorfen	4.19	0.40	ug/l	4.00	ND	105	70-130	3	30	
Bentazon	16.4	2.0	ug/l	16.0	ND	103	70-130	0.2	30	
Dalapon	8.87	0.40	ug/l	8.00	ND	111	70-130	0.8	30	
DCPA	4.55	0.10	ug/l	4.00	ND	114	70-130	1	30	
Dicamba	8.25	0.60	ug/l	8.00	ND	103	70-130	1	30	
Dichloroprop	8.61	0.30	ug/l	8.00	ND	108	70-130	1	30	
Dinoseb	3.98	0.40	ug/l	4.00	ND	100	70-130	2	30	
Pentachlorophenol	4.72	0.20	ug/l	4.00	ND	118	70-130	0.9	30	
Picloram	4.57	0.60	ug/l	4.00	ND	114	70-130	1	30	
Surrogate(s)										
2,4-DCAA	*12.3*		*ug/l*	*10.0*		*123*	*70-130*			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1544 - EPA 508										
Blank (W0H1544-BLK1)				**Prepared: 08/27/20 Analyzed: 09/09/20**						
4,4´-DDD	ND	0.010	ug/l							
4,4´-DDE	ND	0.010	ug/l							
4,4´-DDT	ND	0.010	ug/l							
Aldrin	ND	0.010	ug/l							
alpha-BHC	ND	0.010	ug/l							
Aroclor 1016	ND	0.10	ug/l							
Aroclor 1221	ND	0.10	ug/l							
Aroclor 1232	ND	0.10	ug/l							
Aroclor 1242	ND	0.10	ug/l							
Aroclor 1248	ND	0.10	ug/l							
Aroclor 1254	ND	0.10	ug/l							
Aroclor 1260	ND	0.10	ug/l							
beta-BHC	ND	0.010	ug/l							
Chlordane (tech)	ND	0.10	ug/l							
Chlorothalonil	ND	0.050	ug/l							
delta-BHC	ND	0.010	ug/l							
Dieldrin	ND	0.010	ug/l							
Endosulfan I	ND	0.010	ug/l							
Endosulfan II	ND	0.010	ug/l							
Endosulfan sulfate	ND	0.010	ug/l							
Endrin	ND	0.010	ug/l							
Endrin aldehyde	ND	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.010	ug/l							
Heptachlor	ND	0.010	ug/l							
Heptachlor epoxide	ND	0.010	ug/l							
Hexachlorobenzene	ND	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.050	ug/l							
Methoxychlor	ND	0.010	ug/l							
PCBs, Total	ND	0.50	ug/l							
Propachlor	ND	0.050	ug/l							
Toxaphene	ND	0.50	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
Decachlorobiphenyl	*0.0915*		*ug/l*	*0.100*		*92*	*70-130*			
Tetrachloro-meta-xylene	*0.0745*		*ug/l*	*0.100*		*75*	*70-130*			
LCS (W0H1544-BS1)				**Prepared: 08/27/20 Analyzed: 09/08/20**						
4,4´-DDD	0.0874	0.010	ug/l	0.100		87	77-137			
4,4´-DDE	0.0922	0.010	ug/l	0.100		92	69-129			
4,4´-DDT	0.101	0.010	ug/l	0.100		101	82-142			

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Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1544 - EPA 508 (Continued)										
LCS (W0H1544-BS1)				**Prepared: 08/27/20 Analyzed: 09/08/20**						
Aldrin	0.0809	0.010	ug/l	0.100		81	56-116			
alpha-BHC	0.0832	0.010	ug/l	0.100		83	62-122			
beta-BHC	0.0932	0.010	ug/l	0.100		93	65-125			
delta-BHC	0.104	0.010	ug/l	0.100		104	72-132			
Dieldrin	0.0874	0.010	ug/l	0.100		87	57-117			
Endosulfan I	0.0706	0.010	ug/l	0.100		71	57-117			
Endosulfan II	0.0833	0.010	ug/l	0.100		83	62-122			
Endosulfan sulfate	0.0998	0.010	ug/l	0.100		100	72-132			
Endrin	0.0978	0.010	ug/l	0.100		98	58-118			
Endrin aldehyde	0.104	0.010	ug/l	0.100		104	58-118			
gamma-BHC (Lindane)	0.0852	0.010	ug/l	0.100		85	59-119			
Heptachlor	0.0860	0.010	ug/l	0.100		86	68-128			
Heptachlor epoxide	0.0864	0.010	ug/l	0.100		86	57-117			
Methoxychlor	0.0941	0.010	ug/l	0.100		94	75-135			
Surrogate(s)										
Decachlorobiphenyl	*0.0961*		*ug/l*	*0.100*		*96*	*70-130*			
Tetrachloro-meta-xylene	*0.0817*		*ug/l*	*0.100*		*82*	*70-130*			
LCS Dup (W0H1544-BSD1)				**Prepared: 08/27/20 Analyzed: 09/08/20**						
4,4´-DDD	0.0967	0.010	ug/l	0.100		97	77-137	10	20	
4,4´-DDE	0.100	0.010	ug/l	0.100		100	69-129	8	20	
4,4´-DDT	0.110	0.010	ug/l	0.100		110	82-142	8	20	
Aldrin	0.0843	0.010	ug/l	0.100		84	56-116	4	20	
alpha-BHC	0.0888	0.010	ug/l	0.100		89	62-122	6	20	
beta-BHC	0.102	0.010	ug/l	0.100		102	65-125	9	20	
delta-BHC	0.113	0.010	ug/l	0.100		113	72-132	8	20	
Dieldrin	0.0935	0.010	ug/l	0.100		94	57-117	7	20	
Endosulfan I	0.0761	0.010	ug/l	0.100		76	57-117	7	20	
Endosulfan II	0.0900	0.010	ug/l	0.100		90	62-122	8	20	
Endosulfan sulfate	0.106	0.010	ug/l	0.100		106	72-132	6	20	
Endrin	0.101	0.010	ug/l	0.100		101	58-118	3	20	
Endrin aldehyde	0.109	0.010	ug/l	0.100		109	58-118	5	20	
gamma-BHC (Lindane)	0.0915	0.010	ug/l	0.100		92	59-119	7	20	
Heptachlor	0.0890	0.010	ug/l	0.100		89	68-128	3	20	
Heptachlor epoxide	0.0934	0.010	ug/l	0.100		93	57-117	8	20	
Methoxychlor	0.104	0.010	ug/l	0.100		104	75-135	10	20	
Surrogate(s)										
Decachlorobiphenyl	*0.101*		*ug/l*	*0.100*		*101*	*70-130*			
Tetrachloro-meta-xylene	*0.0812*		*ug/l*	*0.100*		*81*	*70-130*			

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Quality Control Results (Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1195 - EPA 549.2										
Blank (W0H1195-BLK1)				**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	ND	4.0	ug/l							
Paraquat	ND	4.0	ug/l							
LCS (W0H1195-BS1)				**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	17.3	4.0	ug/l	20.0		86	70-130			
Paraquat	15.9	4.0	ug/l	20.0		80	70-130			
Matrix Spike (W0H1195-MS1)	**Source: 0G21010-02**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	15.2	4.0	ug/l	20.0	ND	76	46-122			
Paraquat	17.2	4.0	ug/l	20.0	ND	86	38-129			
Matrix Spike (W0H1195-MS2)	**Source: 0G21010-01**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.5	4.0	ug/l	20.0	ND	68	46-122			
Paraquat	16.8	4.0	ug/l	20.0	ND	84	38-129			
Matrix Spike Dup (W0H1195-MSD1)	**Source: 0G21010-02**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.5	4.0	ug/l	20.0	ND	68	46-122	12	30	
Paraquat	15.5	4.0	ug/l	20.0	ND	78	38-129	11	30	
Matrix Spike Dup (W0H1195-MSD2)	**Source: 0G21010-01**			**Prepared: 08/21/20**	**Analyzed: 08/31/20**					
Diquat	13.9	4.0	ug/l	20.0	ND	70	46-122	3	30	
Paraquat	17.2	4.0	ug/l	20.0	ND	86	38-129	2	30	

Quality Control Results (Continued)

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1346 - EPA 548.1										
Blank (W0H1346-BLK1)				**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	ND	40	ug/l							
LCS (W0H1346-BS1)				**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	73.7	40	ug/l	100		74	31-117			
Matrix Spike (W0H1346-MS1)	**Source: 0H20013-05**			**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	19.2	80	ug/l	200	ND	10	0.1-109			
Matrix Spike Dup (W0H1346-MSD1)	**Source: 0H20013-05**			**Prepared: 08/25/20**	**Analyzed: 08/27/20**					
Endothall	18.0	80	ug/l	200	ND	9	0.1-109	7	30	

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Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1697 - EPA 547										
Blank (W0H1697-BLK1)				**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	ND	5.0	ug/l							
LCS (W0H1697-BS1)				**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	22.1	5.0	ug/l	25.0		88	70-130			
Matrix Spike (W0H1697-MS1)	**Source: 0H17059-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	21.3	5.0	ug/l	25.0	ND	85	41-149			
Matrix Spike (W0H1697-MS2)	**Source: 0H24043-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	23.0	5.0	ug/l	25.0	ND	92	41-149			
Matrix Spike Dup (W0H1697-MSD1)	**Source: 0H17059-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	21.8	5.0	ug/l	25.0	ND	87	41-149	2	30	
Matrix Spike Dup (W0H1697-MSD2)	**Source: 0H24043-01**			**Prepared: 08/31/20**	**Analyzed: 09/01/20**					
Glyphosate	22.8	5.0	ug/l	25.0	ND	91	41-149	0.6	30	

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Project Manager: Ranjit Clarke

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Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1575 - EPA 552.3										
Blank (W0H1575-BLK1)				**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
HAA5, Total	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2-Bromobutyric acid	*10.0*		*ug/l*	*10.0*		*100*	*70-130*			
LCS (W0H1575-BS1)				**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	9.82	1.0	ug/l	10.0		98	70-130			
Dichloroacetic acid (dcaa)	9.15	1.0	ug/l	10.0		92	70-130			
Monobromoacetic acid (mbaa)	9.68	1.0	ug/l	10.0		97	70-130			
Monochloroacetic acid (mcaa)	9.87	2.0	ug/l	10.0		99	70-130			
Trichloroacetic acid (tcaa)	9.64	1.0	ug/l	10.0		96	70-130			
Surrogate(s)										
2-Bromobutyric acid	*10.2*		*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike (W0H1575-MS1)	**Source: 0H24020-01**			**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	10.7	1.0	ug/l	10.0	1.41	93	70-130			
Dichloroacetic acid (dcaa)	11.7	1.0	ug/l	10.0	2.74	89	70-130			
Monobromoacetic acid (mbaa)	9.41	1.0	ug/l	10.0	ND	94	70-130			
Monochloroacetic acid (mcaa)	10.2	2.0	ug/l	10.0	1.82	84	70-130			
Trichloroacetic acid (tcaa)	11.1	1.0	ug/l	10.0	1.67	95	70-130			
Surrogate(s)										
2-Bromobutyric acid	*9.64*		*ug/l*	*10.0*		*96*	*70-130*			
Matrix Spike Dup (W0H1575-MSD1)	**Source: 0H24020-01**			**Prepared: 08/28/20**	**Analyzed: 09/02/20**					
Dibromoacetic acid (dbaa)	11.4	1.0	ug/l	10.0	1.41	100	70-130	6	30	
Dichloroacetic acid (dcaa)	11.5	1.0	ug/l	10.0	2.74	88	70-130	2	30	
Monobromoacetic acid (mbaa)	9.02	1.0	ug/l	10.0	ND	90	70-130	4	30	
Monochloroacetic acid (mcaa)	8.97	2.0	ug/l	10.0	1.82	71	70-130	13	30	
Trichloroacetic acid (tcaa)	11.8	1.0	ug/l	10.0	1.67	101	70-130	6	30	
Surrogate(s)										
2-Bromobutyric acid	*9.96*		*ug/l*	*10.0*		*100*	*70-130*			

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Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0002 - EPA 218.6										
Blank (W0I0002-BLK1)				**Prepared & Analyzed: 09/01/20**						
Chromium 6+	ND	0.020	ug/l							
LCS (W0I0002-BS1)				**Prepared & Analyzed: 09/01/20**						
Chromium 6+	4.70	0.020	ug/l	5.00		94	90-110			
Matrix Spike (W0I0002-MS1)	**Source: 0H18001-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	12.2	0.020	ug/l	5.00	7.37	96	88-112			
Matrix Spike (W0I0002-MS2)	**Source: 0H19008-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	8.70	0.020	ug/l	5.00	3.90	96	88-112			
Matrix Spike Dup (W0I0002-MSD1)	**Source: 0H18001-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	12.2	0.020	ug/l	5.00	7.37	97	88-112	0.5	10	
Matrix Spike Dup (W0I0002-MSD2)	**Source: 0H19008-01**			**Prepared & Analyzed: 09/01/20**						
Chromium 6+	8.76	0.020	ug/l	5.00	3.90	97	88-112	0.6	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1369 - EPA 1625M										
Blank (W0H1369-BLK1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	ND	2.0	ng/l							
LCS (W0H1369-BS1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	2.62	2.0	ng/l	2.00		131	50-150			
LCS Dup (W0H1369-BSD1)				**Prepared: 08/25/20 Analyzed: 08/31/20**						
N-Nitrosodimethylamine	2.01	2.0	ng/l	2.00		100	50-150	26	50	

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2										
Blank (W0I0009-BLK1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Alachlor	ND	0.10	ug/l							
Atrazine	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/l							
Bromacil	ND	0.50	ug/l							
Butachlor	ND	0.10	ug/l							
Captan	ND	1.0	ug/l							
Chlorpropham	ND	0.10	ug/l							
Cyanazine	ND	0.10	ug/l							
Diazinon	ND	0.10	ug/l							
Dimethoate	ND	0.20	ug/l							
Diphenamid	ND	0.10	ug/l							
Disulfoton	ND	0.10	ug/l							
EPTC	ND	0.10	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	ND	0.10	ug/l							
Naphthalene	0.000295		ug/l							
Prometon	ND	0.10	ug/l							
Prometryn	ND	0.10	ug/l							
Propachlor	ND		ug/l							
Simazine	ND	0.10	ug/l							
Terbacil	ND	2.0	ug/l							
Thiobencarb	ND	0.10	ug/l							
Trithion	ND	0.10	ug/l							
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.82*		*ug/l*	*5.00*		*96*	*70-130*			
Perylene-d12	*3.70*		*ug/l*	*5.00*		*74*	*50-120*			
Triphenyl phosphate	*4.69*		*ug/l*	*5.00*		*94*	*70-130*			
Blank (W0I0009-BLK2)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Atrazine	ND	0.10	ug/l							QC-2
Molinate	ND	0.10	ug/l							QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.00*		*97*	*70-130*			*QC-2*
Perylene-d12	*3.66*		*ug/l*	*5.00*		*73*	*50-120*			*QC-2*
Triphenyl phosphate	*4.77*		*ug/l*	*5.00*		*95*	*70-130*			*QC-2*
LCS (W0I0009-BS1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Alachlor	5.08	0.10	ug/l	5.00		102	70-130			

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS (W0I0009-BS1)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Atrazine	5.80	0.10	ug/l	5.00		116	70-130			
Benzo (a) pyrene	4.65	0.10	ug/l	5.00		93	60-130			
Bis(2-ethylhexyl)adipate	5.34	2.0	ug/l	5.00		107	70-130			
Bis(2-ethylhexyl)phthalate	5.35	2.0	ug/l	5.00		107	70-130			
Bromacil	4.89	0.50	ug/l	5.00		98	70-130			
Butachlor	5.18	0.10	ug/l	5.00		104	70-130			
Captan	4.59	1.0	ug/l	5.00		92	70-130			
Chlorpropham	5.59	0.10	ug/l	5.00		112	70-130			
Cyanazine	5.87	0.10	ug/l	5.00		117	70-130			
Diazinon	4.30	0.10	ug/l	5.00		86	50-120			
Dimethoate	4.40	0.20	ug/l	5.00		88	50-120			
Diphenamid	6.15	0.10	ug/l	5.00		123	70-130			
Disulfoton	4.93	0.10	ug/l	5.00		99	50-120			
EPTC	5.98	0.10	ug/l	5.00		120	70-130			
Metolachlor	5.51	0.10	ug/l	5.00		110	60-130			
Metribuzin	4.70	0.10	ug/l	5.00		94	50-120			
Molinate	5.42	0.10	ug/l	5.00		108	70-130			
Naphthalene	5.14		ug/l	5.00		103	70-130			
Prometon	2.39	0.10	ug/l	5.00		48	15-120			
Prometryn	3.87	0.10	ug/l	5.00		77	30-120			
Simazine	5.38	0.10	ug/l	5.00		108	60-130			
Terbacil	6.17	2.0	ug/l	5.00		123	70-130			
Thiobencarb	5.60	0.10	ug/l	5.00		112	70-130			
Trithion	4.90	0.10	ug/l	5.00		98	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.77*		*ug/l*	*5.00*		*95*	*70-130*			
Perylene-d12	*4.86*		*ug/l*	*5.00*		*97*	*50-120*			
Triphenyl phosphate	*5.43*		*ug/l*	*5.00*		*109*	*70-130*			
LCS (W0I0009-BS2)				**Prepared: 09/01/20 Analyzed: 09/04/20**						
Propachlor	5.30		ug/l	5.00		106	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.99*		*ug/l*	*5.00*		*100*	*70-130*			
Perylene-d12	*3.92*		*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate	*5.21*		*ug/l*	*5.00*		*104*	*70-130*			
LCS (W0I0009-BS3)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Atrazine	5.74	0.10	ug/l	5.00		115	70-130			QC-2
Molinate	5.44	0.10	ug/l	5.00		109	70-130			QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.82*		*ug/l*	*5.00*		*96*	*70-130*			*QC-2*
Perylene-d12	*4.79*		*ug/l*	*5.00*		*96*	*50-120*			*QC-2*

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Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS (W0I0009-BS3)				**Prepared: 09/01/20**	**Analyzed: 09/08/20**					
Surrogate(s)										
Triphenyl phosphate	*5.43*		*ug/l*	*5.00*		*109*	*70-130*			QC-2
LCS Dup (W0I0009-BSD1)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Alachlor	4.58	0.10	ug/l	5.00		92	70-130	11	30	
Atrazine	5.68	0.10	ug/l	5.00		114	70-130	2	30	
Benzo (a) pyrene	3.82	0.10	ug/l	5.00		76	60-130	20	30	
Bis(2-ethylhexyl)adipate	5.14	2.0	ug/l	5.00		103	70-130	4	30	
Bis(2-ethylhexyl)phthalate	5.30	2.0	ug/l	5.00		106	70-130	0.9	30	
Bromacil	5.08	0.50	ug/l	5.00		102	70-130	4	30	
Butachlor	4.69	0.10	ug/l	5.00		94	70-130	10	30	
Captan	2.92	1.0	ug/l	5.00		58	70-130	45	30	BS-04
Chlorpropham	5.52	0.10	ug/l	5.00		110	70-130	1	30	
Cyanazine	2.49	0.10	ug/l	5.00		50	70-130	81	30	BS-04
Diazinon	3.94	0.10	ug/l	5.00		79	50-120	9	30	
Dimethoate	2.47	0.20	ug/l	5.00		49	50-120	56	30	BS-04
Diphenamid	6.17	0.10	ug/l	5.00		123	70-130	0.4	30	
Disulfoton	4.53	0.10	ug/l	5.00		91	50-120	9	30	
EPTC	5.84	0.10	ug/l	5.00		117	70-130	2	30	
Metolachlor	5.50	0.10	ug/l	5.00		110	60-130	0.2	30	
Metribuzin	4.29	0.10	ug/l	5.00		86	50-120	9	30	
Molinate	5.27	0.10	ug/l	5.00		105	70-130	3	30	
Naphthalene	5.00		ug/l	5.00		100	70-130	3	30	
Prometon	1.96	0.10	ug/l	5.00		39	15-120	20	30	
Prometryn	4.00	0.10	ug/l	5.00		80	30-120	3	30	
Simazine	5.26	0.10	ug/l	5.00		105	60-130	2	30	
Terbacil	0.425	2.0	ug/l	5.00		8	70-130	174	30	BS-04
Thiobencarb	5.57	0.10	ug/l	5.00		111	70-130	0.5	30	
Trithion	3.07	0.10	ug/l	5.00		61	70-130	46	30	BS-04
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*3.88*		*ug/l*	*5.00*		*78*	*50-120*			
Triphenyl phosphate	*5.56*		*ug/l*	*5.00*		*111*	*70-130*			
LCS Dup (W0I0009-BSD2)				**Prepared: 09/01/20**	**Analyzed: 09/04/20**					
Propachlor	4.99		ug/l	5.00		100	70-130	6	30	
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.88*		*ug/l*	*5.00*		*98*	*70-130*			
Perylene-d12	*4.51*		*ug/l*	*5.00*		*90*	*50-120*			
Triphenyl phosphate	*4.70*		*ug/l*	*5.00*		*94*	*70-130*			
LCS Dup (W0I0009-BSD3)				**Prepared: 09/01/20**	**Analyzed: 09/08/20**					
Atrazine	5.70	0.10	ug/l	5.00		114	70-130	0.8	30	QC-2

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Quality Control Results (Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0I0009 - EPA 525.2 (Continued)										
LCS Dup (W0I0009-BSD3)				**Prepared: 09/01/20 Analyzed: 09/08/20**						
Molinate	5.31	0.10	ug/l	5.00		106	70-130	2	30	QC-2
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.76*		*ug/l*	*5.00*		*95*	*70-130*			QC-2
Perylene-d12	*4.21*		*ug/l*	*5.00*		*84*	*50-120*			QC-2
Triphenyl phosphate	*5.64*		*ug/l*	*5.00*		*113*	*70-130*			QC-2

Quality Control Results (Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W0H1345 - EPA 524.3										
Blank (W0H1345-BLK1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
LCS (W0H1345-BS1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	0.0616	0.010	ug/l	0.0500		123	70-130			
1,2-Dibromoethane (EDB)	0.0536	0.020	ug/l	0.0500		107	70-130			
LCS Dup (W0H1345-BSD1)				**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	0.0510	0.010	ug/l	0.0500		102	70-130	19	30	
1,2-Dibromoethane (EDB)	0.0501	0.020	ug/l	0.0500		100	70-130	7	30	
Duplicate (W0H1345-DUP1)	**Source: 0H20067-07**			**Prepared & Analyzed: 08/25/20**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l		ND				30	
1,2-Dibromoethane (EDB)	ND	0.020	ug/l		ND				30	

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Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
MS-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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(714) 771-6900

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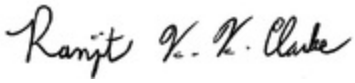
Lab Job Number:	432521
Report Level:	II
Report Date:	09/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - SNMP MOU

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	432521
Project No:	MALIBU
Location:	Annual - SNMP MOU
Date Received:	08/20/20

Sample ID	Lab ID	Collected	Matrix
MCWP-MW10	432521-001	08/20/20 08:30	Water

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	ENTHALPY analytical, inc.	Lab No: 432521		Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1 of 1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group									
1 Park Plaza, Suite 1000, Irvine, CA 92614									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	EPA 300.0 (NO3)	Test Instructions / Comments
~~SMBRP-13~~						X	X	X	X	X		MC
MCWP-MW10	8/20/20	08:30	W			X	X	X	X	X		
~~CCPE~~						X	X	X	X	X		MC
~~MBCMW-9~~						X	X	X	X	X		MC
~~SMBRP-7B~~						X	X	X	X	X		MC
~~MCWP-MW05~~										X	X	MC
~~MCWP-MW06~~										X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants Inc.	8/20/20 / 1300
[1] Received By:		JAIME A	EA	8/20/2020 1300
[2] Relinquished By:		JAIME A	EA	8/20/2020 1500
[2] Received By:		Christine C.	EA	8/20/20 1500
[3] Relinquished By:				
[3] Received By:				

0.6/3.7 0.9/3.3

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 8/20/20 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: 3.7 #2: 3.3 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #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: Anne Cano Date: 8/20/20

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ENTHALPY ANALYTICAL

Analysis Results for 432521

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432521
Project No: MALIBU
Location: Annual - SNMP MOU
Date Received: 08/20/20

Sample ID: MCWP-MW10 **Lab ID: 432521-001** **Collected: 08/20/20 08:30**
Matrix: Water

432521-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	251448	08/21/20 16:34	08/21/20 16:34	RKV
Nitrogen, Nitrate	**0.65**		mg/L	0.10	0.05	1	251448	08/21/20 16:34	08/21/20 16:34	RKV
Nitrogen, Nitrate/Nitrite	**0.65**		mg/L	0.10		1	251448	08/21/20 16:34	08/21/20 16:34	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.010	1	251771	08/27/20	08/27/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.22**		mg/L			1	251970	08/31/20	08/31/20	SLL
Method: SM 4500-NH3-G										
Nitrogen, Total Kjeldahl	**0.22**	J	mg/L	0.40	0.030	1	251908	08/27/20	08/30/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.057**		mg/L	0.020	0.010	1	251694	08/25/20	08/25/20	SGC
Method: SM 9223Bb										
Coliform, Total	**57**		MPN/100ml	1.0		1	251414	08/20/20 16:23	08/21/20 13:50	CCO
Coliform, E. Coli	<1.0		MPN/100ml	1.0		1	251414	08/20/20 16:23	08/21/20 13:50	CCO
Fecal Coliform	<1.0		MPN/100ml	1.0		1	251414	08/20/20 16:23	08/21/20 13:50	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,900**		mg/L	20		2	251595	08/24/20	08/25/20	ATP

< Value is less than indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882387	**Batch:** 251448
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882387 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/21/20 15:27	08/21/20 15:27
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/21/20 15:27	08/21/20 15:27
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/21/20 15:27	08/21/20 15:27

Type: Lab Control Sample	**Lab ID:** QC882388	**Batch:** 251448
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882388 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.674	9.150	mg/L	106%		90-110
Nitrogen, Nitrate	9.599	9.030	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID:** QC882389	**Batch:** 251448
Matrix (Source ID): Water (432551-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.574	ND	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	9.444	0.3900	9.030	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC882390	**Batch:** 251448
Matrix (Source ID): Water (432551-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.793	ND	9.150	mg/L	107%		80-120	2	20	1
Nitrogen, Nitrate	9.644	0.3900	9.030	mg/L	102%		80-120	2	20	1

Type: Matrix Spike	**Lab ID:** QC882480	**Batch:** 251448
Matrix (Source ID): Water (432521-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.596	ND	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	10.28	0.6530	9.030	mg/L	107%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882481**	**Batch:**	**251448**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC882481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.669	ND	9.150	mg/L	106%		80-120	1	20	1
Nitrogen, Nitrate	10.31	0.6530	9.030	mg/L	107%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC882822**	**Batch:**	**251595**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC882822 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/24/20	08/25/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC882823**	**Batch:**	**251595**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC882823 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	102.0	100.0	mg/L	102%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC882824**	**Batch:**	**251595**
Matrix (Source ID):	**Water (432588-011)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC882824 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,252	1276	mg/L		2	5	2

Type:	**Blank**	**Lab ID:**	**QC883038**	**Batch:**	**251694**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC883038 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/25/20	08/25/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC883039**	**Batch:**	**251694**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC883039 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4320	0.4000	mg/L	108%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC883040**	**Batch:**	**251694**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**SM 4500-P-B5-E**		

QC883040 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.5480	0.05700	0.4000	mg/L	123%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883041**	**Batch:**	**251694**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**SM 4500-P-B5-E**		

QC883041 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5130	0.05700	0.4000	mg/L	114%		75-125	7	20	1

Type:	**Blank**	**Lab ID:**	**QC883240**	**Batch:**	**251771**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC883240 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/27/20	08/27/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC883241**	**Batch:**	**251771**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC883241 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.515	2.500	mg/L	101%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC883242**	**Batch:**	**251771**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC883242 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.350	ND	2.500	mg/L	94%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883243**	**Batch:**	**251771**
Matrix (Source ID):	**Water (432521-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC883243 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.390	ND	2.500	mg/L	96%		80-120	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC883634**	**Batch: 251908**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC883634 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/27/20	08/30/20

Type: Lab Control Sample	**Lab ID: QC883635**	**Batch: 251908**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC883635 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.618	2.500	mg/L	105%		80-120

Type: Matrix Spike	**Lab ID: QC883636**	**Batch: 251908**
Matrix (Source ID): Water (432551-001)	**Method: SM 4500-NH3-G**	

QC883636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.36	ND	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate	**Lab ID: QC883637**	**Batch: 251908**
Matrix (Source ID): Water (432551-001)	**Method: SM 4500-NH3-G**	

QC883637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.80	ND	12.50	mg/L	110%		80-120	11	20	2.5

ND Not Detected

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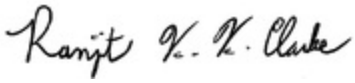
Lab Job Number:	432570
Report Level:	II
Report Date:	09/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - SNMP MOU

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	432570
Project No:	MALIBU
Location:	Annual - SNMP MOU
Date Received:	08/21/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-7B	432570-001	08/21/20 10:45	Water
MCWP-MW05	432570-002	08/21/20 10:45	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 432570	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@RinconConsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805) 644-4455	Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	EPA 300.0 (NO3)	Test Instructions / Comments
~~SMBRP-13~~						X	X	X	X	X		MC
~~MCWP-MW10~~						X	X	X	X	X		MC
~~CCPE~~						X	X	X	X	X		MC
~~MBCMW-9~~						X	X	X	X	X		MC
SMBRP-7B	8/21/20	~~0945~~ NC 1045	W			X	X	X	X	X		
MCWP-MW05	8/21/20	0945	W							X	X	
~~MCWP-MW06~~										X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants, INC.	8/21/20 1154
[1] Received By:		Jaime A	EA	8/21/2020 1154
[2] Relinquished By:		JAIME A	EA	8/21/2020 1321
[2] Received By:		Elizabeth Ramirez	EA.	8/21/20 13:21
[3] Relinquished By:				
[3] Received By:				

8.21.20

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu-Annual

Date Received: 08/21/20 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 2.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/21/20

ENTHALPY ANALYTICAL

Analysis Results for 432570

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 432570
Project No: MALIBU
Location: Annual - SNMP MOU
Date Received: 08/21/20

Sample ID: SMBRP-7B **Lab ID: 432570-001** **Collected: 08/21/20 10:45**
Matrix: Water

432570-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	251448	08/22/20 00:31	08/22/20 00:31	RKV
Nitrogen, Nitrate	**0.70**		mg/L	0.10	0.05	1	251448	08/22/20 00:31	08/22/20 00:31	RKV
Nitrogen, Nitrate/Nitrite	**0.70**		mg/L	0.10		1	251448	08/22/20 00:31	08/22/20 00:31	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.070**		mg/L			1	251970	08/31/20	08/31/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.23**		mg/L	0.10	0.010	1	251760	08/26/20	08/27/20	ATP
Nitrogen, Total Kjeldahl	**0.30**	J	mg/L	0.40	0.030	1	251908	08/27/20	08/30/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.27**		mg/L	0.020	0.010	1	251607	08/26/20	08/26/20	SGC
Method: SM 9223Bb										
Coliform, Total	**1.0**		MPN/100ml	1.0		1	251479	08/21/20 14:30	08/22/20 12:50	CCO
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	251479	08/21/20 14:30	08/22/20 12:50	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,700**		mg/L	20		2	251595	08/24/20	08/25/20	ATP

Sample ID: MCWP-MW05 **Lab ID: 432570-002** **Collected: 08/21/20 10:45**
Matrix: Water

432570-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**2.0**		mg/L	0.10	0.05	1	251448	08/22/20 00:53	08/22/20 00:53	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	251595	08/24/20	08/25/20	ATP

J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC882387	**Batch:** 251448
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882387 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/21/20 15:27	08/21/20 15:27
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/21/20 15:27	08/21/20 15:27
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/21/20 15:27	08/21/20 15:27

Type: Lab Control Sample	**Lab ID:** QC882388	**Batch:** 251448
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882388 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.674	9.150	mg/L	106%		90-110
Nitrogen, Nitrate	9.599	9.030	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID:** QC882389	**Batch:** 251448
Matrix (Source ID): Water (432551-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.574	ND	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	9.444	0.3900	9.030	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC882390	**Batch:** 251448
Matrix (Source ID): Water (432551-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882390 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.793	ND	9.150	mg/L	107%		80-120	2	20	1
Nitrogen, Nitrate	9.644	0.3900	9.030	mg/L	102%		80-120	2	20	1

Type: Matrix Spike	**Lab ID:** QC882480	**Batch:** 251448
Matrix (Source ID): Water (432521-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.596	ND	9.150	mg/L	105%		80-120	1
Nitrogen, Nitrate	10.28	0.6530	9.030	mg/L	107%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	**Lab ID:** QC882481	**Batch:** 251448
Matrix (Source ID): Water (432521-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC882481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.669	ND	9.150	mg/L	106%		80-120	1	20	1
Nitrogen, Nitrate	10.31	0.6530	9.030	mg/L	107%		80-120	0	20	1

Type: Blank	**Lab ID:** QC882822	**Batch:** 251595
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC882822 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/24/20	08/25/20

Type: Lab Control Sample	**Lab ID:** QC882823	**Batch:** 251595
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC882823 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	102.0	100.0	mg/L	102%		90-110

Type: Sample Duplicate	**Lab ID:** QC882824	**Batch:** 251595
Matrix (Source ID): Water (432588-011)	**Method:** SM2540C	**Prep Method:** METHOD

QC882824 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,252	1276	mg/L		2	5	2

Type: Blank	**Lab ID:** QC882867	**Batch:** 251607
Matrix: Sea Water	**Method:** SM 4500-P-B5-E	

QC882867 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/26/20	08/26/20

Type: Lab Control Sample	**Lab ID:** QC882868	**Batch:** 251607
Matrix: Sea Water	**Method:** SM 4500-P-B5-E	

QC882868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4260	0.4000	mg/L	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC882869**	**Batch:**	**251607**
Matrix (Source ID):	**Water (432570-001)**	**Method:**	**SM 4500-P-B5-E**		

QC882869 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.6170	0.2670	0.4000	mg/L	88%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC882870**	**Batch:**	**251607**
Matrix (Source ID):	**Water (432570-001)**	**Method:**	**SM 4500-P-B5-E**		

QC882870 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.6990	0.2670	0.4000	mg/L	108%		75-125	12	20	1

Type:	**Blank**	**Lab ID:**	**QC883202**	**Batch:**	**251760**
Matrix:	**Sea Water**	**Method:**	**SM 4500-NH3-G**		

QC883202 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/26/20	08/27/20

Type:	**Lab Control Sample**	**Lab ID:**	**QC883203**	**Batch:**	**251760**
Matrix:	**Sea Water**	**Method:**	**SM 4500-NH3-G**		

QC883203 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.530	2.500	mg/L	101%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC883204**	**Batch:**	**251760**
Matrix (Source ID):	**Sea Water (432379-001)**	**Method:**	**SM 4500-NH3-G**		

QC883204 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.440	ND	2.500	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC883205**	**Batch:**	**251760**
Matrix (Source ID):	**Sea Water (432379-001)**	**Method:**	**SM 4500-NH3-G**		

QC883205 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.440	ND	2.500	mg/L	98%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC883634**	**Batch: 251908**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC883634 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/27/20	08/30/20

Type: Lab Control Sample	**Lab ID: QC883635**	**Batch: 251908**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC883635 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.618	2.500	mg/L	105%		80-120

Type: Matrix Spike	**Lab ID: QC883636**	**Batch: 251908**
Matrix (Source ID): Water (432551-001)	**Method: SM 4500-NH3-G**	

QC883636 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.36	ND	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate	**Lab ID: QC883637**	**Batch: 251908**
Matrix (Source ID): Water (432551-001)	**Method: SM 4500-NH3-G**	

QC883637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.80	ND	12.50	mg/L	110%		80-120	11	20	2.5

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

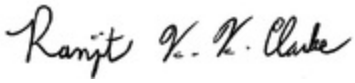
Lab Job Number: 436495
Report Level: II
Report Date: 12/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436495
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/17/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-12	436495-001	11/17/20 11:25	Water
MCWP-MW04S	436495-002	11/17/20 12:20	Water
MCWP-MW07S	436495-003	11/17/20 10:35	Water
MCWP-MW07D	436495-004	11/17/20 10:30	Water
MCWP-MW09	436495-005	11/17/20 12:15	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 436495	Standard: X 4 Day: 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KbrtalikArinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Michelle Carter + Peter Doran

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~SMBRP-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~MC~~
SMBRP-12	11/17/20	1125	W			X	X	X	X	X	X	X	X			
MCWP-MW04S	11/17/20	1220	W			X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~MC~~
MCWP-MW07S	11/17/20	1035	W			X	X	X	X	X	X	X	X			
MCWP-MW07D	11/17/20	1030	W			X	X	X	X	X	X	X	X			
MCWP-MW09	11/17/20	1215	W			X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS, INC.	11/17/20 1330
[1] Received By:		JAIPO A	EA	11/17/2020 1330
[2] Relinquished By:		JAIPO A	EA	11/17/2020 1502
[2] Received By:		Elizabeth Ramirez	Enthalpy	11/17/2020 15:02
[3] Relinquished By:				

2.3/3.7, 1.0/4.3, 1.6/3.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly/Semi-Annual

Date Received: 11/17/2020

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 3 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 4.3 #3: 3.2 #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.3 #2: 1.0 #3: 1.6 #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/17/20

ENTHALPY ANALYTICAL

Analysis Results for 436495

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436495
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/17/20

Sample ID: SMBRP-12 **Lab ID: 436495-001** **Collected: 11/17/20 11:25**
Matrix: Water

436495-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.86**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**1,000**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 21:18	JCP
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	256465	11/17/20 16:15	11/17/20 21:18	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 17:07	JCP
Sulfate	**460**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 21:18	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**7.4**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.60**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.22**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**18.20**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**6.8**		mg/L	0.50	0.050	5	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**1.3**		mg/L	0.040	0.020	2	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Total Organic Carbon	**2.1**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**13**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Coliform, Total	**150**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	**20**		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**22**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**210**		mg/L	1.3		2.5	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:41	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.45**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**7.4**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW04S	Lab ID: 436495-002	Collected: 11/17/20 12:20
	Matrix: Water	

436495-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**1.8**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**540**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 21:39	JCP
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	256465	11/17/20 16:15	11/17/20 21:39	JCP
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 17:28	JCP
Sulfate	**2,600**		mg/L	50	13	50	257065	11/30/20 09:00	11/30/20 20:21	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.3**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.61**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**18.00**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**12**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	**25**		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**0.83**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**240**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**0.7**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:43	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.11**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**2.5**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW07S	Lab ID: 436495-003	Collected: 11/17/20 10:35
	Matrix: Water	

436495-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.37**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 22:00	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256465	11/17/20 16:15	11/17/20 17:49	JCP
Nitrogen, Nitrate	**3.6**		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 17:49	JCP
Sulfate	**240**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 22:00	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.24**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.45**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**16.80**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.17**		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.24**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**5.0**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**4.1**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**18**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**4.5**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**22**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:45	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.13**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**4.0**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW07D	Lab ID: 436495-004	Collected: 11/17/20 10:30
	Matrix: Water	

436495-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256578	11/18/20	11/18/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.49**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**290**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 22:21	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256465	11/17/20 16:15	11/17/20 18:10	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 18:10	JCP
Sulfate	**250**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 22:21	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.60**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.60**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**16.90**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.32**		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.11**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**1.8**		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**37**		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**0.42**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.0**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:47	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.085**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.60**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

Sample ID: MCWP-MW09	Lab ID: 436495-005	Collected: 11/17/20 12:15
	Matrix: Water	

436495-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256666	11/19/20	11/19/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.83**		mg/L	0.050	0.0080	1	256540	11/18/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**790**		mg/L	50	1.4	10	256465	11/17/20 16:15	11/17/20 22:42	JCP
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	256465	11/17/20 16:15	11/17/20 22:42	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256465	11/17/20 16:15	11/17/20 18:31	JCP
Sulfate	**600**		mg/L	10	2.5	10	256465	11/17/20 16:15	11/17/20 22:42	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.8**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.30**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256501	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256568	11/17/20 19:31	11/17/20 19:31	WWC
Method: SM 4500-H+ B										
pH	**7.45**	H	SU			1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Temperature	**17.20**	H	deg C	1.00		1	256492	11/17/20 17:45	11/17/20 17:45	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**2.5**		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.34	1	256771	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436495

436495-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	256480	11/17/20 16:00	11/18/20 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256502	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2130B										
Turbidity	**2.4**		NTU	0.10	0.07	1	256500	11/17/20 17:50	11/17/20 17:50	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,000**		mg/L	20		2	256470	11/17/20	11/18/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**0.9**		mg/L	0.6		1.1	256551	11/18/20	11/18/20	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256532	11/18/20 09:49	11/23/20 10:25	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.045**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**2.8**		mg/L			1	257108	12/01/20	12/01/20	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC895597**	**Batch: 256465**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895597 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	2.4	J	mg/L	5.0	0.14	11/17/20 16:15	11/17/20 16:46
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/17/20 16:15	11/17/20 16:46
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/17/20 16:15	11/17/20 16:46
Sulfate	ND		mg/L	1.0	0.25	11/17/20 16:15	11/17/20 16:46

Type: Lab Control Sample	**Lab ID: QC895598**	**Batch: 256465**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895598 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	96.76	100.0	mg/L	97%		90-110
Nitrogen, Nitrite	9.883	9.134	mg/L	108%		90-110
Nitrogen, Nitrate	9.745	9.036	mg/L	108%		90-110
Sulfate	48.34	50.00	mg/L	97%		90-110

Type: Matrix Spike	**Lab ID: QC895599**	**Batch: 256465**
Matrix (Source ID): Water (436495-005)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895599 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	841.4	790.5	100.0	mg/L	51%	NM	80-120	10
Nitrogen, Nitrite	7.585	ND	9.134	mg/L	83%		80-120	1
Nitrogen, Nitrate	8.949	ND	9.036	mg/L	99%		80-120	1
Sulfate	614.2	596.6	50.00	mg/L	35%	NM	80-120	10

Type: Matrix Spike Duplicate	**Lab ID: QC895600**	**Batch: 256465**
Matrix (Source ID): Water (436495-005)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC895600 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	841.3	790.5	100.0	mg/L	51%	NM	80-120	0	20	10
Nitrogen, Nitrite	7.521	ND	9.134	mg/L	82%		80-120	1	20	1
Nitrogen, Nitrate	9.017	ND	9.036	mg/L	100%		80-120	1	20	1
Sulfate	606.7	596.6	50.00	mg/L	20%	NM	80-120	1	20	10

Type: Blank	**Lab ID: QC895612**	**Batch: 256470**
Matrix: Water	**Method: SM2540C**	**Prep Method: METHOD**

QC895612 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/17/20	11/18/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC895613	Batch: 256470
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC895613 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	96.00	100.0	mg/L	96%		90-110

Type: Sample Duplicate	Lab ID: QC895614	Batch: 256470
Matrix (Source ID): Water (436495-005)	Method: SM2540C	Prep Method: METHOD

QC895614 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,010	2000	mg/L		0	5	2

Type: Sample Duplicate	Lab ID: QC895642	Batch: 256492
Matrix (Source ID): Drinking Water (436484-001)	Method: SM 4500-H+ B	

QC895642 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.660	7.650	SU		0	20	1
Temperature	13.20	13.10	deg C		1	20	1

Type: Sample Duplicate	Lab ID: QC895653	Batch: 256500
Matrix (Source ID): Water (436495-001)	Method: SM2130B	

QC895653 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	21.80	21.90	NTU		0	20	1

Type: Sample Duplicate	Lab ID: QC895654	Batch: 256501
Matrix (Source ID): Water (436495-001)	Method: SM 2150B	

QC895654 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate	Lab ID: QC895655	Batch: 256502
Matrix (Source ID): Water (436495-001)	Method: SM2120B	

QC895655 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	20.00	20.00	ColorUnits		0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC895723	Batch: 256532
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC895723 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/18/20 09:30	11/23/20 10:25

Type: Lab Control Sample	Lab ID: QC895724	Batch: 256532
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC895724 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	209.0	198.0	mg/L	106%		84.6-115.4

Type: Blank	Lab ID: QC895747	Batch: 256540
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895747 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	11/18/20	11/19/20

Type: Lab Control Sample	Lab ID: QC895748	Batch: 256540
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.913	2.000	mg/L	96%		85-115

Type: Matrix Spike	Lab ID: QC895749	Batch: 256540
Matrix (Source ID): Water (436485-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.432	0.5119	1.000	mg/L	92%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC895750	Batch: 256540
Matrix (Source ID): Water (436485-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.432	0.5119	1.000	mg/L	92%		75-125	0	20	1

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC895751**	**Batch:**	**256540**
Matrix (Source ID):	**Water (436524-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3010A**

QC895751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	3.868	2.845	1.000	mg/L	102%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC895752**	**Batch:**	**256540**
Matrix (Source ID):	**Water (436524-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 3010A**

QC895752 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	3.727	2.845	1.000	mg/L	88%		75-125	4	20	1

Type:	**Blank**	**Lab ID:**	**QC895790**	**Batch:**	**256551**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC895790 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/18/20	11/18/20

Type:	**Sample Duplicate**	**Lab ID:**	**QC895791**	**Batch:**	**256551**
Matrix (Source ID):	**Water (436500-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC895791 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	199.3	190.7	mg/L		4	5	6.7

Type:	**Blank**	**Lab ID:**	**QC895834**	**Batch:**	**256568**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC895834 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	11/17/20 19:31	11/17/20 19:31

Type:	**Lab Control Sample**	**Lab ID:**	**QC895835**	**Batch:**	**256568**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC895835 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.066	1.000	mg/L	107%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC895836**	**Batch:**	**256568**
Matrix (Source ID):	**Water (436495-005)**	**Method:**	**SM 4500-CL-G**		

QC895836 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: **Blank**	**Lab ID:** **QC895858**	**Batch:** **256578**	
Matrix: **Water**	**Method:** **EPA 1664A**	**Prep Method:** **METHOD**	

QC895858 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/18/20	11/18/20

Type: **Lab Control Sample**	**Lab ID:** **QC895859**	**Batch:** **256578**	
Matrix: **Water**	**Method:** **EPA 1664A**	**Prep Method:** **METHOD**	

QC895859 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.30	40.00	mg/L	88%		78-114

Type: **Lab Control Sample Duplicate**	**Lab ID:** **QC895860**	**Batch:** **256578**	
Matrix: **Water**	**Method:** **EPA 1664A**	**Prep Method:** **METHOD**	

QC895860 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.70	40.00	mg/L	94%		78-114	7	18

Type: **Blank**	**Lab ID:** **QC896064**	**Batch:** **256666**	
Matrix: **Water**	**Method:** **EPA 1664A**	**Prep Method:** **METHOD**	

QC896064 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/19/20	11/19/20

Type: **Lab Control Sample**	**Lab ID:** **QC896065**	**Batch:** **256666**	
Matrix: **Water**	**Method:** **EPA 1664A**	**Prep Method:** **METHOD**	

QC896065 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	33.90	40.00	mg/L	85%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	**Lab ID:** QC896066	**Batch:** 256666
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC896066 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	34.70	40.00	mg/L	87%		78-114	2	18

Type: Blank	**Lab ID:** QC896165	**Batch:** 256698
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC896165 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/20/20	11/20/20

Type: Lab Control Sample	**Lab ID:** QC896166	**Batch:** 256698
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC896166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.565	2.500	mg/L	103%		90-110

Type: Matrix Spike	**Lab ID:** QC896167	**Batch:** 256698
Matrix (Source ID): Water (436495-005)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC896167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.75	2.785	12.50	mg/L	112%	*	90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC896168	**Batch:** 256698
Matrix (Source ID): Water (436495-005)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC896168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	16.28	2.785	12.50	mg/L	108%		90-110	3	20	2.5

Type: Blank	**Lab ID:** QC896252	**Batch:** 256730
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC896252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/20/20	11/20/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID: QC896253** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3980	0.4000	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC896254** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4760	0.1300	0.4000	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC896255** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5220	0.1300	0.4000	mg/L	98%		75-125	9	20	1

Type: Blank **Lab ID: QC896365** **Batch: 256771**
Matrix: Water **Method: SM 5310B**

QC896365 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.34	11/19/20	11/19/20

Type: Lab Control Sample **Lab ID: QC896366** **Batch: 256771**
Matrix: Water **Method: SM 5310B**

QC896366 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.391	10.00	mg/L	94%		80-120

Type: Matrix Spike **Lab ID: QC896367** **Batch: 256771**
Matrix (Source ID): Water (436495-002) **Method: SM 5310B**

QC896367 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	33.90	11.67	20.00	mg/L	111%		80-120	2

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC896368 **Batch:** 256771
Matrix (Source ID): Water (436495-002) **Method:** SM 5310B

QC896368 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	35.55	11.67	20.00	mg/L	119%		80-120	5	20	2

Type: Blank **Lab ID:** QC896437 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

Type: Lab Control Sample **Lab ID:** QC896438 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.603	2.500	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC896439 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	8.668	6.781	2.500	mg/L	75%	*	80-120	20

Type: Matrix Spike Duplicate **Lab ID:** QC896440 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	7.245	6.781	2.500	mg/L	19%	*	80-120	18	20	20

Type: Blank **Lab ID:** QC896863 **Batch:** 256972
Matrix: Water **Method:** SM5540C

QC896863 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/19/20 10:00	11/19/20 18:50

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Batch QC

Type: Lab Control Sample **Lab ID:** QC896864 **Batch:** 256972
Matrix: Water **Method:** SM5540C

QC896864 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9670	1.000	mg/L	97%		90-110

Type: Matrix Spike **Lab ID:** QC896865 **Batch:** 256972
Matrix (Source ID): Water (436649-001) **Method:** SM5540C

QC896865 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.021	ND	1.000	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC896866 **Batch:** 256972
Matrix (Source ID): Water (436649-001) **Method:** SM5540C

QC896866 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.006	ND	1.000	mg/L	98%		80-120	1	20	1

Type: Blank **Lab ID:** QC897083 **Batch:** 257065
Matrix: Drinking Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC897083 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.25	11/30/20 09:00	11/30/20 14:37

Type: Lab Control Sample **Lab ID:** QC897084 **Batch:** 257065
Matrix: Drinking Water **Method:** EPA 300.0 **Prep Method:** METHOD

QC897084 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	49.76	50.00	mg/L	100%		90-110

Type: Matrix Spike **Lab ID:** QC897085 **Batch:** 257065
Matrix (Source ID): Drinking Water (436980-001) **Method:** EPA 300.0 **Prep Method:** METHOD

QC897085 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	51.02	1.097	50.00	mg/L	100%		80-120	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC897086**	**Batch:**	**257065**
Matrix (Source ID):	**Drinking Water (436980-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC897086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	51.58	1.097	50.00	mg/L	101%		80-120	1	20	1

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

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931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

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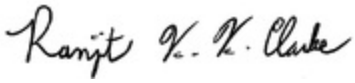
Lab Job Number: 436589
Report Level: II
Report Date: 12/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436589
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/18/20

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	436589-001	11/18/20 11:50	Water
MCWP-MW04D	436589-002	11/18/20 12:00	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 436589	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:	KbrtaliK@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Michelle Carter + Peter Doan

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
SMBRP-9	11/18/20	1150	W			X	X	X	X	X	X	X	X			
~~SMBRP-12~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			MC
MCWP-MW04D	11/18/20	1200	W			X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	Michelle Carter	Rincon Consultants, Inc.	11/18/20 / 1402
[1] Received By:	[signature]	Jaime A	EA	11/18/2020 1402
[2] Relinquished By:	[signature]	Jaime A	EA	11/18/2020 1613
[2] Received By:	[signature]	Elizabeth Ramirez	EA	11/18/2020 16:13
[3] Relinquished By:				

0.7 / 9.5

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly/ Semi-Annual

Date Received: 11/18/2020

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/18/2020

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ENTHALPY ANALYTICAL

Analysis Results for 436589

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436589
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/18/20

Sample ID: SMBRP-9 **Lab ID: 436589-001** **Collected: 11/18/20 11:50**
Matrix: Water

436589-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256816	11/23/20	11/23/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.58**		mg/L	0.050	0.0080	1	256612	11/19/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**160**		mg/L	5.0	0.14	1	256542	11/18/20 13:00	11/19/20 06:12	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256542	11/18/20 13:00	11/19/20 06:12	JCP
Nitrogen, Nitrate	**9.6**		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 06:12	JCP
Sulfate	**220**		mg/L	10	2.5	10	256542	11/18/20 13:00	11/19/20 16:00	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.54**		mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.52**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256598	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256749	11/21/20 12:24	11/21/20 12:24	WWC
Method: SM 4500-H+ B										
pH	**6.82**	H	SU			1	256633	11/18/20 17:35	11/18/20 17:35	SGC
Temperature	**15.00**	H	deg C	1.00		1	256633	11/18/20 17:35	11/18/20 17:35	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.022**	J	mg/L	0.10	0.010	1	256798	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**10**		mg/L	1.0	0.34	1	256772	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**310**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256599	11/18/20 18:20	11/18/20 18:20	SGC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436589

436589-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.07	1	256597	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	256712	11/20/20	11/21/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**110**		mg/L	1.0		2	256670	11/19/20	11/19/20	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256565	11/18/20 17:35	11/23/20 12:47	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.062**		mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**10**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436589

Sample ID: MCWP-MW04D	Lab ID: 436589-002	Collected: 11/18/20 12:00
	Matrix: Water	

436589-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	256816	11/23/20	11/23/20	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.79**		mg/L	0.050	0.0080	1	256612	11/19/20	11/19/20	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**220**		mg/L	50	1.4	10	256542	11/18/20 13:00	11/19/20 20:53	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	256542	11/18/20 13:00	11/19/20 06:33	JCP
Nitrogen, Nitrate	**1.4**		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 06:33	JCP
Sulfate	**530**		mg/L	10	2.5	10	256542	11/18/20 13:00	11/19/20 20:53	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.14**	J	mg/L	0.40	0.030	1	256698	11/20/20	11/20/20	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.14**		mg/L			1	256935	11/25/20	11/25/20	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	256598	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	256749	11/21/20 12:24	11/21/20 12:24	WWC
Method: SM 4500-H+ B										
pH	**6.72**	H	SU			1	256633	11/18/20 17:38	11/18/20 17:38	SGC
Temperature	**17.30**	H	deg C	1.00		1	256633	11/18/20 17:38	11/18/20 17:38	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Method: SM 4500-P-B5-E										
Phosphorus	**0.088**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 5310B										
Total Organic Carbon	**4.9**		mg/L	1.0	0.34	1	256772	11/19/20	11/19/20	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436589

436589-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	256599	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM2130B										
Turbidity	**0.20**		NTU	0.10	0.07	1	256597	11/18/20 18:20	11/18/20 18:20	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	256712	11/20/20	11/21/20	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.5		1.1	256670	11/19/20	11/19/20	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	256565	11/18/20 17:38	11/23/20 12:47	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.030**	J	mg/L	0.040	0.027	1	256972	11/19/20 10:00	11/19/20 18:50	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.5**		mg/L			1	257108	12/01/20	12/01/20	SLL

< Value is less than indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC895758	**Batch:** 256542
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895758 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	2.4	J	mg/L	5.0	0.14	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/18/20 13:00	11/18/20 15:32
Sulfate	ND		mg/L	1.0	0.25	11/18/20 13:00	11/18/20 15:32

Type: Lab Control Sample	**Lab ID:** QC895759	**Batch:** 256542
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895759 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	97.74	100.0	mg/L	98%		90-110
Nitrogen, Nitrite	9.234	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	9.420	9.036	mg/L	104%		90-110
Sulfate	50.67	50.00	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC895856	**Batch:** 256542
Matrix (Source ID): Water (436592-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895856 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	16,830	17180	100.0	mg/L		E,NM	80-120	50
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120	50
Nitrogen, Nitrate	8.479	ND	9.036	mg/L	94%		80-120	1
Sulfate	2,459	2470	50.00	mg/L	-21%	NM	80-120	50

Type: Matrix Spike Duplicate	**Lab ID:** QC895857	**Batch:** 256542
Matrix (Source ID): Water (436592-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895857 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	16,690	17180	100.0	mg/L		E,NM	80-120		20	50
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120		20	50
Nitrogen, Nitrate	8.992	ND	9.036	mg/L	100%		80-120	6	20	1
Sulfate	2,452	2470	50.00	mg/L	-35%	NM	80-120	0	20	50

Type: Blank	**Lab ID:** QC895828	**Batch:** 256565
Matrix: Water	**Method:** SM5210B	**Prep Method:** METHOD

QC895828 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/18/20 15:23	11/23/20 12:47

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC895829	Batch: 256565
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC895829 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	200.0	198.0	mg/L	101%		84.6-115.4

Type: Sample Duplicate	Lab ID: QC895887	Batch: 256597
Matrix (Source ID): Drinking Water (436591-016)	Method: SM2130B	

QC895887 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.5730	0.5740	NTU		0	20	1

Type: Sample Duplicate	Lab ID: QC895888	Batch: 256598
Matrix (Source ID): Drinking Water (436591-016)	Method: SM 2150B	

QC895888 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate	Lab ID: QC895889	Batch: 256599
Matrix (Source ID): Drinking Water (436591-016)	Method: SM2120B	

QC895889 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Blank	Lab ID: QC895924	Batch: 256612
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895924 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	11/19/20	11/19/20

Type: Lab Control Sample	Lab ID: QC895925	Batch: 256612
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC895925 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.843	2.000	mg/L	92%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC895926	Batch: 256612
Matrix (Source ID): Water (436589-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895926 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.765	0.5812	1.000	mg/L	118%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC895927	Batch: 256612
Matrix (Source ID): Water (436589-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC895927 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.780	0.5812	1.000	mg/L	120%		75-125	1	20	1

Type: Sample Duplicate	Lab ID: QC895999	Batch: 256633
Matrix (Source ID): Water (436589-002)	Method: SM 4500-H+ B	

QC895999 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.750	6.720	SU		0	20	1
Temperature	17.20	17.30	deg C		1	20	1

Type: Blank	Lab ID: QC896080	Batch: 256670
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC896080 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/19/20	11/19/20

Type: Sample Duplicate	Lab ID: QC896081	Batch: 256670
Matrix (Source ID): Water (436575-001)	Method: SM2540D	Prep Method: METHOD

QC896081 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	376.0	384.0	mg/L		2	5	20

Type: Blank	Lab ID: QC896165	Batch: 256698
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC896165 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/20/20	11/20/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC896166	Batch: 256698
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC896166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.565	2.500	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC896167	Batch: 256698
Matrix (Source ID): Water (436495-005)	Method: EPA 351.2	Prep Method: METHOD

QC896167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.75	2.785	12.50	mg/L	112%	*	90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC896168	Batch: 256698
Matrix (Source ID): Water (436495-005)	Method: EPA 351.2	Prep Method: METHOD

QC896168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	16.28	2.785	12.50	mg/L	108%		90-110	3	20	2.5

Type: Blank	Lab ID: QC896202	Batch: 256712
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC896202 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/20/20	11/21/20

Type: Lab Control Sample	Lab ID: QC896203	Batch: 256712
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC896203 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	101.0	100.0	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC896204	Batch: 256712
Matrix (Source ID): Water (436654-001)	Method: SM2540C	Prep Method: METHOD

QC896204 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	24,310	23610	mg/L		3	5	10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC896252** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/20/20	11/20/20

Type: Lab Control Sample **Lab ID: QC896253** **Batch: 256730**
Matrix: Water **Method: SM 4500-P-B5-E**

QC896253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3980	0.4000	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC896254** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4760	0.1300	0.4000	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC896255** **Batch: 256730**
Matrix (Source ID): Water (436592-010) **Method: SM 4500-P-B5-E**

QC896255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5220	0.1300	0.4000	mg/L	98%		75-125	9	20	1

Type: Blank **Lab ID: QC896302** **Batch: 256749**
Matrix: Water **Method: SM 4500-CL-G**

QC896302 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	11/21/20 12:24	11/21/20 12:24

Type: Lab Control Sample **Lab ID: QC896303** **Batch: 256749**
Matrix: Water **Method: SM 4500-CL-G**

QC896303 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9970	1.000	mg/L	100%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate **Lab ID:** QC896304 **Batch:** 256749
Matrix (Source ID): Water (436589-001) **Method:** SM 4500-CL-G

QC896304 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank **Lab ID:** QC896369 **Batch:** 256772
Matrix: Drinking Water **Method:** SM 5310B

QC896369 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	0.30	0.091	11/19/20	11/19/20

Type: Lab Control Sample **Lab ID:** QC896370 **Batch:** 256772
Matrix: Drinking Water **Method:** SM 5310B

QC896370 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.597	10.00	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC896371 **Batch:** 256772
Matrix (Source ID): Drinking Water (436516-001) **Method:** SM 5310B

QC896371 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	19.67	1.426	20.00	mg/L	91%		80-120	2

Type: Matrix Spike Duplicate **Lab ID:** QC896372 **Batch:** 256772
Matrix (Source ID): Drinking Water (436516-001) **Method:** SM 5310B

QC896372 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	21.25	1.426	20.00	mg/L	99%		80-120	8	20	2

Type: Blank **Lab ID:** QC896437 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC896438 **Batch:** 256796
Matrix: Water **Method:** SM 4500-NH3-G

QC896438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.603	2.500	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC896439 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	8.668	6.781	2.500	mg/L	75%	*	80-120	20

Type: Matrix Spike Duplicate **Lab ID:** QC896440 **Batch:** 256796
Matrix (Source ID): Water (436495-001) **Method:** SM 4500-NH3-G

QC896440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	7.245	6.781	2.500	mg/L	19%	*	80-120	18	20	20

Type: Blank **Lab ID:** QC896445 **Batch:** 256798
Matrix: Sea Water **Method:** SM 4500-NH3-G

QC896445 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

Type: Lab Control Sample **Lab ID:** QC896446 **Batch:** 256798
Matrix: Sea Water **Method:** SM 4500-NH3-G

QC896446 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.632	2.500	mg/L	105%		80-120

Type: Matrix Spike **Lab ID:** QC896447 **Batch:** 256798
Matrix (Source ID): Sea Water (436520-001) **Method:** SM 4500-NH3-G

QC896447 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.599	ND	2.500	mg/L	102%		80-120	1

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Batch QC

Type: Matrix Spike Duplicate | **Lab ID:** QC896448 | **Batch:** 256798
Matrix (Source ID): Sea Water (436520-001) | **Method:** SM 4500-NH3-G

QC896448 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.598	ND	2.500	mg/L	102%		80-120	0	20	1

Type: Blank | **Lab ID:** QC896488 | **Batch:** 256816
Matrix: Water | **Method:** EPA 1664A | **Prep Method:** METHOD

QC896488 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/23/20	11/23/20

Type: Lab Control Sample | **Lab ID:** QC896489 | **Batch:** 256816
Matrix: Water | **Method:** EPA 1664A | **Prep Method:** METHOD

QC896489 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	38.70	40.00	mg/L	97%		78-114

Type: Lab Control Sample Duplicate | **Lab ID:** QC896490 | **Batch:** 256816
Matrix: Water | **Method:** EPA 1664A | **Prep Method:** METHOD

QC896490 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.70	40.00	mg/L	92%		78-114	5	18

Type: Blank | **Lab ID:** QC896863 | **Batch:** 256972
Matrix: Water | **Method:** SM5540C

QC896863 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/19/20 10:00	11/19/20 18:50

Type: Lab Control Sample | **Lab ID:** QC896864 | **Batch:** 256972
Matrix: Water | **Method:** SM5540C

QC896864 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9670	1.000	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC896865**
Matrix (Source ID):	**Water (436649-001)**	**Method:**	**SM5540C**

Batch: 256972

QC896865 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.021	ND	1.000	mg/L	99%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC896866**
Matrix (Source ID):	**Water (436649-001)**	**Method:**	**SM5540C**

Batch: 256972

QC896866 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.006	ND	1.000	mg/L	98%		80-120	1	20	1

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

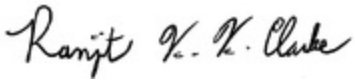
Lab Job Number: 436592
Report Level: II
Report Date: 12/03/2020

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	436592
Project No:	MALIBU
Location:	Malibu - Annual
Date Received:	11/18/20

Sample ID	Lab ID	Collected	Matrix
N-001	436592-001	11/18/20 12:40	Water
N-002	436592-002	11/18/20 12:55	Water
N-003	436592-003	11/18/20 11:05	Water
N-004	436592-004	11/18/20 11:50	Water
L-001	436592-005	11/18/20 09:25	Water
L-002	436592-006	11/18/20 10:05	Water
L-003	436592-007	11/18/20 09:43	Water
L-004	436592-008	11/18/20 10:20	Water
L-005	436592-009	11/18/20 11:20	Water
L-006	436592-010	11/18/20 10:36	Water

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 436592	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water 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:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)	Test Instructions / Comments
N-001	11/18/20	1240 PM	Sea water			X	X	X	X	
N-002		1255 PM				X	X	X	X	
N-003		1105 AM				X	X	X	X	
N-004		1150 AM				X	X	X	X	
L-001		0925 AM				X	X	X	X	
L-002		1005 AM				X	X	X	X	
L-003		0943 AM				X	X	X	X	
L-004		1020 AM				X	X	X	X	
L-005		1120 AM				X	X	X	X	
L-006	↓	1036 AM	↓			X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime Mcclain	Rincon consultants	11/18/20 / ~~1129~~ ML
[1] Received By:		JAIME A	EA	11/18/20 1402
[2] Relinquished By:		JAIME A	EA	11/18/20 1613
[2] Received By:		Elizabeth Ramirez	EA	11/18/2020 16:13
[3] Relinquished By:				
[3] Received By:				

0.7/9.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu-Annual

Date Received: 11/18/2020 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 9.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

4 containers received for each sample.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/18/2020

ENTHALPY ANALYTICAL

Analysis Results for 436592

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 436592
Project No: MALIBU
Location: Malibu - Annual
Date Received: 11/18/20

Sample ID: N-001 **Lab ID: 436592-001** **Collected: 11/18/20 12:40**
Matrix: Water

436592-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 21:14	JDB
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 00:58	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 21:14	JDB
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.082**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.082**	J	mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.0**		mg/L	0.040	0.020	2	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**160**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.082**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: N-002	Lab ID: 436592-002	Collected: 11/18/20 12:55
	Matrix: Water	

436592-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 22:17	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 02:01	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 22:17	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.91**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**1,600**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	ND		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: N-003	Lab ID: 436592-003	Collected: 11/18/20 11:05
	Matrix: Water	

436592-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 22:38	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 02:22	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 22:38	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.15**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.15**	J	mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.35**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.15**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: N-004	Lab ID: 436592-004	Collected: 11/18/20 11:50
	Matrix: Water	

436592-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 22:59	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 02:43	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 22:59	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.078**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.078**	J	mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.077**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**1,600**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.078**		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: L-001	Lab ID: 436592-005	Collected: 11/18/20 09:25
	Matrix: Water	

436592-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/19/20 23:20	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 03:04	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/19/20 23:20	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.52**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.52**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**130**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.52**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: L-002 **Lab ID: 436592-006** **Collected: 11/18/20 10:05**
Matrix: Water

436592-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 00:23	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 04:07	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 00:23	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.68**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.68**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**54**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.68**		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: L-003 **Lab ID: 436592-007** **Collected: 11/18/20 09:43**
Matrix: Water

436592-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 00:44	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 04:28	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 00:44	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.3**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**36**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.3**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: L-004 **Lab ID: 436592-008** **Collected: 11/18/20 10:20**
Matrix: Water

436592-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 01:05	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 04:49	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 01:05	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.92**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.92**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.17**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**80**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.92**		mg/L			1	257108	12/01/20	12/01/20	SLL

Sample ID: L-005 **Lab ID: 436592-009** **Collected: 11/18/20 11:20**
Matrix: Water

436592-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 01:26	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 05:10	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 01:26	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.75**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**0.75**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.095**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**580**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.75**		mg/L			1	257108	12/01/20	12/01/20	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 436592

Sample ID: L-006	Lab ID: 436592-010	Collected: 11/18/20 10:36
	Matrix: Water	

436592-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	256542	11/18/20 13:00	11/20/20 01:47	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	256542	11/18/20 13:00	11/19/20 05:31	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	256542	11/18/20 13:00	11/20/20 01:47	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.1**		mg/L			1	257138	12/01/20	12/01/20	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	256796	11/23/20	11/23/20	SGC
Nitrogen, Total Kjeldahl	**1.1**		mg/L	0.40	0.030	1	256700	11/25/20	12/01/20	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.010	1	256730	11/20/20	11/20/20	SGC
Method: SM 9223Bb										
Fecal Coliform	**91**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	256572	11/18/20 17:00	11/19/20 15:30	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.1**		mg/L			1	257108	12/01/20	12/01/20	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC895758	**Batch:** 256542
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895758 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/18/20 13:00	11/18/20 15:32
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		11/18/20 13:00	11/18/20 15:32

Type: Lab Control Sample	**Lab ID:** QC895759	**Batch:** 256542
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895759 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.234	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	9.420	9.036	mg/L	104%		90-110

Type: Matrix Spike	**Lab ID:** QC895856	**Batch:** 256542
Matrix (Source ID): Water (436592-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895856 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120	50
Nitrogen, Nitrate	8.479	ND	9.036	mg/L	94%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC895857	**Batch:** 256542
Matrix (Source ID): Water (436592-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC895857 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	0	ND	9.134	mg/L	0%	*	80-120		20	50
Nitrogen, Nitrate	8.992	ND	9.036	mg/L	100%		80-120	6	20	1

Type: Blank	**Lab ID:** QC896170	**Batch:** 256700
Matrix: Water	**Method:** SM 4500-NH3-G	

QC896170 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/25/20	12/01/20

Type: Lab Control Sample	**Lab ID:** QC896171	**Batch:** 256700
Matrix: Water	**Method:** SM 4500-NH3-G	

QC896171 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.320	2.500	mg/L	93%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC896172 | **Batch:** 256700
Matrix (Source ID): Water (436592-007) | **Method:** SM 4500-NH3-G

QC896172 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.13	1.312	12.50	mg/L	79%	*	80-120	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC896173 | **Batch:** 256700
Matrix (Source ID): Water (436592-007) | **Method:** SM 4500-NH3-G

QC896173 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	10.08	1.312	12.50	mg/L	70%	*	80-120	10	20	2.5

Type: Blank | **Lab ID:** QC896252 | **Batch:** 256730
Matrix: Water | **Method:** SM 4500-P-B5-E

QC896252 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/20/20	11/20/20

Type: Lab Control Sample | **Lab ID:** QC896253 | **Batch:** 256730
Matrix: Water | **Method:** SM 4500-P-B5-E

QC896253 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3980	0.4000	mg/L	100%		80-120

Type: Matrix Spike | **Lab ID:** QC896254 | **Batch:** 256730
Matrix (Source ID): Water (436592-010) | **Method:** SM 4500-P-B5-E

QC896254 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4760	0.1300	0.4000	mg/L	87%		75-125	1

Type: Matrix Spike Duplicate | **Lab ID:** QC896255 | **Batch:** 256730
Matrix (Source ID): Water (436592-010) | **Method:** SM 4500-P-B5-E

QC896255 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.5220	0.1300	0.4000	mg/L	98%		75-125	9	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC896437**	**Batch: 256796**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC896437 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/23/20	11/23/20

Type: Lab Control Sample	**Lab ID: QC896438**	**Batch: 256796**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC896438 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.603	2.500	mg/L	104%		80-120

Type: Matrix Spike	**Lab ID: QC896439**	**Batch: 256796**
Matrix (Source ID): Water (436495-001)	**Method: SM 4500-NH3-G**	

QC896439 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	8.668	6.781	2.500	mg/L	75%	*	80-120	20

Type: Matrix Spike Duplicate	**Lab ID: QC896440**	**Batch: 256796**
Matrix (Source ID): Water (436495-001)	**Method: SM 4500-NH3-G**	

QC896440 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	7.245	6.781	2.500	mg/L	19%	*	80-120	18	20	20

* Value is outside QC limits
ND Not Detected

			ACCREDITED FIELD OF TESTING (FOT)																											
LABORATORY	**ELAP**	**EXPIRES**	**101**	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**	**111**	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**	**120**	**121**	**122**	**123**	**124**	**125**	**126**	**127**	**128**	**129**
AmeriSci	2508	06/30/2021																					X								
CERES Analytical Laboratory	3046	04/30/2021					X						X						X												
Enthalpy Analytical	2896	01/31/2021		X						X	X	X	X			X	X	X	X			X									
Eurofins Calscience	2944	06/30/2021		X	X	X				X	X	X	X			X	X	X	X		X	X									
Fruit Growers Laboratory	1573	07/31/2021	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X									X			
LA Testing	1406	01/31/2022														X	X					X	X								
North Coast Laboratories	1247	07/31/2021	X	X	X	X	X		X	X	X	X	X			X	X	X	X												
Pat-Chem Laboratories	1531	05/31/2021	X	X	X	X	X		X	X	X	X	X			X	X	X	X			X						X			
Weck Laboratories	1132	03/31/2022	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X			X						X			

FOT KEY:

E101 - Microbiology of Drinking Water
E102 - Inorganic Chemistry of Drinking Water
E103 - Toxic Chemical Elements of Drinking Water
E104 - Volatile Organic Chemistry of Drinking Water
E105 - Semi-volatile Organic Chemistry of Drinking Water
E106 - Radiochemistry of Drinking Water
E107 - Microbiology of Wastewater
E108 - Inorganic Chemistry of Wastewater
E109 - Toxic Chemical Elements of Wastewater
E110 - Volatile Organic Chemistry of Wastewater
E111 - Semi-volatile Organic Chemistry of Wastewater
E112 - Radiochemistry of Wastewater
E113 - Whole Effluent Toxicity of Wastewater
E114 - Inorganic Chemistry & Toxic Chemical Elements of Hazardous Waste
E115 - Extraction Test of Hazardous Waste

E116 - Volatile Organic Chemistry of Hazardous Waste
E117 - Semi-volatile Organic Chemistry of Hazardous Waste
E118 - Radiochemistry of Hazardous Waste
E119 - Toxicity Bioassay of Hazardous Waste
E120 - Physical Properties of Hazardous Waste
E121 - Bulk Asbestos Analysis of Hazardous Waste
E122 - Microbiology of Food (under development)
E123 - Inorganic Chemistry and Toxic Chemical Elements of Pesticide Residues in Food (under development)
E124 - Organic Chemistry of Pesticide Residues in Food (measurements by MS techniques)
E125 - Organic Chemistry of Pesticide Residues in Food (excluding measurements by MS techniques)
E126 - Microbiology of Recreational Water
E127 - Shellfish Sanitation
E128 - Air Quality Monitoring (under development)
E129 - Parasites in Potable Water

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road

Midlothian, VA 23112

Phone: (804) 763-1200

Certificate No. **2508 RECIPROCITY**

Expiration Date **6/30/2021**

***As of 7/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method	Primary Accreditation Body
121.010	001	Bulk Asbestos	EPA 600/M4-82-020	NVLAP

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate No. **3046**
Expiration Date **4/30/2021**

Field of Testing:	105 - Semi-volatile Organic Chemistry of Drinking Water		
105.230	000	Dioxins	EPA 1613 B
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B
Field of Testing:	111 - Semi-volatile Organic Chemistry of Wastewater		
111.111	000	Dioxins and Dibenzofurans	EPA 1613 B
Field of Testing:	117 - Semi-volatile Organic Chemistry of Hazardous Waste		
117.130	000	Dioxins and Dibenzofurans	EPA 8290

As of 5/15/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Enthalpy Analytical LLC

2323 Fifth Street

Berkeley, CA 94710

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2896**

Expiration Date: **1/31/2021**

Effective Date: **2/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Enthalpy Analytical LLC

2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Certificate No. **2896**
Expiration Date **1/31/2021**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.045	001	Perchlorate	EPA 314.0

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Chlorine, Total Residual	SM 4500-Cl C-2011
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.502	002	Ammonia (as N)	SM 4500-NH3 B,E-1997
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.552	001	Silica, Dissolved	SM 4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000

108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8

109.190	001	Mercury	EPA 245.1	
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater				
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
111.100	000	Base/Neutral & Acid Organics	EPA 625	
111.170	000	Organochlorine Pesticides and PCBs	EPA 608	
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste				
114.010	001	Antimony	EPA 6010 B	
114.010	002	Arsenic	EPA 6010 B	
114.010	003	Barium	EPA 6010 B	
114.010	004	Beryllium	EPA 6010 B	
114.010	005	Cadmium	EPA 6010 B	
114.010	006	Chromium	EPA 6010 B	
114.010	007	Cobalt	EPA 6010 B	
114.010	008	Copper	EPA 6010 B	
114.010	009	Lead	EPA 6010 B	
114.010	010	Molybdenum	EPA 6010 B	
114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196 A	Aqueous Only
114.106	001	Chromium (VI)	EPA 7199	Aqueous Only
114.140	001	Mercury	EPA 7470 A	Aqueous Only

114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	Interim
114.240	001	Corrosivity - pH Determination	EPA 9040 B	Interim
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	Interim

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310	Aqueous Only
117.170	000	Nitroaromatics and Nitramines	EPA 8330	Aqueous Only
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.070	001	Corrosivity - pH Determination	EPA 9040 B	Interim
120.080	001	Corrosivity - pH Determination	EPA 9045 C	

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Eurofins Calscience

Irvine

17461 Derian Avenue

Irvine, CA 92614-5817

Phone: (949) 261-1022

Certificate No. **2706**

Expiration Date **6/30/2021** **INTERIM**

***As of 7/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.015	001	Hydrogen Ion (pH)	EPA 150.1
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	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997

Subgroup Code	Analyte Code	Analyte	Method
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.121	001	Hardness	SM 2340 C-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.200	001	Fluoride	SM 4500-F C-1997
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000
102.564	001	Cyanide, Total	Kelada-01

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.092	001	Uranium	EPA 200.8

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus, Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	007	Phosphate, Ortho (as P)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.037	001	Phosphate, Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus, Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.061	001	Acidity	SM 2310 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.067	001	Hardness	SM 2340 C-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.335	001	Cyanide, Total	Kelada-01

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.685	002	Chromium (VI)	SM 3500-Cr B-2011
109.693	001	Iron	SM 3500-Fe B-2011

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3

Subgroup Code	Analyte Code	Analyte	Method
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.260	041	N-nitrosodimethylamine	EPA 1625 B

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.230	001	Sulfides, Total	EPA 9034
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056
114.270	001	Fluoride	EPA 9214

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.020	001	Ignitability	EPA 1020A
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Fruit Growers Laboratory, Inc.

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Phone: (805) 392-2000

Certificate No. **1573**

Expiration Date **7/31/2021**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	002	Fecal Coliform P/A	SM 9221 B, E
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1

Subgroup Code	Analyte Code	Analyte	Method
105.175	004	Dibromochloromethane (Chlorodibromomethane)	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.050	002	Radium-226	EPA 903.0
106.080	001	Tritium	EPA 906.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C, E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus, Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.267	001	Phosphorus, Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus, Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.020	001	Total Alpha Radium	EPA 903.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	002	Arsenic	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	012	Selenium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	014	Thallium	EPA 6020
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.210	000	Organochlorine Pesticides	EPA 8081 A Aqueous Only
117.220	000	PCBs	EPA 8082 Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A Aqueous Only

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649

Phone: (714) 828-4999

Certificate No. **1406**

Expiration Date **1/31/2022**

***As of 2/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.070	001	Corrosivity – pH Determination	EPA 9040 B
120.080	001	Corrosivity – pH Determination	EPA 9045 C

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

North Coast Laboratories, Ltd.

5680 West End Road

Arcata, CA 95521

Phone: (707) 822-4649

Certificate No. **1247**

Expiration Date **7/31/2021** **INTERIM**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997

Subgroup Code	Analyte Code	Analyte	Method
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	001	Benzene	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1

Subgroup Code	Analyte Code	Analyte	Method
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.005	001	E. coli (Enumeration)	SM 9223 B-2004

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.053	002	Oil & Grease Total	EPA 1664 B
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.140	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 D-2011
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011
108.225	001	Surfactants	SM 5540 C-2011
108.325	001	Chemical Oxygen Demand	Hach 8000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.687	001	Chromium (VI)	SM 3500-Cr C-2011

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.030	002	Bis(2-ethylhexyl)phthalate	EPA 606
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	038	Chlorothalonil	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.120	001	2,4-D	EPA 615
111.120	002	2,4-DB	EPA 615
111.120	003	Dicamba	EPA 615
111.120	004	Dichlorprop	EPA 615
111.120	005	Dinoseb	EPA 615
111.120	008	2,4,5-T	EPA 615
111.120	009	2,4,5-TP (Silvex)	EPA 615
111.140	001	Ametryn	EPA 619
111.140	002	Atraton	EPA 619
111.140	003	Atrazine	EPA 619

Subgroup Code	Analyte Code	Analyte	Method
111.140	004	Prometon	EPA 619
111.140	005	Prometryn	EPA 619
111.140	006	Propazine	EPA 619
111.140	008	Simazine	EPA 619
111.140	010	Terbutryn	EPA 619
111.190	008	Ziram (Zinc Dimethyldithiocarbamate)	EPA 630
111.210	002	Barban	EPA 632
111.210	003	Carbaryl	EPA 632
111.210	004	Carbofuran	EPA 632
111.210	005	Chloropropham	EPA 632
111.210	006	Diuron	EPA 632
111.210	007	Fenuron	EPA 632
111.210	009	Linuron	EPA 632
111.210	010	Methiocarb	EPA 632
111.210	011	Methomyl	EPA 632
111.210	013	Monuron	EPA 632
111.210	015	Neburon	EPA 632
111.210	016	Propham	EPA 632
111.210	017	Propoxur	EPA 632
111.210	018	Siduron	EPA 632
111.210	019	Swep	EPA 632

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.150	000	Carbonyl Compounds	EPA 8315 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.280	000	Carbamates	EPA 8321 A

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Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.010	002	Heterotrophic Bacteria	SimPlate
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999

102.192	001	Cyanide, Amenable	SM 4500-CN G-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2

104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Phthalate & Adipate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.070	000	Chlorinated Acids	EPA 515.1
105.070	001	Bentazon	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	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP (Silvex)	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate,Ortho (as P)	EPA 365.1

108.261	001	Phosphorus,Total	EPA 365.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.444	001	Temperature	SM 2550 B-2010
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.465	002	Chlorine, Free	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.596	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7

109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM 3500-Cr B-2009

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B

114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310

117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

Phone: (626) 336-2139

Certificate No. **1132**

Expiration Date **3/31/2022**

***As of 4/7/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.020	006	E. coli (Enumeration)	SM 9221 B, F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.048	001	Perchlorate	EPA 332.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate, Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethene	EPA 524.4
104.058	008	trans-1,2-Dichloroethene	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethene	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.050	000	Organochlorine Pesticides	EPA 508.1
105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1
105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016	EPA 508.1
105.050	022	PCB-1221	EPA 508.1
105.050	023	PCB-1232	EPA 508.1
105.050	024	PCB-1242	EPA 508.1
105.050	025	PCB-1248	EPA 508.1
105.050	026	PCB-1254	EPA 508.1
105.050	027	PCB-1260	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4

Subgroup Code	Analyte Code	Analyte	Method
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2
105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	031	Disinfection Byproducts	EPA 551.1
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3
105.210	002	2,4-D	EPA 555
105.210	004	Dinoseb	EPA 555
105.210	005	Pentachlorophenol	EPA 555
105.210	006	Picloram	EPA 555
105.210	007	2,4,5-TP (Silvex)	EPA 555
105.210	008	Bentazon	EPA 555
105.215	001	Haloacetic Acids (HAA5)	EPA 557
105.215	002	Dalapon	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	EPA 1613 B

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.001	003	E. coli (Enumeration)	SM 9221 C, F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18
107.017	001	Enterococci	Enterolert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus, Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.019	001	Bromide	EPA 300.1 (1997 Rev.1.0)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.035	001	Phosphate, Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus, Total	EPA 365.1 (1993 Rev. 2.0)
108.037	001	Phosphate, Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus, Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.049	001	Phenols, Total	EPA 420.4 (1993 Rev. 2.0)
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011

Subgroup Code	Analyte Code	Analyte	Method
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.657	001	Mercury	EPA 1631 E (2002)

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.070	002	n-Amyl Acetate	EPA 1666
110.070	004	n-Butyl Acetate	EPA 1666
110.070	005	tert-Butyl Alcohol (TBA)	EPA 1666
110.070	006	Diethylamine	EPA 1666
110.070	007	Dimethyl Sulfoxide	EPA 1666
110.070	009	Ethyl Acetate	EPA 1666
110.070	010	n-Heptane	EPA 1666
110.070	011	n-Hexane	EPA 1666
110.070	012	Isobutyraldehyde	EPA 1666
110.070	013	Isopropyl Acetate	EPA 1666
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666
110.070	015	Isopropyl Ether (DIPE)	EPA 1666
110.070	017	2-Methoxyethanol	EPA 1666
110.070	018	Methyl Formate	EPA 1666
110.070	019	4-Methyl-2-pentanone (MIBK)	EPA 1666
110.070	021	Tetrahydrofuran	EPA 1666
110.070	022	Triethylamine	EPA 1666
110.070	023	m-Xylene	EPA 1666
110.070	024	o-Xylene	EPA 1666
110.070	025	p-Xylene	EPA 1666

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3

Subgroup Code	Analyte Code	Analyte	Method
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	050	Pentachloronitrobenzene (PCNB)	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.210	006	Diuron	EPA 632
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitrosodi-n-propylamine	EPA 1625 B
111.260	043	N-nitrosodiphenylamine	EPA 1625 B

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.020	030	Nonhalogenated Volatiles	EPA 8015 B
116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.003	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert