INTEGRATED
PERFORMANCE
CONSULTANTS

February 28, 2023

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

Attention: Information Technology Unit

Malibu Civic Center WTP
2022 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 2020 when the first end user, Bluffs Park, was put into service.

Phase II design, to upgrade the existing WTP to accommodate pending collection system expansion, primarily for Malibu Colony and Serra Retreat, and other MCCWTP adjacent residential properties, was completed in 2021 Q4 and the RFP for construction was advertised in February 2022. Groundbreaking was initially expected to begin in summer 2022, but that was indefinitely postponed when preliminary exploratory efforts discovered potentially buried archaeological features, cultural deposits, or tribal cultural resources. A firm date for groundbreaking cannot be set until the archaeological concerns are resolved, which is expected to take at least a year.

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

Although the COVID-19 pandemic continues to some extent, its effect on sewage flow and load has become negligible, and it did not present any operational challenges in 2022.

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. Manufacturers for the Injection wells 1-3 and the hydropneumatic system panels ultimately refused to mitigate the City's concerns.

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.

In parallel with this work, IPC also added a clean in place system for the UV Units, which has improved disinfection and decreased downtime.

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.

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 the dose required to achieve approximately 67% UVT.

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
Kyle Vardel	IV	42661	Operations Supervisor
Golan Kfir	III	41641	Operations Supervisor
Carlos Alvarez	II	35031	Lead Operator
Mario Aguirre	OIT-1	N/A	O&M Trainee
Jesus Cid Avalos	OIT-1	N/A	O&M Trainee
Daniel Huey	OIT-1	N/A	O&M Trainee
Ervin Tucker	OIT-1	N/A	O&M Trainee
Jon Wu	OIT-1	N/A	O&M Trainee

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 occurred continuously 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.

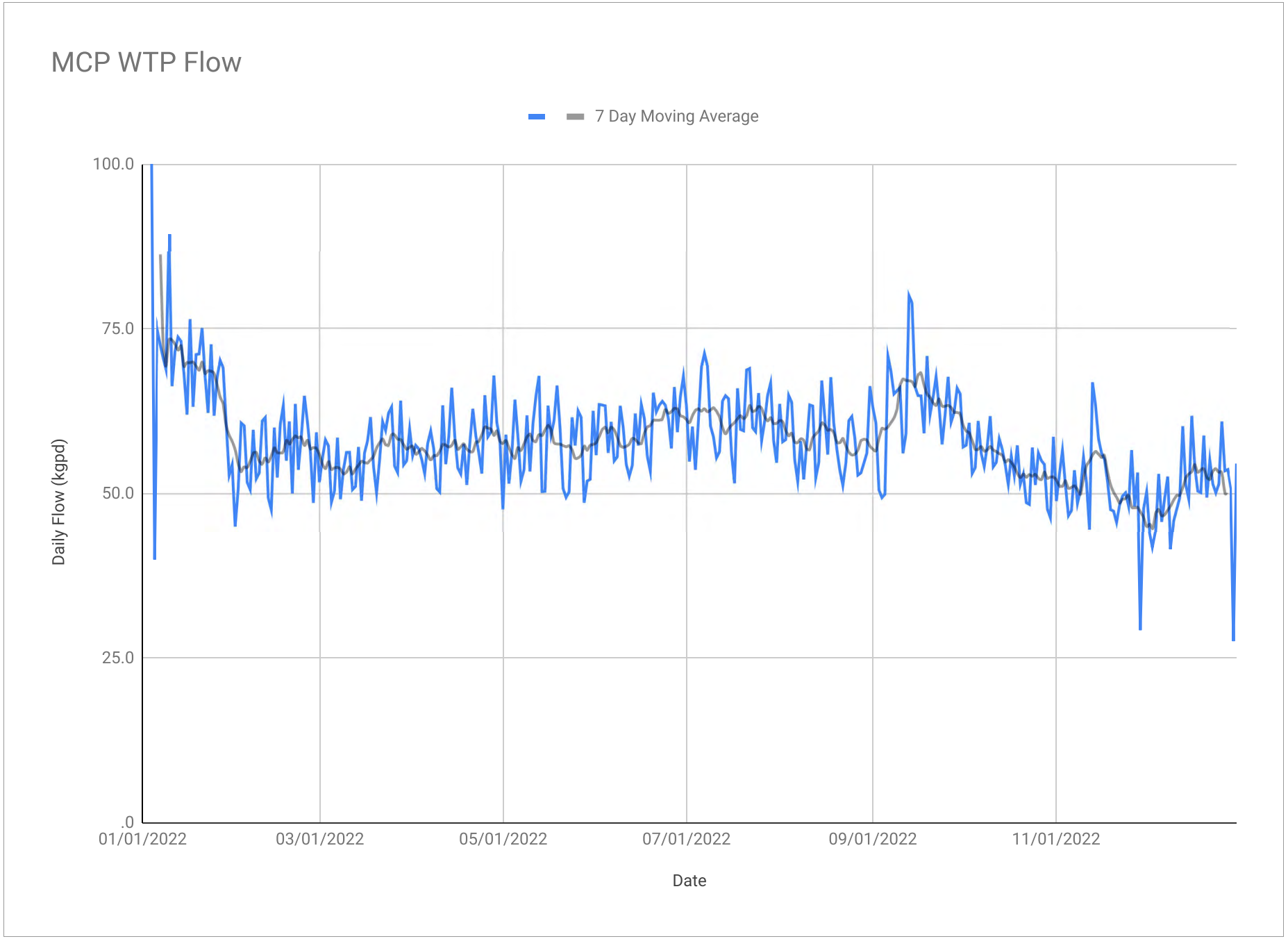
Executed on the 28th day of February, 2023, at Irvine, CA.

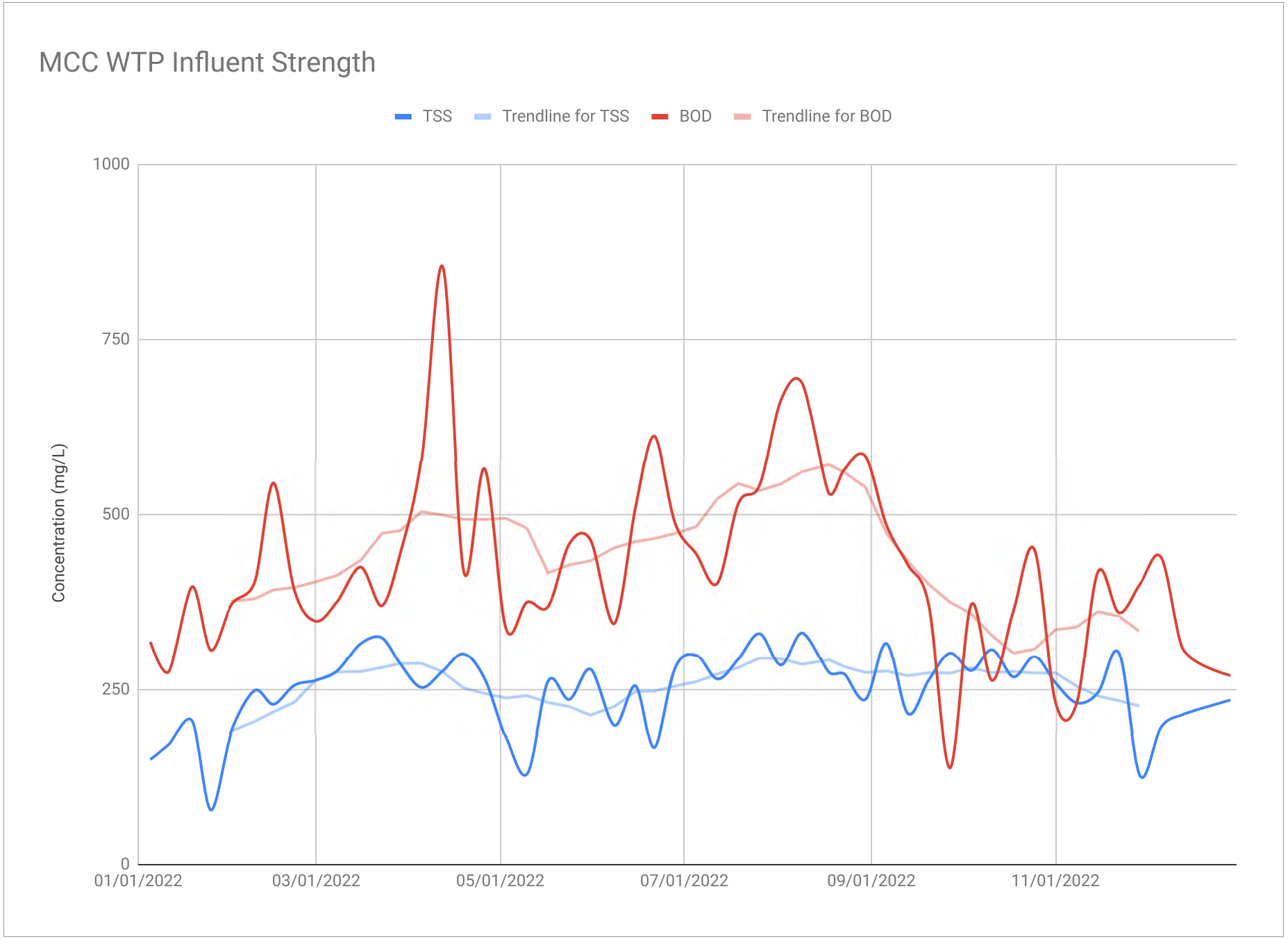
Sincerely,

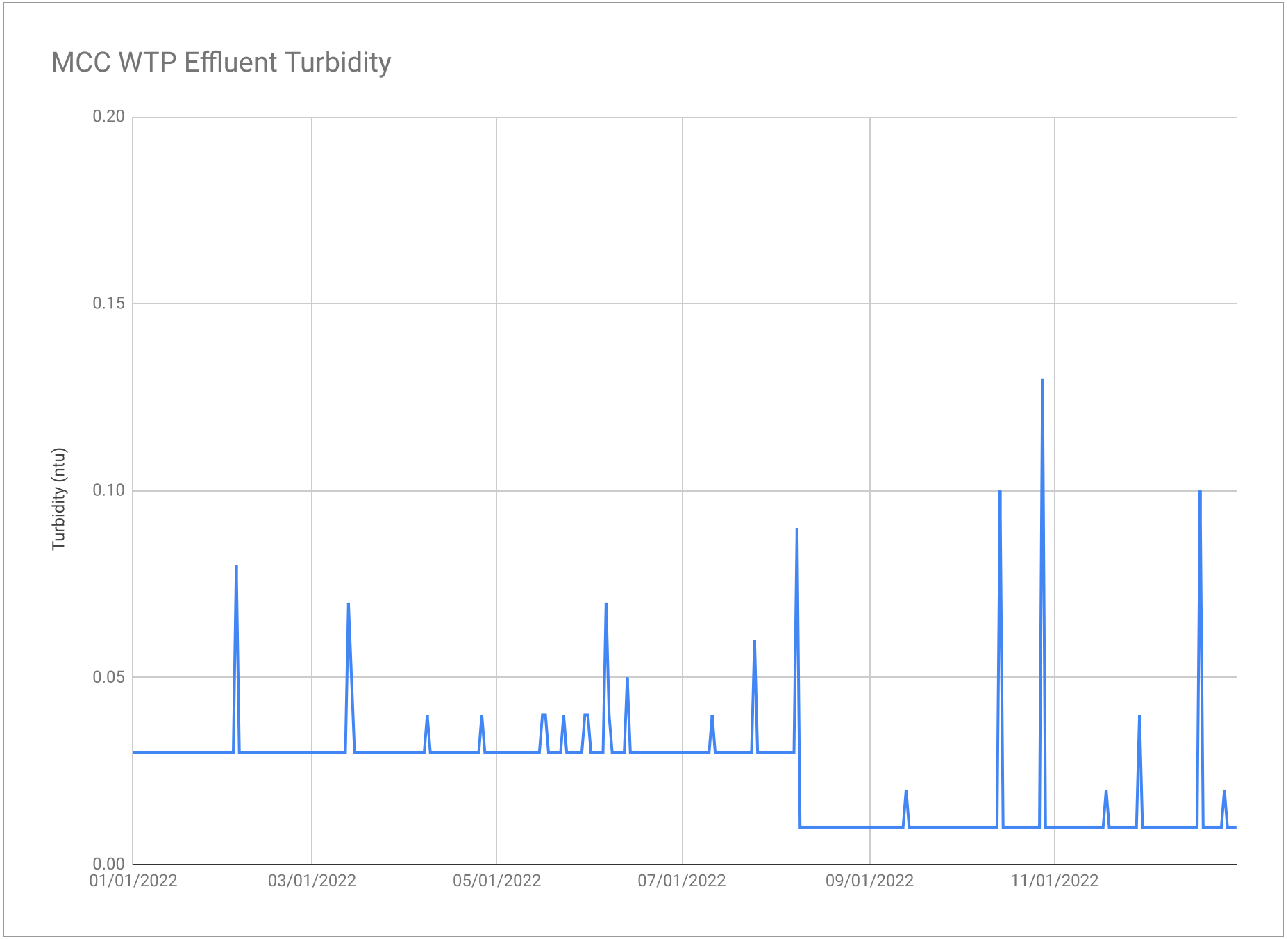


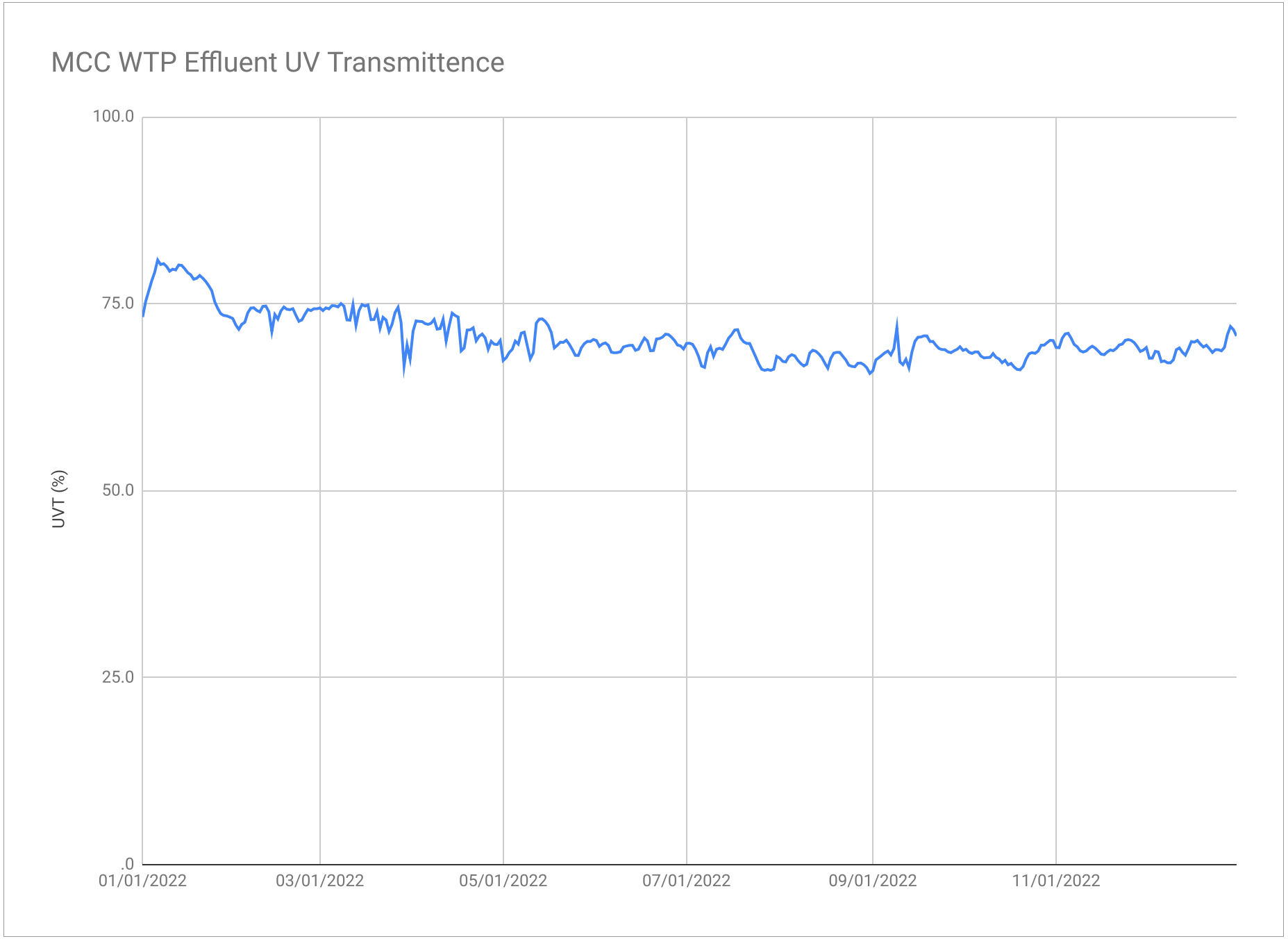
Ric Vardel, IPC Inc.
Chief Plant Operator, License V-4457

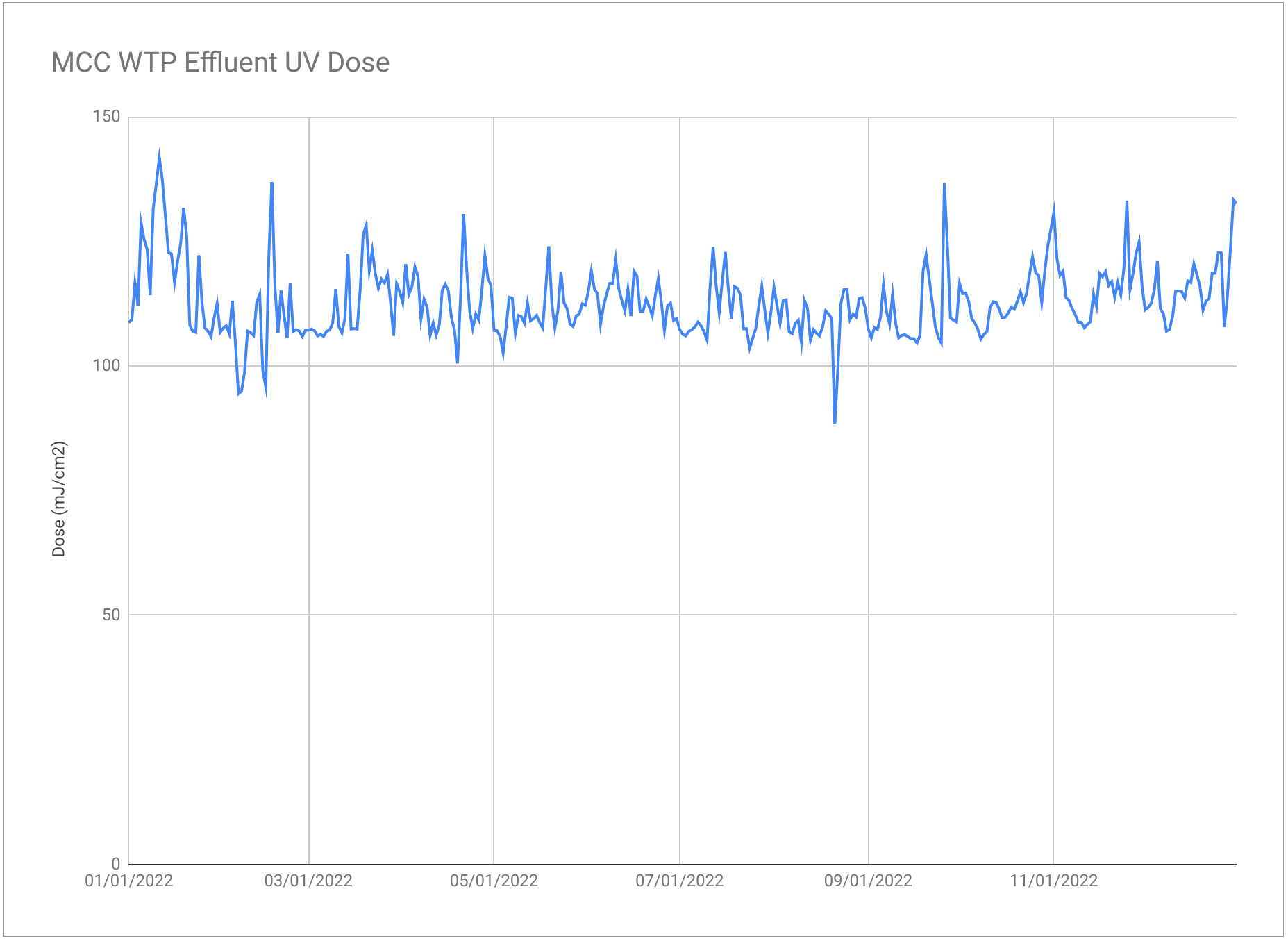
Integrated Performance Consultants, Inc.
Contract Operator, License CO-0083

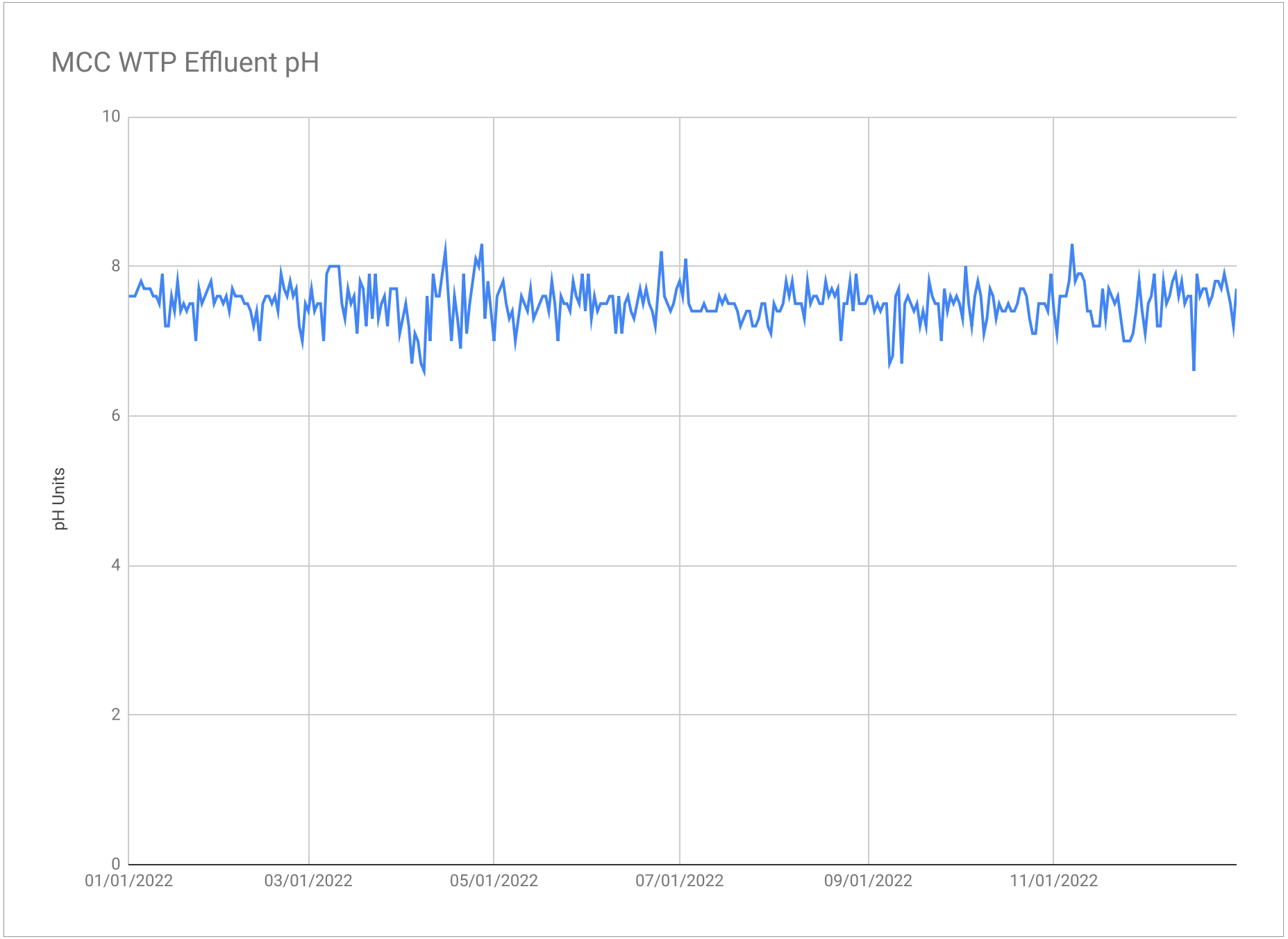

MCP WTP Flow
7 Day Moving Average
100.0
75.0
50.0
25.0
.0
Daily Flow (kgpd)
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022
Date

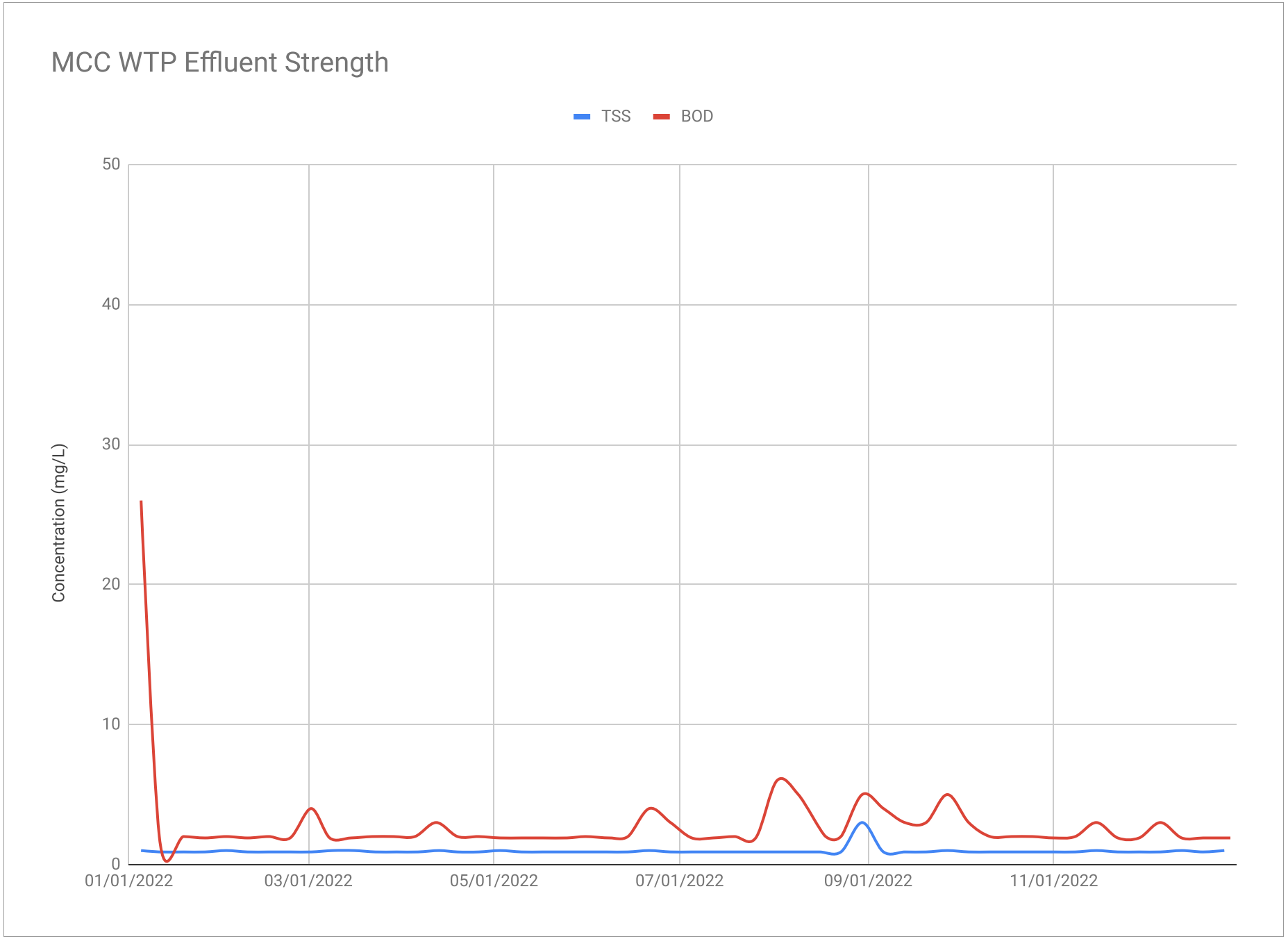

MCC WTP Influent Strength
TSS
Trendline for TSS
BOD
Trendline for BOD
Concentration (mg/L)
1000
750
500
250
0
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022

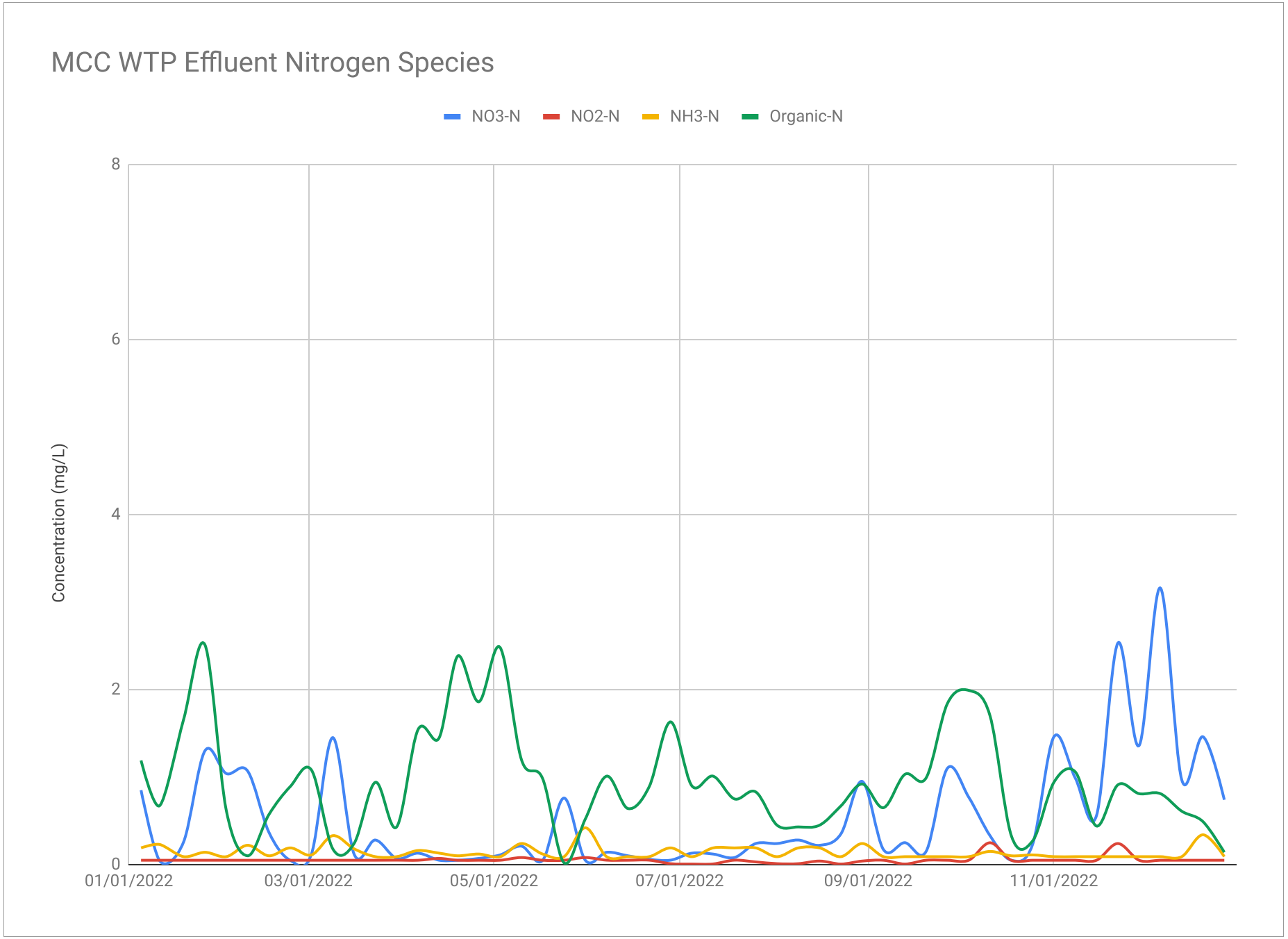

MCC WTP Effluent Turbidity
Turbidity (ntu)
0.20
0.15
0.10
0.05
0.00
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022

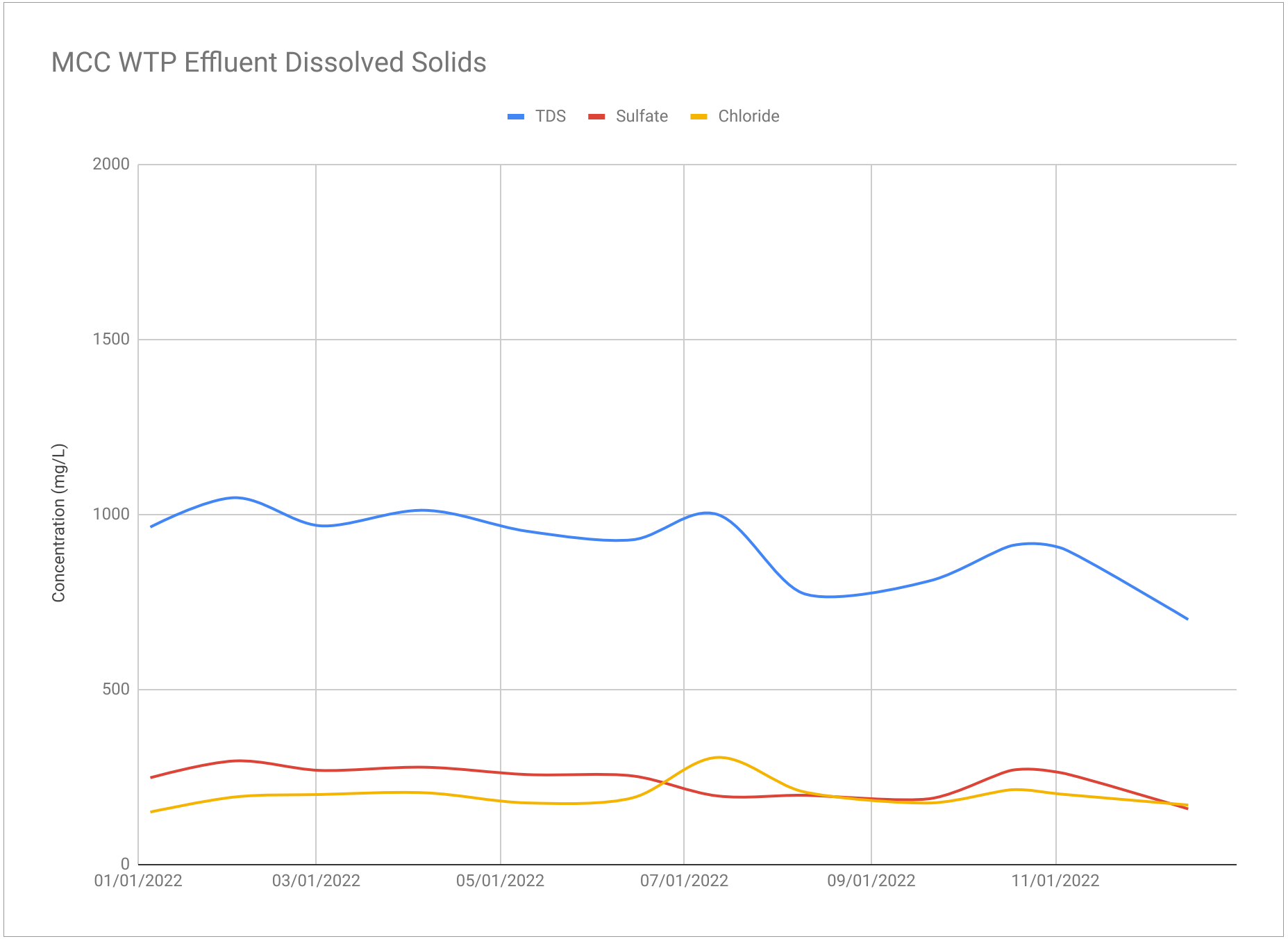

MCC WTP Effluent UV Transmittence
100.0
75.0
50.0
25.0
.0
UVT (%)
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022


MCC WTP Effluent UV Dose
150
100
50
0
Dose (mJ/cm2)
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022


MCC WTP Effluent pH
10
8
6
4
2
0
pH Units
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022


MCC WTP Effluent Strength
TSS
BOD
Concentration (mg/L)
50
40
30
20
10
0
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022


MCC WTP Effluent Nitrogen Species
NO3-N
NO2-N
NH3-N
Organic-N
Concentration (mg/L)
8
6
4
2
0
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022


MCC WTP Effluent Dissolved Solids
TDS
Sulfate
Chloride
Concentration (mg/L)
2000
1500
1000
500
0
01/01/2022
03/01/2022
05/01/2022
07/01/2022
09/01/2022
11/01/2022

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
	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	89.4	204	397	86.6	0.0	31.2	81.5	0.0	0.03	0.16	0.00	80.8	141.8	7.9	1.8	1.8	1.8	0.140	26.0	99.5	1.0	99.6	1.3	1.3	0.05	0.23	2.65	2.51	4.00	4.9	0.0	964	248	150	0.60	0.19
	AVG	66.3	151	324	62.4	0.0	9.2	53.2	0.0	0.03	0.04	0.00	77.5	118.9	7.6	1.8	1.8	1.8	0.089	8.0	97.5	0.9	99.3	0.7	0.6	0.05	0.16	1.67	1.51	2.33	4.9	0.0	964	248	150	0.60	0.19
	MIN	45.0	78	275	4.0	0.0	0.2	3.8	0.0	0.03	0.03	0.00	73.0	105.9	7.0	1.8	1.8	1.8	0.049	1.9	91.8	0.9	98.8	0.1	0.0	0.05	0.09	0.90	0.67	1.00	4.9	0.0	964	248	150	0.60	0.19
FEB	MAX	64.8	256	545	71.0	0.0	33.0	63.3	0.0	0.08	0.23	0.01	74.7	136.9	7.9	1.8	1.8	1.8	0.160	2.0	99.6	1.0	99.6	1.1	1.1	0.05	0.22	1.08	0.89	1.80	4.9	7.1	1,048	296	193	0.28	0.19
	AVG	56.2	231	429	54.8	0.0	11.2	43.6	0.0	0.03	0.07	0.00	73.6	108.3	7.5	1.8	1.8	1.8	0.103	2.0	99.5	0.9	99.6	0.7	0.6	0.05	0.15	0.70	0.55	1.38	4.9	7.1	1,048	296	193	0.28	0.19
	MIN	47.6	190	371	40.5	0.0	0.2	11.5	0.0	0.03	0.03	0.00	71.3	94.4	7.0	1.8	1.8	1.8	0.049	1.9	99.5	0.9	99.5	0.1	0.0	0.05	0.09	0.32	0.10	1.09	4.9	7.1	1,048	296	193	0.28	0.19
MAR	MAX	64.1	324	444	80.1	0.0	40.5	63.8	0.0	0.07	0.22	0.01	74.9	128.2	8.0	1.8	1.8	1.8	0.180	4.0	99.6	1.0	99.7	1.5	1.5	0.05	0.33	1.19	1.08	2.01	4.9	0.3	968	269	200	0.39	0.19
	AVG	56.1	298	397	53.2	0.0	11.7	41.5	0.0	0.03	0.07	0.00	73.1	113.2	7.6	1.8	1.8	1.8	0.113	2.4	99.4	0.9	99.7	0.5	0.4	0.05	0.16	0.73	0.57	1.19	4.9	0.3	968	269	200	0.39	0.19
	MIN	48.9	263	348	23.7	0.0	0.3	9.6	0.0	0.03	0.03	0.00	66.7	105.9	7.0	1.8	1.8	1.8	0.005	1.9	98.9	0.9	99.6	0.1	0.1	0.05	0.09	0.42	0.18	0.59	4.9	0.3	968	269	200	0.39	0.19
APR	MAX	67.9	301	853	69.0	0.0	42.1	61.1	0.0	0.04	0.31	0.02	73.7	130.5	8.3	6.1	1.8	2.0	0.280	3.0	99.7	1.0	99.7	0.2	0.1	0.07	0.16	2.48	2.38	2.58	4.9	0.3	1,012	278	205	0.16	0.19
	AVG	57.6	274	605	55.2	0.0	14.4	40.8	0.0	0.03	0.10	0.00	71.3	113.4	7.5	1.9	1.8	1.8	0.129	2.3	99.6	0.9	99.7	0.1	0.1	0.05	0.13	1.94	1.81	2.06	4.9	0.3	1,012	278	205	0.16	0.19
	MIN	47.6	253	420	42.3	0.0	0.3	0.1	0.0	0.03	0.04	0.00	68.7	100.5	6.6	1.8	1.8	1.8	0.060	2.0	99.5	0.9	99.6	0.1	0.0	0.05	0.10	1.58	1.45	1.70	4.9	0.3	1,012	278	205	0.16	0.19
MAY	MAX	67.8	279	464	75.3	0.0	32.0	64.3	0.0	0.04	0.32	0.10	73.0	124.0	7.9	1.8	1.8	1.8	0.230	2.0	99.6	1.0	99.7	0.8	0.8	0.08	0.42	2.57	2.48	2.73	4.9	0.1	952	257	176	0.23	0.19
	AVG	57.9	218	401	55.4	0.0	15.1	40.4	0.0	0.03	0.12	0.01	69.9	110.5	7.5	1.8	1.8	1.8	0.131	1.9	99.5	0.9	99.5	0.3	0.2	0.06	0.19	1.23	1.04	1.53	4.9	0.1	952	257	176	0.23	0.19
	MIN	48.6	130	338	33.0	0.0	0.3	11.7	0.0	0.03	0.04	0.00	67.4	102.6	7.0	1.8	1.8	1.8	0.049	1.9	99.4	0.9	99.3	0.1	0.0	0.05	0.09	0.11	0.02	0.92	4.9	0.1	952	257	176	0.23	0.19
JUN	MAX	67.8	281	612	99.3	0.0	36.8	83.6	0.0	0.07	0.32	0.02	70.9	121.4	8.2	1.8	1.8	1.8	0.320	4.0	99.6	1.0	99.7	0.2	0.1	0.05	0.19	1.82	1.63	1.88	4.9	0.3	928	253	191	0.20	0.36
	AVG	59.9	226	489	58.1	0.0	18.2	39.9	0.0	0.03	0.12	0.00	69.5	113.6	7.5	1.8	1.8	1.8	0.149	2.7	99.4	0.9	99.6	0.1	0.1	0.04	0.12	1.16	1.04	1.28	4.9	0.3	928	253	191	0.20	0.36
	MIN	52.6	167	345	44.0	0.0	0.5	16.2	0.0	0.03	0.04	0.00	68.4	107.1	7.1	1.8	1.8	1.8	0.090	1.9	99.3	0.9	99.4	0.1	0.1	0.01	0.09	0.73	0.64	0.88	4.9	0.3	928	253	191	0.20	0.36
JUL	MAX	71.2	330	542	69.7	0.0	43.8	63.3	0.0	0.06	0.29	0.02	71.5	123.9	8.1	2.0	1.8	1.8	0.180	2.0	99.6	0.9	99.7	0.3	0.2	0.05	0.19	1.20	1.01	1.33	4.9	0.5	1,000	196	306	0.25	0.20
	AVG	62.0	297	476	59.6	0.0	21.2	38.4	0.0	0.03	0.09	0.00	68.6	110.8	7.4	1.8	1.8	1.8	0.128	1.9	99.6	0.9	99.7	0.2	0.1	0.02	0.17	1.04	0.87	1.20	4.9	0.5	1,000	196	306	0.25	0.20
	MIN	51.6	265	402	50.6	0.0	0.4	8.2	0.0	0.03	0.03	0.00	66.1	103.6	7.1	1.8	1.8	1.8	0.060	1.9	99.5	0.9	99.7	0.1	0.1	0.01	0.09	0.94	0.75	1.07	4.9	0.5	1,000	196	306	0.25	0.20
AUG	MAX	67.7	331	688	66.9	0.0	33.1	62.7	0.0	0.09	0.32	0.02	68.8	115.8	7.9	1.8	1.8	1.8	0.240	6.0	99.6	3.0	99.7	1.0	1.0	0.04	0.24	1.16	0.92	2.15	4.9	0.0	776	198	209	0.29	0.20
	AVG	57.3	280	606	54.3	0.0	9.2	45.1	0.0	0.02	0.10	0.00	67.5	109.3	7.6	1.8	1.8	1.8	0.134	4.0	99.4	1.3	99.5	0.4	0.4	0.02	0.16	0.74	0.58	1.17	4.9	0.0	776	198	209	0.29	0.20
	MIN	49.4	236	530	39.5	0.0	0.4	14.4	0.0	0.01	0.02	0.00	65.7	88.5	7.0	1.8	1.8	1.8	0.040	2.0	99.1	0.9	98.7	0.3	0.2	0.01	0.09	0.54	0.43	0.79	4.9	0.0	776	198	209	0.29	0.20
SEP	MAX	80.0	316	485	77.4	0.0	40.1	77.0	0.0	0.02	0.31	0.03	71.8	136.7	7.8	1.8	1.8	1.8	0.230	5.0	99.3	1.0	99.7	1.1	1.1	0.05	0.09	1.93	1.84	3.08	4.9	1.8	812	189	176	0.30	0.19
	AVG	63.9	275	356	57.4	0.0	15.8	41.6	0.0	0.01	0.05	0.00	68.8	110.7	7.4	1.8	1.8	1.8	0.119	3.8	98.5	0.9	99.7	0.5	0.4	0.04	0.09	1.22	1.13	1.67	4.9	1.8	812	189	176	0.30	0.19
	MIN	53.1	216	138	43.9	0.0	0.3	14.6	0.0	0.01	0.02	0.00	66.0	104.6	6.7	1.8	1.8	1.8	0.049	3.0	96.4	0.9	99.6	0.2	0.2	0.01	0.09	0.74	0.65	0.96	4.9	1.8	812	189	176	0.30	0.19
OCT	MAX	61.7	307	450	64.2	0.0	23.1	59.1	0.0	0.13	0.22	0.01	70.1	127.5	8.0	1.8	1.8	1.8	0.770	3.0	99.6	0.9	99.7	0.8	0.8	0.25	0.15	2.08	1.99	2.90	4.9	0.1	912	270	214	0.28	0.19
	AVG	53.9	287	362	51.9	0.0	10.6	41.4	0.0	0.02	0.05	0.00	68.1	113.6	7.5	1.8	1.8	1.8	0.104	2.3	99.4	0.9	99.7	0.4	0.3	0.10	0.11	1.19	1.07	1.63	4.9	0.1	912	270	214	0.28	0.19
	MIN	46.4	268	263	40.9	0.0	0.3	23.9	0.0	0.01	0.02	0.00	66.2	105.4	7.1	1.8	1.8	1.8	0.040	2.0	99.2	0.9	99.7	0.1	0.0	0.05	0.09	0.38	0.27	0.53	4.9	0.1	912	270	214	0.28	0.19
NOV	MAX	66.9	302	418	82.1	0.0	23.7	81.5	0.0	0.04	0.23	0.01	71.0	133.2	8.3	1.8	1.8	1.8	0.960	3.0	99.5	1.0	99.7	2.8	2.5	0.24	0.09	1.15	1.06	3.77	4.9	0.1	904	262	201	0.25	0.19
	AVG	50.3	233	328	49.3	0.0	6.0	43.3	0.0	0.01	0.05	0.00	69.3	116.3	7.5	1.8	1.8	1.8	0.104	2.1	99.3	0.9	99.6	1.5	1.4	0.09	0.09	0.92	0.83	2.39	4.9	0.1	904	262	201	0.25	0.19
	MIN	29.3	127	230	15.7	0.0	0.3	0.1	0.0	0.01	0.02	0.00	68.2	107.7	7.0	1.8	1.8	1.8	0.040	1.9	99.1	0.9	99.3	0.6	0.6	0.05	0.09	0.53	0.44	1.14	4.9	0.1	904	262	201	0.25	0.19
DEC	MAX	81.7	235	439	85.0	0.0	31.0	84.7	4.5	0.10	0.17	0.00	72.0	133.3	7.9	1.8	1.8	1.8	0.200	3.0	99.4	1.0	99.6	3.2	3.2	0.05	0.34	0.90	0.81	4.11	4.9	0.1	700	159	170	0.52	0.19
	AVG	53.3	215	340	53.3	0.0	7.1	46.2	0.2	0.01	0.02	0.00	69.0	116.0	7.6	1.8	1.8	1.8	0.071	2.2	99.3	1.0	99.5	1.6	1.6	0.05	0.15	0.67	0.51	2.30	4.9	0.1	700	159	170	0.52	0.19
	MIN	27.6	196	270	25.1	0.0	0.3	5.2	0.0	0.01	0.02	0.00	67.1	107.0	6.6	1.8	1.8	1.8	0.049	1.9	99.3	0.9	99.5	0.8	0.7	0.05	0.09	0.23	0.14	1.02	4.9	0.1	700	159	170	0.52	0.19
ANNUAL	MAX	89.4	331	853	99.3	0.0	43.8	84.7	4.5	0.13	0.32	0.10	80.8	141.8	8.3	6.1	1.8	2.0	0.960	26.0	99.7	3.0	99.7	3.2	3.2	0.25	0.42	2.65	2.51	4.11	4.9	7.1	1,048	296	306	0.60	0.36
	AVG	57.9	249	426	55.4	0.0	12.5	42.9	0.0	0.02	0.07	0.00	70.5	112.9	7.5	1.8	1.8	1.8	0.114	3.0	99.2	1.0	99.6	0.6	0.5	0.05	0.14	1.10	0.96	1.68	4.9	0.9	915	240	199	0.31	0.21
	MIN	27.6	78	138	4.0	0.0	0.2	0.1	0.0	0.01	0.02	0.00	65.7	88.5	6.6	1.8	1.8	1.8	0.005	1.9	91.8	0.9	98.7	0.1	0.0	0.01	0.09	0.11	0.02	0.53	4.9	0.0	700	159	150	0.16	0.19

		Mgal
ANNUAL	TOTAL	21.1

Mgal	Mgal	Mgal	Mgal	Mgal
20.2	0.0	4.6	14.4	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		
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																	
01/01/2022	Sat	75.0			4.0	0.0	0.2	3.8	0.0	0.03	0.04	0.00	73.2	108.7	7.6	1.79	1.79	1.79	0.100																				
01/02/2022	Sun	72.7			81.8	0.0	0.3	81.5	0.0	0.03	0.04	0.00	75.3	109.4	7.6	1.79	1.79	1.79	0.110																				
01/03/2022	Mon	70.7			67.3	0.0	0.2	67.0	0.0	0.03	0.04	0.00	76.7	116.6	7.6	1.79	1.79	1.79	0.120																				
01/04/2022	Tue	68.8			64.5	0.0	15.5	49.0	0.0	0.03	0.04	0.00	78.0	112.1	7.7	1.79	1.79	1.79	0.120																				
01/05/2022	Wed	89.4	150	318	86.6	0.0	17.1	69.5	0.0	0.03	0.04	0.00	79.2	128.7	7.8	1.79	1.79	1.79	0.110	26.0	91.8	1.0	99.3	0.9	0.9	0.05	0.19	1.38	1.19	2.28	4.9	0.0	964	248	150	0.60	0.19
01/06/2022	Thu	66.3			78.0	0.0	10.6	67.4	0.0	0.03	0.03	0.00	80.8	125.4	7.7	1.79	1.79	1.79	0.080																				
01/07/2022	Fri	71.6			53.3	0.0	0.3	53.1	0.0	0.03	0.03	0.00	80.2	123.4	7.7	1.79	1.79	1.79	0.049																				
01/08/2022	Sat	73.7			62.1	0.0	0.2	61.9	0.0	0.03	0.04	0.00	80.4	114.3	7.7	1.79	1.79	1.79	0.049																				
01/09/2022	Sun	73.1			81.1	0.0	0.3	80.9	0.0	0.03	0.04	0.00	80.0	131.6	7.6	1.79	1.79	1.79	0.090																				
01/10/2022	Mon	68.0			62.5	0.0	1.2	61.2	0.0	0.03	0.03	0.00	79.3	136.5	7.6	1.79	1.79	1.79	0.090																				
01/11/2022	Tue	62.0	171	275	60.4	0.0	13.9	46.6	0.0	0.03	0.04	0.00	79.6	141.8	7.5	1.79	1.79	1.79	0.130	2.0	99.3	0.9	99.5	0.1	0.0	0.05	0.23	0.90	0.67	1.00							
01/12/2022	Wed	76.5			66.6	0.0	15.5	51.1	0.0	0.03	0.04	0.00	79.5	137.4	7.9	1.79	1.79	1.79	0.060																				
01/13/2022	Thu	63.2			85.0	0.0	21.8	63.1	0.0	0.03	0.04	0.00	80.2	130.0	7.2	1.79	1.79	1.79	0.060																				
01/14/2022	Fri	71.1			49.4	0.0	28.9	20.4	0.0	0.03	0.04	0.00	80.1	122.8	7.2	1.79	1.79	1.79	0.049																				
01/15/2022	Sat	71.2			77.1	0.0	3.1	74.0	0.0	0.03	0.04	0.00	79.7	122.5	7.6	1.79	1.79	1.79	0.049																				
01/16/2022	Sun	75.1			68.4	0.0	9.5	58.8	0.0	0.03	0.04	0.00	79.2	116.8	7.4	1.79	1.79	1.79	0.050																				
01/17/2022	Mon	67.7			68.7	0.0	9.8	58.9	0.0	0.03	0.03	0.00	78.9	121.0	7.8	1.79	1.79	1.79	0.049																				
01/18/2022	Tue	62.2			64.6	0.0	0.3	64.3	0.0	0.03	0.12	0.00	78.3	124.5	7.4	1.79	1.79	1.79	0.090																				
01/19/2022	Wed	72.6	204	397	63.6	0.0	0.9	62.8	0.0	0.03	0.03	0.00	78.4	131.7	7.5	1.79	1.79	1.79	0.100	2.0	99.5	0.9	99.6	0.3	0.3	0.05	0.09	1.75	1.66	2.06							
01/20/2022	Thu	61.8			77.8	0.0	20.1	57.7	0.0	0.03	0.04	0.00	78.8	126.0	7.4	1.79	1.79	1.79	0.120																				
01/21/2022	Fri	67.7			51.2	0.0	0.6	50.5	0.0	0.03	0.04	0.00	78.4	108.2	7.5	1.79	1.79	1.79	0.110																				
01/22/2022	Sat	70.2			65.3	0.0	6.8	58.5	0.0	0.03	0.04	0.00	78.0	107.0	7.5	1.79	1.79	1.79	0.110																				
01/23/2022	Sun	69.1			65.2	0.0	8.5	56.7	0.0	0.03	0.04	0.00	77.4	106.7	7.0	1.79	1.79	1.79	0.090																				
01/24/2022	Mon	60.8			71.7	0.0	31.2	40.5	0.0	0.03	0.04	0.00	76.7	122.2	7.7	1.79	1.79	1.79	0.140																				
01/25/2022	Tue	52.8	78	306	55.4	0.0	3.1	52.3	0.0	0.03	0.16	0.00	75.2	112.9	7.5	1.79	1.79	1.79	0.100																				
01/26/2022	Wed	54.4			48.1	0.0	0.3	47.8	0.0	0.03	0.04	0.00	74.4	107.6	7.6	1.79	1.79	1.79	0.049	1.9	99.4	0.9	98.8	1.3	1.3	0.05	0.14	2.65	2.51	4.00							
01/27/2022	Thu	45.0			57.2	0.0	16.9	40.4	0.0	0.03	0.04	0.00	73.7	107.0	7.7	1.79	1.79	1.79	0.140																				
01/28/2022	Fri	50.7			38.0	0.0	17.3	20.7	0.0	0.03	0.04	0.00	73.4	105.9	7.8	1.79	1.79	1.79	0.120																				
01/29/2022	Sat	60.7			45.9	0.0	8.4	37.6	0.0	0.03	0.04	0.00	73.4	109.7	7.5	1.79	1.79	1.79	0.070																				
01/30/2022	Sun	60.3			62.6	0.0	13.7	48.9	0.0	0.03	0.04	0.00	73.2	112.6	7.6	1.79	1.79	1.79	0.049																				
01/31/2022	Mon	51.7			50.7	0.0	9.8	40.9	0.0	0.03	0.03	0.00	73.0	106.7	7.6	1.79	1.79	1.79	0.100																				
TOTAL	2,056			1,934	0.0	286	1,648	0.0																														
MAX	89.4	204	397	86.6	0.0	31.2	81.5	0.0	0.03	0.16	0.00	80.8	141.8	7.9	1.79	1.79	1.79	0.140	26.0	99.5	1.0	99.6	1.3	1.3	0.05	0.23	2.65	2.51	4.00	4.9	0.0	964	248	150	0.60	0.19
AVG	66.3	151	324	62.4	0.0	9.2	53.2	0.0	0.03	0.04	0.00	77.5	118.9	7.6	1.79	1.79	1.79	0.089	8.0	97.5	0.9	99.3	0.7	0.6	0.05	0.16	1.67	1.51	2.33	4.9	0.0	964	248	150	0.60	0.19
MIN	45.0	78	275	4.0	0.0	0.2	3.8	0.0	0.03	0.03	0.00	73.0	105.9	7.0	1.79	1.79	1.79	0.049	1.9	91.8	0.9	98.8	0.1	0.0	0.05	0.09	0.90	0.67	1.00	4.9	0.0	964	248	150	0.60	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending

###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
02/01/2022	Tue	50.6	190	371	46.5	0.0	0.3	46.2	0.0	0.03	0.21	0.01	72.2	107.6	7.5	1.79	1.79	1.79	0.080																			
02/02/2022	Wed	59.7			60.3	0.0	0.3	60.0	0.0	0.03	0.04	0.00	71.6	108.1	7.6	1.79	1.79	1.79	0.080	2.0	99.5	1.0	99.5	1.1	1.0	0.05	0.09	0.71	0.62	1.80	4.9	7.1	1,048	296	193	0.28	0.19
02/03/2022	Thu	52.3			59.8	0.0	7.4	52.4	0.0	0.03	0.04	0.00	72.2	106.5	7.4	1.79	1.79	1.79	0.070																			
02/04/2022	Fri	53.1			40.5	0.0	28.9	11.5	0.0	0.08	0.23	0.01	72.5	113.1	7.7	1.79	1.79	1.79	0.049																			
02/05/2022	Sat	61.0			62.4	0.0	0.2	62.2	0.0	0.03	0.04	0.00	73.8	104.8	7.6	1.79	1.79	1.79	0.100																			
02/06/2022	Sun	61.5			59.8	0.0	7.3	52.5	0.0	0.03	0.04	0.00	74.4	94.4	7.6	1.79	1.79	1.79	0.130																			
02/07/2022	Mon	49.3			52.8	0.0	22.5	30.3	0.0	0.03	0.04	0.00	74.5	94.9	7.6	1.79	1.79	1.79	0.080																			
02/08/2022	Tue	47.6			46.1	0.0	7.9	38.3	0.0	0.03	0.22	0.01	74.1	98.7	7.5	1.79	1.79	1.79	0.140																			
02/09/2022	Wed	60.0	249	406	50.3	0.0	33.0	17.3	0.0	0.03	0.04	0.00	73.9	107.0	7.5	1.79	1.79	1.79	0.060	1.9	99.5	0.9	99.6	1.1	1.1	0.05	0.22	0.32	0.10	1.44							
02/10/2022	Thu	52.4			53.6	0.0	7.3	46.3	0.0	0.03	0.03	0.00	74.6	106.7	7.4	1.79	1.79	1.79	0.120																			
02/11/2022	Fri	60.5			49.4	0.0	28.9	20.4	0.0	0.03	0.04	0.00	74.7	106.1	7.2	1.79	1.79	1.79	0.090																			
02/12/2022	Sat	63.4			57.1	0.0	0.2	56.9	0.0	0.03	0.04	0.00	73.9	112.8	7.4	1.79	1.79	1.79	0.100																			
02/13/2022	Sun	55.0			71.0	0.0	7.7	63.3	0.0	0.03	0.04	0.00	71.3	114.4	7.0	1.79	1.79	1.79	0.100																			
02/14/2022	Mon	60.9			46.2	0.0	33.0	13.2	0.0	0.03	0.11	0.00	73.6	99.1	7.5	1.79	1.79	1.79	0.130																			
02/15/2022	Tue	50.0	229	545	64.3	0.0	9.0	55.2	0.0	0.03	0.19	0.00	72.9	95.8	7.6	1.79	1.79	1.79	0.100																			
02/16/2022	Wed	63.6			46.6	0.0	12.6	34.0	0.0	0.03	0.04	0.00	74.0	122.3	7.6	1.79	1.79	1.79	0.050	2.0	99.6	0.9	99.6	0.4	0.4	0.05	0.10	0.67	0.57	1.09							
02/17/2022	Thu	53.6			62.8	0.0	8.4	54.3	0.0	0.03	0.04	0.00	74.6	136.9	7.5	1.79	1.79	1.79	0.160																			
02/18/2022	Fri	58.7			50.0	0.0	19.2	30.8	0.0	0.03	0.04	0.00	74.3	115.9	7.6	1.79	1.79	1.79	0.110																			
02/19/2022	Sat	64.8			57.3	0.0	3.1	54.3	0.0	0.03	0.04	0.00	74.2	106.7	7.4	1.79	1.79	1.79	0.100																			
02/20/2022	Sun	61.0			69.4	0.0	8.4	61.0	0.0	0.03	0.04	0.00	74.3	115.1	7.9	1.79	1.79	1.79	0.110																			
02/21/2022	Mon	56.3			54.7	0.0	12.1	42.7	0.0	0.03	0.04	0.00	73.5	110.1	7.7	1.79	1.79	1.79	0.100																			
02/22/2022	Tue	48.6	256	392	53.7	0.0	9.1	44.7	0.0	0.03	0.19	0.00	72.6	105.7	7.6	1.79	1.79	1.79	0.110																			
02/23/2022	Wed	59.3			51.2	0.0	20.2	31.0	0.0	0.03	0.03	0.00	72.8	116.5	7.8	1.79	1.79	1.79	0.090	1.9	99.5	0.9	99.6	0.1	0.0	0.05	0.19	1.08	0.89	1.18							
02/24/2022	Thu	51.7			46.7	0.0	12.2	34.4	0.0	0.03	0.03	0.00	73.6	106.9	7.6	1.79	1.79	1.79	0.140																			
02/25/2022	Fri	55.4			50.8	0.0	0.2	50.5	0.0	0.03	0.03	0.00	74.2	107.3	7.7	1.79	1.79	1.79	0.120																			
02/26/2022	Sat	58.2			51.7	0.0	0.3	51.5	0.0	0.03	0.03	0.00	74.1	107.0	7.2	1.79	1.79	1.79	0.140																			
02/27/2022	Sun	57.3			64.4	0.0	1.2	63.2	0.0	0.03	0.04	0.00	74.3	105.9	7.0	1.79	1.79	1.79	0.110																			
02/28/2022	Mon	48.7			54.7	0.0	12.2	42.5	0.0	0.03	0.12	0.00	74.3	107.2	7.5	1.79	1.79	1.79	0.110																			
TOTAL	1,575			1,534	0.0	313	1,221	0.0																													
MAX	64.8	256	545	71.0	0.0	33.0	63.3	0.0	0.08	0.23	0.01	74.7	136.9	7.9	1.79	1.79	1.79	0.160	2.0	99.6	1.0	99.6	1.1	1.1	0.05	0.22	1.08	0.89	1.80	4.9	7.1	1,048	296	193	0.28	0.19
AVG	56.2	231	429	54.8	0.0	11.2	43.6	0.0	0.03	0.07	0.00	73.6	108.3	7.5	1.79	1.79	1.79	0.103	2.0	99.5	0.9	99.6	0.7	0.6	0.05	0.15	0.70	0.55	1.38	4.9	7.1	1,048	296	193	0.28	0.19
MIN	47.6	190	371	40.5	0.0	0.2	11.5	0.0	0.03	0.03	0.00	71.3	94.4	7.0	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.5	0.1	0.0	0.05	0.09	0.32	0.10	1.09	4.9	7.1	1,048	296	193	0.28	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
03/01/2022	Tue	50.4	263	348	40.5	0.0	14.6	25.9	0.0	0.03	0.22	0.01	74.4	107.2	7.4	1.79	1.79	1.79	0.140																			
03/02/2022	Wed	58.5			50.2	0.0	40.5	9.6	0.0	0.03	0.04	0.00	74.1	107.4	7.7	1.79	1.79	1.79	0.080	4.0	98.9	0.9	99.7	0.2	0.1	0.05	0.11	1.19	1.08	1.36	4.9	0.3	968	269	200	0.39	0.19
03/03/2022	Thu	53.7			48.8	0.0	10.9	37.9	0.0	0.03	0.03	0.00	74.3	106.0	7.4	1.79	1.79	1.79	0.120																			
03/04/2022	Fri	56.3			59.1	0.0	1.3	57.8	0.0	0.03	0.03	0.00	74.7	106.3	7.5	1.79	1.79	1.79	0.005																			
03/05/2022	Sat	56.3			54.8	0.0	3.2	51.5	0.0	0.03	0.03	0.00	74.7	105.9	7.5	1.79	1.79	1.79	0.100																			
03/06/2022	Sun	56.3			54.8	0.0	3.2	51.5	0.0	0.03	0.03	0.00	74.7	105.9	7.0	1.79	1.79	1.79	0.100																			
03/07/2022	Mon	50.6			51.8	0.0	9.9	41.9	0.0	0.03	0.03	0.00	74.6	107.0	7.9	1.79	1.79	1.79	0.110																			
03/08/2022	Tue	51.1			46.9	0.0	20.9	26.0	0.0	0.03	0.03	0.00	74.7	108.7	8.0	1.79	1.79	1.79	0.120	1.9																			
03/09/2022	Wed	57.1			54.8	0.0	8.7	46.1	0.0	0.03	0.04	0.00	72.8	115.4	8.0	1.79	1.79	1.79	0.160		99.5	1.0	99.6	1.5	1.5	0.0	0.3	0.5	0.2	2.0							
03/10/2022	Thu	48.9			46.6	0.0	23.7	22.9	0.0	0.03	0.04	0.00	72.8	107.9	8.0	1.79	1.79	1.79	0.160																			
03/11/2022	Fri	56.2			53.4	0.0	0.4	53.0	0.0	0.03	0.10	0.00	74.9	106.6	8.0	1.79	1.79	1.79	0.120																			
03/12/2022	Sat	58.0			55.5	0.0	11.7	43.8	0.0	0.07	0.12	0.00	72.1	109.5	7.5	1.79	1.79	1.79	0.110																			
03/13/2022	Sun	61.6			54.3	0.0	16.9	37.4	0.0	0.05	0.16	0.00	74.1	122.5	7.3	1.79	1.79	1.79	0.150																			
03/14/2022	Mon	54.1			57.6	0.0	13.7	43.9	0.0	0.03	0.22	0.01	74.9	107.4	7.7	1.79	1.79	1.79	0.150																			
03/15/2022	Tue	50.1	316	425	47.3	0.0	19.7	27.6	0.0	0.03	0.04	0.00	74.7	107.5	7.5	1.79	1.79	1.79	0.170	1.9																			
03/16/2022	Wed	55.1			53.4	0.0	11.6	41.8	0.0	0.03	0.03	0.00	74.8	107.4	7.6	1.79	1.79	1.79	0.120		99.6	1.0	99.7	0.2	0.1	0.05	0.18	0.42	0.24	0.59							
03/17/2022	Thu	60.9			60.8	0.0	16.4	44.4	0.0	0.03	0.03	0.00	72.9	115.2	7.1	1.79	1.79	1.79	0.060																			
03/18/2022	Fri	59.6			61.1	0.0	0.5	60.6	0.0	0.03	0.04	0.00	72.9	126.4	7.8	1.79	1.79	1.79	0.060																			
03/19/2022	Sat	62.2			60.6	0.0	12.4	48.2	0.0	0.03	0.04	0.00	73.9	128.2	7.7	1.79	1.79	1.79	0.080																			
03/20/2022	Sun	63.1			59.8	0.0	19.1	40.7	0.0	0.03	0.04	0.00	71.7	119.2	7.2	1.79	1.79	1.79	0.100																			
03/21/2022	Mon	54.2			52.8	0.0	11.9	40.9	0.0	0.03	0.17	0.00	73.2	123.2	7.9	1.79	1.79	1.79	0.080																			
03/22/2022	Tue	53.2			52.8	0.0	11.9	40.9	0.0	0.03	0.17	0.00	73.2	123.2	7.3	1.79	1.79	1.79	0.080	2.0																			
03/23/2022	Wed	64.1	324	370	50.4	0.0	17.0	33.4	0.0	0.03	0.04	0.00	72.8	118.5	7.9	1.79	1.79	1.79	0.110		99.5	0.9	99.7	0.3	0.3	0.0	0.1	1.0	0.9	1.4							
03/24/2022	Thu	54.4			23.7	0.0	11.7	12.0	0.0	0.03	0.04	0.00	71.3	115.6	7.3	1.79	1.79	1.79	0.120																			
03/25/2022	Fri	55.0			46.9	0.0	17.0	30.0	0.0	0.03	0.04	0.00	72.2	117.5	7.5	1.79	1.79	1.79	0.120																			
03/26/2022	Sat	59.7			59.4	0.0	4.1	55.3	0.0	0.03	0.04	0.00	73.8	116.7	7.6	1.79	1.79	1.79	0.100																			
03/27/2022	Sun	55.7			63.1	0.0	12.3	50.8	0.0	0.03	0.04	0.00	74.5	118.4	7.2	1.79	1.79	1.79	0.170																			
03/28/2022	Mon	57.3			80.1	0.0	16.3	63.8	0.0	0.03	0.04	0.00	72.5	112.8	7.7	1.79	1.79	1.79	0.110																			
03/29/2022	Tue	56.8	287	444	51.6	0.0	0.4	51.3	0.0	0.03	0.10	0.00	66.7	106.1	7.7	1.79	1.79	1.79	0.110	2.0																			
03/30/2022	Wed	55.2			46.9	0.0	0.4	46.5	0.0	0.03	0.04	0.00	69.5	116.5	7.7	1.79	1.79	1.79	0.100		99.5	0.9	99.7	0.1	0.1	0.05	0.09	0.52	0.43	0.64							
03/31/2022	Thu	53.0			48.7	0.0	0.3	48.4	0.0	0.03	0.04	0.00	67.6	114.9	7.1	1.79	1.79	1.79	0.180																			
TOTAL	1,739			1,649	0.0	363	1,286	0.0																													
MAX	64.1	324	444	80.1	0.0	40.5	63.8	0.0	0.07	0.22	0.01	74.9	128.2	8.0	1.79	1.79	1.79	0.180	4.0	99.6	1.0	99.7	1.5	1.5	0.05	0.33	1.19	1.08	2.01	4.9	0.3	968	269	200	0.39	0.19
AVG	56.1	298	397	53.2	0.0	11.7	41.5	0.0	0.03	0.07	0.00	73.1	113.2	7.6	1.79	1.79	1.79	0.113	2.4	99.4	0.9	99.7	0.5	0.4	0.05	0.16	0.73	0.57	1.19	4.9	0.3	968	269	200	0.39	0.19
MIN	48.9	263	348	23.7	0.0	0.3	9.6	0.0	0.03	0.03	0.00	66.7	105.9	7.0	1.79	1.79	1.79	0.005	1.9	98.9	0.9	99.6	0.1	0.1	0.05	0.09	0.42	0.18	0.59	4.9	0.3	968	269	200	0.39	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
04/01/2022	Fri	57.6			53.0	0.0	0.3	52.8	0.0	0.03	0.04	0.00	71.3	112.7	7.3	1.79	1.79	1.79	0.180																			
04/02/2022	Sat	59.5			52.0	0.0	0.3	51.7	0.0	0.03	0.04	0.00	72.7	120.4	7.5	1.79	1.79	1.79	0.130																			
04/03/2022	Sun	56.8			56.8	0.0	11.1	45.8	0.0	0.03	0.04	0.00	72.6	114.3	7.2	1.79	1.79	1.79	0.140																			
04/04/2022	Mon	50.8			48.0	0.0	27.4	20.6	0.0	0.03	0.22	0.01	72.6	115.8	6.7	1.79	1.79	1.79	0.140																			
04/05/2022	Tue	50.3	253	580	49.6	0.0	7.7	41.9	0.0	0.03	0.24	0.01	72.3	119.9	7.1	6.10	1.79	2.00	0.150	2.0																	
04/06/2022	Wed	63.4			51.8	0.0	0.3	51.4	0.0	0.03	0.04	0.00	72.2	118.0	7.0	1.79	1.79	1.79	0.190		99.7	0.9	99.6	0.2	0.1	0.05	0.16	1.70	1.54	1.88	4.9	0.3	1,012	278	205	0.16	0.19
04/07/2022	Thu	54.5			67.2	0.0	13.1	54.0	0.0	0.03	0.04	0.00	72.4	109.5	6.7	1.79	1.79	1.79	0.150																			
04/08/2022	Fri	58.6			50.9	0.0	0.4	50.5	0.0	0.04	0.18	0.00	72.9	113.4	6.6	1.79	1.79	1.79	0.110																			
04/09/2022	Sat	66.1			57.2	0.0	1.3	55.9	0.0	0.03	0.04	0.00	71.6	111.8	7.6	1.79	1.79	1.79	0.140																			
04/10/2022	Sun	58.7			68.4	0.0	14.8	53.6	0.0	0.03	0.04	0.00	71.7	106.2	7.0	1.79	1.79	1.79	0.120																			
04/11/2022	Mon	53.9			59.6	0.0	8.1	51.5	0.0	0.03	0.28	0.02	72.9	108.7	7.9	1.79	1.79	1.79	0.110																			
04/12/2022	Tue	53.0	276	853	42.3	0.0	42.1	0.1	0.0	0.03	0.29	0.02	70.0	106.2	7.6	1.79	1.79	1.79	0.170	3.0																	
04/13/2022	Wed	57.5			46.7	0.0	27.6	19.1	0.0	0.03	0.04	0.00	72.0	108.2	7.6	1.79	1.79	1.79	0.280		99.6	1.0	99.6	0.1	0.0	0.07	0.13	1.58	1.45	1.70							
04/14/2022	Thu	51.3			51.6	0.0	12.1	39.6	0.0	0.03	0.04	0.00	73.7	115.2	7.9	1.79	1.79	1.79	0.100																			
04/15/2022	Fri	57.6			51.7	0.0	36.1	15.6	0.0	0.03	0.04	0.00	73.4	116.4	8.2	1.79	1.79	1.79	0.090																			
04/16/2022	Sat	62.9			60.5	0.0	0.3	60.2	0.0	0.03	0.04	0.00	73.2	115.1	7.6	1.79	1.79	1.79	0.100																			
04/17/2022	Sun	58.8			65.1	0.0	11.4	53.8	0.0	0.03	0.04	0.00	68.7	109.7	7.0	1.79	1.79	1.79	0.100																			
04/18/2022	Mon	56.2			47.7	0.0	19.3	28.4	0.0	0.03	0.24	0.01	69.1	107.3	7.6	1.79	1.79	1.79	0.120																			
04/19/2022	Tue	53.0	301	420	54.5	0.0	12.0	42.5	0.0	0.03	0.16	0.00	71.5	100.5	7.3	1.79	1.79	1.79	0.110	2.0	99.5	0.9	99.7	0.1	0.0	0.05	0.10	2.48	2.38	2.58							
04/20/2022	Wed	64.9			55.4	0.0	25.5	29.9	0.0	0.03	0.04	0.00	71.5	113.8	6.9	1.79	1.79	1.79	0.100																			
04/21/2022	Thu	58.6			55.8	0.0	10.9	44.9	0.0	0.03	0.04	0.00	71.8	130.5	7.9	1.79	1.79	1.79	0.080																			
04/22/2022	Fri	59.3			61.5	0.0	23.7	37.8	0.0	0.03	0.04	0.00	70.0	119.5	7.1	1.79	1.79	1.79	0.160																			
04/23/2022	Sat	67.9			61.4	0.0	0.4	61.1	0.0	0.03	0.04	0.00	70.7	111.0	7.5	1.79	1.79	1.79	0.120																			
04/24/2022	Sun	60.7			69.0	0.0	10.5	58.5	0.0	0.03	0.04	0.00	70.9	107.5	7.8	1.79	1.79	1.79	0.140																			
04/25/2022	Mon	58.2			49.6	0.0	34.8	14.8	0.0	0.03	0.27	0.01	70.4	110.4	8.1	1.79	1.79	1.79	0.120																			
04/26/2022	Tue	47.6	265	565	54.1	0.0	10.5	43.7	0.0	0.04	0.31	0.02	68.9	109.2	8.0	1.79	1.79	1.79	0.060	2.0	99.6	0.9	99.7	0.1	0.1	0.05	0.12	1.98	1.86	2.10							
04/27/2022	Wed	58.9			52.0	0.0	32.1	19.9	0.0	0.03	0.04	0.00	70.0	115.2	8.3	1.79	1.79	1.79	0.090																			
04/28/2022	Thu	51.5			53.4	0.0	11.6	41.8	0.0	0.03	0.04	0.00	69.6	122.2	7.3	1.79	1.79	1.79	0.130																			
04/29/2022	Fri	56.2			51.5	0.0	21.6	30.0	0.0	0.03	0.07	0.00	69.5	117.6	7.8	1.79	1.79	1.79	0.130																			
04/30/2022	Sat	64.2			56.9	0.0	4.2	52.7	0.0	0.03	0.04	0.00	70.1	116.1	7.4	1.79	1.79	1.79	0.100																			
TOTAL	1,728			1,655	0.0	431	1,224	0.0																													
MAX	67.9	301	853	69.0	0.0	42.1	61.1	0.0	0.04	0.31	0.02	73.7	130.5	8.3	6.10	1.79	2.00	0.280	3.0	99.7	1.0	99.7	0.2	0.1	0.07	0.16	2.48	2.38	2.58	4.9	0.3	1,012	278	205	0.16	0.19
AVG	57.6	274	605	55.2	0.0	14.4	40.8	0.0	0.03	0.10	0.00	71.3	113.4	7.5	1.93	1.79	1.80	0.129	2.3	99.6	0.9	99.7	0.1	0.1	0.05	0.13	1.94	1.81	2.06	4.9	0.3	1,012	278	205	0.16	0.19
MIN	47.6	253	420	42.3	0.0	0.3	0.1	0.0	0.03	0.04	0.00	68.7	100.5	6.6	1.79	1.79	1.79	0.060	2.0	99.5	0.9	99.6	0.1	0.0	0.05	0.10	1.58	1.45	1.70	4.9	0.3	1,012	278	205	0.16	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
05/01/2022	Sun	58.6			60.1	0.0	10.9	49.1	0.0	0.03	0.04	0.00	67.4	107.1	7.0	1.79	1.79	1.79	0.110																			
05/02/2022	Mon	51.9			53.7	0.0	23.3	30.3	0.0	0.03	0.29	0.03	67.8	107.1	7.6	1.79	1.79	1.79	0.130																			
05/03/2022	Tue	53.6	181	338	57.3	0.0	11.1	46.1	0.0	0.03	0.28	0.01	68.5	105.9	7.7	1.79	1.79	1.79	0.090	1.9	99.4	1.0	99.4	0.2	0.1	0.05	0.09	2.57	2.48	2.73							
05/04/2022	Wed	61.9			46.2	0.0	23.9	22.4	0.0	0.03	0.32	0.03	68.9	102.6	7.8	1.79	1.79	1.79	0.100																			
05/05/2022	Thu	53.4			68.6	0.0	14.7	53.9	0.0	0.03	0.04	0.00	70.0	108.0	7.5	1.79	1.79	1.79	0.160																			
05/06/2022	Fri	60.6			40.7	0.0	21.5	19.1	0.0	0.03	0.04	0.00	69.6	113.8	7.3	1.79	1.79	1.79	0.160																			
05/07/2022	Sat	64.9			59.0	0.0	0.3	58.7	0.0	0.03	0.04	0.00	71.1	113.6	7.4	1.79	1.79	1.79	0.120																			
05/08/2022	Sun	67.8			75.3	0.0	11.0	64.3	0.0	0.03	0.04	0.00	71.2	106.6	7.0	1.79	1.79	1.79	0.190																			
05/09/2022	Mon	50.3			50.4	0.0	26.8	23.6	0.0	0.03	0.23	0.01	69.4	110.1	7.3	1.79	1.79	1.79	0.170																			
05/10/2022	Tue	50.4	130	375	50.9	0.0	14.4	36.5	0.0	0.03	0.27	0.01	67.6	109.9	7.6	1.79	1.79	1.79	0.120	1.9	99.5	0.9	99.3	0.3	0.2	0.08	0.24	1.44	1.20	1.73	4.9	0.1	952	257	176	0.23	0.19
05/11/2022	Wed	63.3			49.2	0.0	32.0	17.2	0.0	0.03	0.13	0.00	68.4	108.6	7.5	1.79	1.79	1.79	0.140																			
05/12/2022	Thu	58.9			53.8	0.0	10.4	43.4	0.0	0.03	0.04	0.00	72.4	112.6	7.4	1.79	1.79	1.79	0.150																			
05/13/2022	Fri	61.1			60.7	0.0	30.2	30.5	0.0	0.03	0.04	0.00	72.9	109.0	7.7	1.79	1.79	1.79	0.170																			
05/14/2022	Sat	66.4			61.4	0.0	1.6	59.9	0.0	0.03	0.04	0.00	73.0	109.5	7.3	1.79	1.79	1.79	0.190																			
05/15/2022	Sun	59.9			59.6	0.0	14.8	44.7	0.0	0.03	0.04	0.00	72.6	110.1	7.4	1.79	1.79	1.79	0.230																			
05/16/2022	Mon	50.8			48.8	0.0	28.2	20.6	0.0	0.04	0.22	0.01	72.1	108.7	7.5	1.79	1.79	1.79	0.130																			
05/17/2022	Tue	49.4	262	369	53.0	0.0	10.4	42.6	0.0	0.04	0.15	0.00	71.1	107.6	7.6	1.79	1.79	1.79	0.110	1.9	99.5	0.9	99.7	0.1	0.0	0.05	0.12	1.10	0.98	1.20							
05/18/2022	Wed	50.3			49.8	0.0	16.6	33.2	0.0	0.03	0.04	0.00	69.1	115.6	7.6	1.79	1.79	1.79	0.100																			
05/19/2022	Thu	61.6			53.6	0.0	14.4	39.2	0.0	0.03	0.04	0.00	69.4	124.0	7.4	1.79	1.79	1.79	0.130																			
05/20/2022	Fri	57.3			55.9	0.0	9.4	46.5	0.0	0.03	0.04	0.00	69.9	112.6	7.8	1.79	1.79	1.79	0.070																			
05/21/2022	Sat	62.5			59.6	0.0	0.3	59.2	0.0	0.03	0.09	0.00	69.8	107.6	7.5	1.79	1.79	1.79	0.120																			
05/22/2022	Sun	61.6			69.6	0.0	11.3	58.3	0.0	0.03	0.04	0.00	70.1	111.1	7.0	1.79	1.79	1.79	0.120																			
05/23/2022	Mon	48.6			33.0	0.0	21.3	11.7	0.0	0.04	0.16	0.00	69.6	118.8	7.6	1.79	1.79	1.79	0.090																			
05/24/2022	Tue	51.9	236	458	55.1	0.0	11.1	44.0	0.0	0.03	0.26	0.01	68.9	112.7	7.5	1.79	1.79	1.79	0.100		99.6	0.9	99.6	0.8	0.8	0.05	0.09	0.11	0.02	0.92							
05/25/2022	Wed	52.2			48.9	0.0	18.1	30.8	0.0	0.03	0.04	0.00	68.1	111.5	7.5	1.79	1.79	1.79	0.049	1.9																			
05/26/2022	Thu	62.6			54.6	0.0	10.0	44.6	0.0	0.03	0.04	0.00	68.1	108.4	7.4	1.79	1.79	1.79	0.100																			
05/27/2022	Fri	55.8			62.9	0.0	22.7	40.2	0.0	0.03	0.04	0.00	69.1	107.9	7.8	1.79	1.79	1.79	0.120																			
05/28/2022	Sat	63.5			53.7	0.0	0.3	53.4	0.0	0.03	0.04	0.00	69.7	110.1	7.6	1.79	1.79	1.79	0.140																			
05/29/2022	Sun	63.4			60.0	0.0	12.4	47.6	0.0	0.03	0.05	0.00	70.0	110.4	7.5	1.79	1.79	1.79	0.150																			
05/30/2022	Mon	63.3			51.9	0.0	24.1	27.8	0.0	0.04	0.23	0.10	69.9	112.5	7.9	1.79	1.79	1.79	0.210																			
05/31/2022	Tue	56.2	279	464	61.7	0.0	9.5	52.2	0.0	0.04	0.27	0.01	70.2	112.2	7.4	1.79	1.79	1.79	0.090	2.0	99.6	0.9	99.7	0.1	0.0	0.08	0.42	0.94	0.52	1.07							
TOTAL		1,794			1,719	0.0	467	1,252	0.0																													
MAX		67.8	279	464	75.3	0.0	32.0	64.3	0.0	0.04	0.32	0.10	73.0	124.0	7.9	1.79	1.79	1.79	0.230	2.0	99.6	1.0	99.7	0.8	0.8	0.08	0.42	2.57	2.48	2.73	4.9	0.1	952	257	176	0.23	0.19
AVG		57.9	218	401	55.4	0.0	15.1	40.4	0.0	0.03	0.12	0.01	69.9	110.5	7.5	1.79	1.79	1.79	0.131	1.9	99.5	0.9	99.5	0.3	0.2	0.06	0.19	1.23	1.04	1.53	4.9	0.1	952	257	176	0.23	0.19
MIN		48.6	130	338	33.0	0.0	0.3	11.7	0.0	0.03	0.04	0.00	67.4	102.6	7.0	1.79	1.79	1.79	0.049	1.9	99.4	0.9	99.3	0.1	0.0	0.05	0.09	0.11	0.02	0.92	4.9	0.1	952	257	176	0.23	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending

###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
06/01/2022	Wed	60.9			62.3	0.0	30.0	32.3	0.0	0.03	0.04	0.00	70.1	115.0	7.9	1.79	1.79	1.79	0.160																			
06/02/2022	Thu	55.0			44.3	0.0	10.4	33.9	0.0	0.03	0.11	0.00	69.3	119.1	7.3	1.79	1.79	1.79	0.140																			
06/03/2022	Fri	55.6			51.3	0.0	29.9	21.4	0.0	0.03	0.04	0.00	69.6	115.4	7.6	1.79	1.79	1.79	0.140																			
06/04/2022	Sat	63.3			58.6	0.0	4.8	53.8	0.0	0.03	0.04	0.00	69.8	114.5	7.4	1.79	1.79	1.79	0.120																			
06/05/2022	Sun	60.0			99.3	0.0	15.7	83.6	0.0	0.03	0.11	0.00	69.4	108.3	7.5	1.79	1.79	1.79	0.190																			
06/06/2022	Mon	54.5			44.0	0.0	27.9	16.2	0.0	0.07	0.21	0.01	68.5	112.0	7.5	1.79	1.79	1.79	0.130																			
06/07/2022	Tue	52.6			49.0	0.0	11.3	37.7	0.0	0.04	0.22	0.01	68.4	114.5	7.5	1.79	1.79	1.79	0.120		99.4	0.9	99.5	0.2	0.1	0.05	0.09	1.10	1.01	1.29								
06/08/2022	Wed	54.3	199	345	50.0	0.0	23.8	26.2	0.0	0.03	0.04	0.00	68.5	116.6	7.6	1.79	1.79	1.79	0.140	1.9																	
06/09/2022	Thu	62.1			57.5	0.0	15.6	41.9	0.0	0.03	0.04	0.00	68.6	116.5	7.6	1.79	1.79	1.79	0.100																			
06/10/2022	Fri	57.3			51.4	0.0	22.6	28.8	0.0	0.03	0.04	0.00	69.2	121.4	7.1	1.79	1.79	1.79	0.190																			
06/11/2022	Sat	63.5			54.9	0.0	0.5	54.4	0.0	0.03	0.05	0.00	69.3	115.5	7.6	1.79	1.79	1.79	0.090																			
06/12/2022	Sun	61.5			63.5	0.0	11.0	52.5	0.0	0.03	0.13	0.00	69.4	113.2	7.1	1.79	1.79	1.79	0.140																			
06/13/2022	Mon	55.7			50.7	0.0	28.2	22.4	0.0	0.05	0.32	0.02	69.4	111.0	7.5	1.79	1.79	1.79	0.130																			
06/14/2022	Tue	53.4			57.1	0.0	15.1	42.0	0.0	0.03	0.26	0.01	68.8	115.4	7.6	1.79	1.79	1.79	0.100	2.0	99.6	0.9	99.6	0.1	0.1	0.05	0.09	0.73	0.64	0.88	4.9	0.3	928	253	191	0.20	0.36
06/15/2022	Wed	65.3	255	512	57.6	0.0	32.0	25.6	0.0	0.03	0.04	0.00	68.9	110.0	7.4	1.79	1.79	1.79	0.180																			
06/16/2022	Thu	62.4			58.0	0.0	11.4	46.6	0.0	0.03	0.04	0.00	69.7	119.0	7.3	1.79	1.79	1.79	0.140																			
06/17/2022	Fri	63.4			60.7	0.0	22.4	38.3	0.0	0.03	0.04	0.00	70.4	118.0	7.5	1.79	1.79	1.79	0.150																			
06/18/2022	Sat	64.0			64.1	0.0	1.4	62.7	0.0	0.03	0.04	0.00	70.0	111.0	7.7	1.79	1.79	1.79	0.260																			
06/19/2022	Sun	63.4			61.4	0.0	15.4	46.0	0.0	0.03	0.04	0.00	68.7	111.0	7.5	1.79	1.79	1.79	0.320																			
06/20/2022	Mon	61.4			57.0	0.0	31.7	25.3	0.0	0.03	0.20	0.00	68.7	113.4	7.7	1.79	1.79	1.79	0.110																			
06/21/2022	Tue	56.9	167	612	60.5	0.0	9.4	51.1	0.0	0.03	0.28	0.02	70.3	111.9	7.5	1.79	1.79	1.79	0.150	4.0	99.3	1.0	99.4	0.1	0.1	0.05	0.09	0.98	0.89	1.09							
06/22/2022	Wed	66.2			57.3	0.0	32.6	24.7	0.0	0.03	0.04	0.00	70.3	110.1	7.4	1.79	1.79	1.79	0.130																			
06/23/2022	Thu	59.3			57.1	0.0	12.1	45.0	0.0	0.03	0.16	0.00	70.5	114.1	7.2	1.79	1.79	1.79	0.190																			
06/24/2022	Fri	64.7			61.0	0.0	29.5	31.4	0.0	0.03	0.04	0.00	70.9	117.5	7.7	1.79	1.79	1.79	0.100																			
06/25/2022	Sat	67.8			64.7	0.0	0.6	64.1	0.0	0.03	0.04	0.00	70.9	112.8	8.2	1.79	1.79	1.79	0.090																			
06/26/2022	Sun	63.4			66.8	0.0	9.7	57.1	0.0	0.03	0.04	0.00	70.5	107.1	7.6	1.79	1.79	1.79	0.110																			
06/27/2022	Mon	54.9			49.5	0.0	31.2	18.2	0.0	0.03	0.27	0.01	70.1	112.0	7.5	1.79	1.79	1.79	0.170																			
06/28/2022	Tue	60.2	281	488	61.5	0.0	12.5	49.1	0.0	0.03	0.30	0.02	69.5	112.6	7.4	1.79	1.79	1.79	0.090	3.0	99.4	0.9	99.7	0.1	0.1	0.01	0.19	1.82	1.63	1.88							
06/29/2022	Wed	53.6			57.8	0.0	36.8	21.0	0.0	0.03	0.19	0.00	69.4	109.1	7.5	1.79	1.79	1.79	0.200																			
06/30/2022	Thu	61.1			54.2	0.0	11.1	43.1	0.0	0.03	0.04	0.00	68.9	109.5	7.7	1.79	1.79	1.79	0.200																			
TOTAL	1,797			1,743	0.0	546	1,197	0.0																													
MAX	67.8	281	612	99.3	0.0	36.8	83.6	0.0	0.07	0.32	0.02	70.9	121.4	8.2	1.79	1.79	1.79	0.320	4.0	99.6	1.0	99.7	0.2	0.1	0.05	0.19	1.82	1.63	1.88	4.9	0.3	928	253	191	0.20	0.36
AVG	59.9	226	489	58.1	0.0	18.2	39.9	0.0	0.03	0.12	0.00	69.5	113.6	7.5	1.79	1.79	1.79	0.149	2.7	99.4	0.9	99.6	0.1	0.1	0.04	0.12	1.16	1.04	1.28	4.9	0.3	928	253	191	0.20	0.36
MIN	52.6	167	345	44.0	0.0	0.5	16.2	0.0	0.03	0.04	0.00	68.4	107.1	7.1	1.79	1.79	1.79	0.090	1.9	99.3	0.9	99.4	0.1	0.1	0.01	0.09	0.73	0.64	0.88	4.9	0.3	928	253	191	0.20	0.36

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
07/01/2022	Fri	69.2			64.3	0.0	31.8	32.5	0.0	0.03	0.03	0.00	69.7	107.3	7.8	1.79	1.79	1.79	0.150																				
07/02/2022	Sat	71.2			63.7	0.0	0.4	63.3	0.0	0.03	0.04	0.00	69.7	106.4	7.6	1.79	1.79	1.79	0.100																				
07/03/2022	Sun	69.4			69.7	0.0	11.5	58.2	0.0	0.03	0.04	0.00	69.6	106.0	8.1	1.79	1.79	1.79	0.170																				
07/04/2022	Mon	60.3			57.9	0.0	36.5	21.5	0.0	0.03	0.26	0.01	68.9	106.9	7.5	1.79	1.79	1.79	0.160																				
07/05/2022	Tue	58.6	299	444	63.6	0.0	15.6	48.0	0.0	0.03	0.29	0.01	67.9	107.3	7.4	1.79	1.79	1.79	0.160	1.9	99.6	0.9	99.7	0.1	0.1	0.01	0.09	0.99	0.90	1.13								
07/06/2022	Wed	55.4			57.3	0.0	32.0	25.3	0.0	0.03	0.04	0.00	66.7	107.8	7.4	1.79	1.79	1.79	0.150																				
07/07/2022	Thu	56.3			55.3	0.0	18.4	36.9	0.0	0.03	0.04	0.00	66.5	108.8	7.4	1.79	1.79	1.79	0.140																				
07/08/2022	Fri	64.0			52.4	0.0	32.5	19.9	0.0	0.03	0.04	0.00	68.4	108.1	7.4	1.79	1.79	1.79	0.150																				
07/09/2022	Sat	64.8			58.6	0.0	17.3	41.3	0.0	0.03	0.04	0.00	69.2	106.9	7.5	1.79	1.79	1.79	0.090																				
07/10/2022	Sun	64.4			69.7	0.0	17.6	52.0	0.0	0.03	0.04	0.00	68.0	105.2	7.4	1.79	1.79	1.79	0.090																				
07/11/2022	Mon	56.1			52.2	0.0	31.0	21.2	0.0	0.04	0.28	0.02	68.9	115.8	7.4	1.79	1.79	1.79	0.150																				
07/12/2022	Tue	51.6	265	402	57.1	0.0	17.1	40.0	0.0	0.03	0.26	0.01	69.0	123.9	7.4	1.79	1.79	1.79	0.090	1.9	99.5	0.9	99.7	0.1	0.1	0.01	0.19	1.20	1.01	1.33	4.9	0.5	1,000	196	306	0.25	0.20
07/13/2022	Wed	66.0			54.2	0.0	43.8	10.4	0.0	0.03	0.04	0.00	68.9	116.1	7.4	1.79	1.79	1.79	0.160																				
07/14/2022	Thu	59.7			64.6	0.0	23.6	41.1	0.0	0.03	0.04	0.00	69.6	110.7	7.6	1.79	1.79	1.79	0.140																				
07/15/2022	Fri	59.5			51.0	0.0	42.8	8.2	0.0	0.03	0.04	0.00	70.4	117.0	7.5	1.79	1.79	1.79	0.100																				
07/16/2022	Sat	68.7			61.8	0.0	11.7	50.1	0.0	0.03	0.04	0.00	70.9	122.9	7.6	2.00	1.79	1.79	0.100																				
07/17/2022	Sun	69.0			69.0	0.0	17.6	51.4	0.0	0.03	0.04	0.00	71.5	115.5	7.5	1.79	1.79	1.79	0.180																				
07/18/2022	Mon	60.0			55.9	0.0	26.4	29.4	0.0	0.03	0.11	0.00	71.5	109.5	7.5	1.79	1.79	1.79	0.140																				
07/19/2022	Tue	59.4	294	516	61.1	0.0	17.6	43.5	0.0	0.03	0.28	0.01	70.4	115.9	7.5	1.79	1.79	1.79	0.130	2.0	99.6	0.9	99.7	0.1	0.1	0.05	0.19	0.94	0.75	1.07								
07/20/2022	Wed	65.2			60.6	0.0	37.9	22.7	0.0	0.03	0.04	0.00	69.9	115.6	7.4	1.79	1.79	1.79	0.130																				
07/21/2022	Thu	58.0			60.6	0.0	13.8	46.8	0.0	0.03	0.04	0.00	69.7	114.2	7.2	1.79	1.79	1.79	0.150																				
07/22/2022	Fri	60.9			54.6	0.0	16.8	37.8	0.0	0.03	0.04	0.00	69.7	107.5	7.3	1.79	1.79	1.79	0.060																				
07/23/2022	Sat	64.9			63.6	0.0	6.4	57.3	0.0	0.03	0.03	0.00	68.8	107.5	7.4	1.79	1.79	1.79	0.070																				
07/24/2022	Sun	66.8			63.3	0.0	19.1	44.2	0.0	0.03	0.03	0.00	67.9	103.6	7.4	1.79	1.79	1.79	0.110																				
07/25/2022	Mon	58.0			54.8	0.0	22.9	31.9	0.0	0.06	0.26	0.01	67.0	105.5	7.2	1.79	1.79	1.79	0.170																				
07/26/2022	Tue	54.7	330	542	52.6	0.0	12.4	40.2	0.0	0.03	0.25	0.01	66.2	107.5	7.2	1.79	1.79	1.79	0.160	1.9	99.6	0.9	99.7	0.3	0.2	0.03	0.19	1.02	0.83	1.29								
07/27/2022	Wed	63.6			60.1	0.0	30.6	29.5	0.0	0.03	0.04	0.00	66.1	112.0	7.3	1.79	1.79	1.79	0.170																				
07/28/2022	Thu	57.9			63.2	0.0	15.2	48.0	0.0	0.03	0.04	0.00	66.2	116.0	7.5	1.79	1.79	1.79	0.140																				
07/29/2022	Fri	58.2			50.6	0.0	20.2	30.4	0.0	0.03	0.04	0.00	66.1	111.1	7.5	1.79	1.79	1.79	0.140																				
07/30/2022	Sat	64.9			64.2	0.0	4.9	59.3	0.0	0.03	0.04	0.00	66.2	106.6	7.2	1.79	1.79	1.79	0.060																				
07/31/2022	Sun	63.8			60.4	0.0	13.4	47.0	0.0	0.03	0.04	0.00	68.0	110.8	7.1	1.79	1.79	1.79	0.060																				
TOTAL	1,921			1,848	0.0	659	1,189	0																														
MAX	71.2	330	542	69.7	0.0	43.8	63.3	0.0	0.06	0.29	0.02	71.5	123.9	8.1	2.00	1.79	1.79	0.180	2.0	99.6	0.9	99.7	0.3	0.2	0.05	0.19	1.20	1.01	1.33	4.9	0.5	1,000	196	306	0.25	0.20
AVG	62.0	297	476	59.6	0.0	21.2	38.4	0.0	0.03	0.09	0.00	68.6	110.8	7.4	1.80	1.79	1.79	0.128	1.9	99.6	0.9	99.7	0.2	0.1	0.02	0.17	1.04	0.87	1.20	4.9	0.5	1,000	196	306	0.25	0.20
MIN	51.6	265	402	50.6	0.0	0.4	8.2	0.0	0.03	0.03	0.00	66.1	103.6	7.1	1.79	1.79	1.79	0.060	1.9	99.5	0.9	99.7	0.1	0.1	0.01	0.09	0.94	0.75	1.07	4.9	0.5	1,000	196	306	0.25	0.20

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending

###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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															
08/01/2022	Mon	55.2			58.5	0.0	23.7	34.9	0.0	0.03	0.22	0.01	67.7	115.8	7.5	1.79	1.79	1.79	0.240																		
08/02/2022	Tue	51.9	285	663	51.5	0.0	13.7	37.8	0.0	0.03	0.27	0.01	67.3	112.2	7.4	1.79	1.79	1.79	0.150	6.0	99.1	0.9	99.7	0.3	0.2	0.01	0.09	0.54	0.45	0.79							
08/03/2022	Wed	58.0			58.5	0.0	30.9	27.6	0.0	0.03	0.04	0.00	67.2	108.5	7.4	1.79	1.79	1.79	0.200																		
08/04/2022	Thu	52.2			39.8	0.0	2.1	37.8	0.0	0.03	0.04	0.00	67.9	113.1	7.5	1.79	1.79	1.79	0.140																		
08/05/2022	Fri	57.5			45.5	0.0	0.6	45.0	0.0	0.03	0.31	0.02	68.2	113.3	7.8	1.79	1.79	1.79	0.049																		
08/06/2022	Sat	63.5			58.5	0.0	0.5	58.1	0.0	0.03	0.04	0.00	68.0	106.8	7.6	1.79	1.79	1.79	0.150																		
08/07/2022	Sun	63.3			58.7	0.0	1.5	57.3	0.0	0.03	0.04	0.00	67.4	106.5	7.8	1.79	1.79	1.79	0.050																		
08/08/2022	Mon	52.4			54.8	0.0	5.3	49.5	0.0	0.09	0.22	0.01	67.0	108.6	7.5	1.79	1.79	1.79	0.090																		
08/09/2022	Tue	54.7	331	688	50.4	0.0	0.5	50.0	0.0	0.01	0.24	0.01	66.7	109.2	7.5	1.79	1.79	1.79	0.110	5.0	99.3	0.9	99.7	0.3	0.3	0.01	0.19	0.62	0.43	0.91	4.9	0.0	776	198	209	0.29	0.20
08/10/2022	Wed	67.1			63.1	0.0	0.4	62.7	0.0	0.01	0.02	0.00	66.9	104.7	7.5	1.79	1.79	1.79	0.180																		
08/11/2022	Thu	61.6			56.7	0.0	1.2	55.5	0.0	0.01	0.02	0.00	68.4	113.2	7.3	1.79	1.79	1.79	0.090																		
08/12/2022	Fri	55.9			50.8	0.0	1.8	49.0	0.0	0.01	0.02	0.00	68.8	111.6	7.8	1.79	1.79	1.79	0.080																		
08/13/2022	Sat	67.7			63.8	0.0	5.6	58.2	0.0	0.01	0.02	0.00	68.6	105.2	7.5	1.79	1.79	1.79	0.140																		
08/14/2022	Sun	60.6			60.8	0.0	0.4	60.5	0.0	0.01	0.02	0.00	68.3	107.3	7.6	1.79	1.79	1.79	0.170																		
08/15/2022	Mon	56.8			52.7	0.0	0.6	52.1	0.0	0.01	0.21	0.01	67.8	106.6	7.6	1.79	1.79	1.79	0.140																		
08/16/2022	Tue	53.6			52.4	0.0	0.6	51.7	0.0	0.01	0.23	0.01	67.1	106.1	7.5	1.79	1.79	1.79	0.120			0.9	99.7	0.3	0.2	0.04	0.19	0.64	0.45	0.90							
08/17/2022	Wed	51.3			49.8	0.0	1.5	48.3	0.0	0.01	0.02	0.00	66.4	107.9	7.5	1.79	1.79	1.79	0.100																		
08/18/2022	Thu	54.6	274	530	45.5	0.0	1.2	44.4	0.0	0.01	0.02	0.00	67.7	111.1	7.8	1.79	1.79	1.79	0.040	2.0	99.6															
08/19/2022	Fri	61.1			66.9	0.0	12.4	54.5	0.0	0.01	0.02	0.00	68.4	110.4	7.6	1.79	1.79	1.79	0.160																		
08/20/2022	Sat	61.7			50.8	0.0	3.6	47.2	0.0	0.01	0.02	0.00	68.5	109.5	7.7	1.79	1.79	1.79	0.210																		
08/21/2022	Sun	58.4			59.8	0.0	12.7	47.2	0.0	0.01	0.02	0.00	68.5	88.5	7.6	1.79	1.79	1.79	0.100																		
08/22/2022	Mon	52.8			45.7	0.0	16.5	29.2	0.0	0.01	0.15	0.00	68.0	99.4	7.7	1.79	1.79	1.79	0.150																		
08/23/2022	Tue	53.1	272	564	55.2	0.0	13.1	42.1	0.0	0.01	0.21	0.01	67.5	112.5	7.0	1.79	1.79	1.79	0.170	2.0	99.6	0.9	99.7	0.4	0.4	0.01	0.09	0.76	0.67	1.12							
08/24/2022	Wed	54.6			46.6	0.0	12.9	33.6	0.0	0.01	0.02	0.00	66.8	115.3	7.5	1.79	1.79	1.79	0.160																		
08/25/2022	Thu	56.2			58.8	0.0	11.3	47.5	0.0	0.01	0.02	0.00	66.6	115.4	7.5	1.79	1.79	1.79	0.170																		
08/26/2022	Fri	66.3			63.1	0.0	33.1	30.1	0.0	0.01	0.32	0.01	66.6	109.3	7.8	1.79	1.79	1.79	0.170																		
08/27/2022	Sat	63.0			54.3	0.0	4.3	50.0	0.0	0.01	0.02	0.00	67.0	110.4	7.4	1.79	1.79	1.79	0.120																		
08/28/2022	Sun	60.7			62.9	0.0	13.8	49.1	0.0	0.01	0.02	0.00	67.1	109.8	7.9	1.79	1.79	1.79	0.180																		
08/29/2022	Mon	50.6			55.4	0.0	22.2	33.2	0.0	0.01	0.09	0.00	66.8	113.5	7.5	1.79	1.79	1.79	0.080																		
08/30/2022	Tue	49.4	236	583	52.4	0.0	13.8	38.6	0.0	0.01	0.20	0.00	66.4	113.7	7.5	1.79	1.79	1.79	0.130	5.0	99.1	3.0	98.7	1.0	1.0	0.04	0.24	1.16	0.92	2.15							
08/31/2022	Wed	49.9			39.5	0.0	25.1	14.4	0.0	0.01	0.02	0.00	65.7	111.6	7.5	1.79	1.79	1.79	0.120																		
TOTAL	1,775			1,683	0	286	1,397	0																												
MAX	67.7	331	688	66.9	0.0	33.1	62.7	0.0	0.09	0.32	0.02	68.8	115.8	7.9	1.79	1.79	1.79	0.240	6.0	99.6	3.0	99.7	1.0	1.0	0.04	0.24	1.16	0.92	2.15	4.9	0.0	776	198	209	0.29	0.20
AVG	57.3	280	606	54.3	0.0	9.2	45.1	0.0	0.02	0.10	0.00	67.5	109.3	7.6	1.79	1.79	1.79	0.134	4.0	99.4	1.3	99.5	0.4	0.4	0.02	0.16	0.74	0.58	1.17	4.9	0.0	776	198	209	0.29	0.20
MIN	49.4	236	530	39.5	0.0	0.4	14.4	0.0	0.01	0.02	0.00	65.7	88.5	7.0	1.79	1.8	1.79	0.040	2.0	99.1	0.9	98.7	0.3	0.2	0.01	0.09	0.54	0.43	0.79	4.9	0.0	776	198	209	0.29	0.20

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending

###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
09/01/2022	Thu	70.8			67.2	0.0	14.3	52.8	0.0	0.01	0.02	0.00	66.0	107.4	7.6	1.79	1.79	1.79	0.180																			
09/02/2022	Fri	68.6			63.5	0.0	40.1	23.4	0.0	0.01	0.02	0.00	67.5	105.6	7.6	1.79	1.79	1.79	0.150																			
09/03/2022	Sat	65.1			61.7	0.0	9.1	52.6	0.0	0.01	0.02	0.00	67.8	107.7	7.4	1.79	1.79	1.79	0.170																			
09/04/2022	Sun	65.6			62.2	0.0	12.9	49.3	0.0	0.01	0.02	0.00	68.1	107.3	7.5	1.79	1.79	1.79	0.090																			
09/05/2022	Mon	66.1			61.7	0.0	31.9	29.8	0.0	0.01	0.17	0.00	68.4	109.7	7.4	1.79	1.79	1.79	0.090																			
09/06/2022	Tue	56.1	316	485	65.5	0.0	12.9	52.6	0.0	0.01	0.22	0.01	68.7	116.3	7.5	1.79	1.79	1.79	0.150	4.0	99.2	0.9	99.7	0.2	0.2	0.05	0.09	0.74	0.65	0.96							
09/07/2022	Wed	59.1			50.5	0.0	32.2	18.3	0.0	0.01	0.02	0.00	68.2	110.9	7.5	1.79	1.79	1.79	0.100																			
09/08/2022	Thu	80.0			69.1	0.0	0.6	68.4	0.0	0.01	0.02	0.00	69.0	108.4	6.7	1.79	1.79	1.79	0.150																			
09/09/2022	Fri	78.9			77.4	0.0	0.3	77.0	0.0	0.01	0.02	0.00	71.8	114.3	6.8	1.79	1.79	1.79	0.190																			
09/10/2022	Sat	66.2			72.2	0.0	0.3	71.8	0.0	0.01	0.02	0.00	67.2	108.5	7.6	1.79	1.79	1.79	0.080																			
09/11/2022	Sun	64.9			63.4	0.0	0.4	63.0	0.0	0.01	0.02	0.00	66.8	105.6	7.7	1.79	1.79	1.79	0.130																			
09/12/2022	Mon	64.8			43.9	0.0	0.9	43.0	0.0	0.01	0.15	0.00	67.6	106.1	6.7	1.79	1.79	1.79	0.100																			
09/13/2022	Tue	59.2	216	429	44.7	0.0	12.9	31.8	0.0	0.02	0.31	0.03	66.4	106.3	7.5	1.79	1.79	1.79	0.200	3.0	99.3	0.9	99.6	0.3	0.3	0.01	0.09	1.12	1.03	1.38							
09/14/2022	Wed	70.9			49.6	0.0	20.7	28.9	0.0	0.01	0.02	0.00	68.5	105.9	7.6	1.79	1.79	1.79	0.130																			
09/15/2022	Thu	62.0			59.2	0.0	13.7	45.5	0.0	0.01	0.02	0.00	70.0	105.5	7.5	1.79	1.79	1.79	0.230																			
09/16/2022	Fri	64.6			49.9	0.0	33.4	16.4	0.0	0.01	0.02	0.00	70.5	105.5	7.4	1.79	1.79	1.79	0.200																			
09/17/2022	Sat	67.7			46.5	0.0	3.7	42.8	0.0	0.01	0.02	0.00	70.5	104.6	7.5	1.79	1.79	1.79	0.110																			
09/18/2022	Sun	63.2			58.4	0.0	13.2	45.3	0.0	0.01	0.02	0.00	70.7	106.2	7.2	1.79	1.79	1.79	0.120																			
09/19/2022	Mon	57.5			44.1	0.0	21.1	23.0	0.0	0.01	0.02	0.00	70.7	119.0	7.4	1.79	1.79	1.79	0.100																			
09/20/2022	Tue	62.0	264	371	51.8	0.0	13.3	38.6	0.0	0.01	0.07	0.00	69.9	122.4	7.2	1.79	1.79	1.79	0.070	3.0	99.2	0.9	99.7	0.2	0.2	0.05	0.09	1.08	0.99	1.28							
09/21/2022	Wed	67.7			47.0	0.0	21.1	25.9	0.0	0.01	0.02	0.00	70.0	117.5	7.8	1.79	1.79	1.79	0.110																4.9	1.8	812	189	176	0.30	0.19
09/22/2022	Thu	60.8			59.4	0.0	13.6	45.8	0.0	0.01	0.02	0.00	69.4	112.9	7.6	1.79	1.79	1.79	0.080																			
09/23/2022	Fri	62.3			53.6	0.0	33.7	20.0	0.0	0.01	0.02	0.00	69.0	108.0	7.5	1.79	1.79	1.79	0.100																			
09/24/2022	Sat	66.0			54.9	0.0	3.7	51.2	0.0	0.01	0.02	0.00	68.9	105.8	7.5	1.79	1.79	1.79	0.049																			
09/25/2022	Sun	65.1			67.5	0.0	12.9	54.6	0.0	0.01	0.02	0.00	68.9	104.6	7.0	1.79	1.79	1.79	0.100																			
09/26/2022	Mon	57.1			54.1	0.0	21.5	32.6	0.0	0.01	0.09	0.00	68.6	136.7	7.7	1.79	1.79	1.79	0.060																			
09/27/2022	Tue	57.3	302	138	61.0	0.0	13.6	47.4	0.0	0.01	0.02	0.00	68.4	124.1	7.4	1.79	1.79	1.79	0.060	5.0	96.4	1.0	99.7	1.1	1.1	0.05	0.09	1.93	1.84	3.08							
09/28/2022	Wed	60.7			51.5	0.0	20.6	30.9	0.0	0.01	0.02	0.00	68.7	109.6	7.6	1.79	1.79	1.79	0.130																			
09/29/2022	Thu	53.1			63.1	0.0	12.7	50.4	0.0	0.01	0.02	0.00	68.9	109.2	7.5	1.79	1.79	1.79	0.070																			
09/30/2022	Fri	53.9			47.7	0.0	33.1	14.6	0.0	0.01	0.07	0.00	69.2	108.8	7.6	1.79	1.79	1.79	0.080																			
TOTAL	1,917			1,722	0	475	1,248	0																													
MAX	80.0	316	485	77.4	0.0	40.1	77.0	0.0	0.02	0.31	0.03	71.8	136.7	7.8	1.79	1.79	1.79	0.230	5.0	99.3	1.0	99.7	1.1	1.1	0.05	0.09	1.93	1.84	3.08	4.9	1.8	812	189	176	0.30	0.19
AVG	63.9	275	356	57.4	0.0	15.8	41.6	0.0	0.01	0.05	0.00	68.8	110.7	7.4	1.79	1.79	1.79	0.119	3.8	98.5	0.9	99.7	0.5	0.4	0.04	0.09	1.22	1.13	1.67	4.9	1.8	812	189	176	0.30	0.19
MIN	53.1	216	138	43.9	0.0	0.3	14.6	0.0	0.01	0.02	0.00	66.0	104.6	6.7	1.79	1.79	1.79	0.049	3.0	96.4	0.9	99.6	0.2	0.2	0.01	0.09	0.74	0.65	0.96	4.9	1.8	812	189	176	0.30	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending

###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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																
10/01/2022	Sat	61.0			45.8	0.0	3.5	42.3	0.0	0.01	0.02	0.00	68.8	116.5	7.5	1.79	1.79	1.79	0.040																				
10/02/2022	Sun	56.1			57.5	0.0	13.2	44.3	0.0	0.01	0.02	0.00	68.9	114.5	7.3	1.79	1.79	1.79	0.080																				
10/03/2022	Mon	54.1			51.3	0.0	12.3	39.0	0.0	0.01	0.02	0.00	68.5	114.6	8.0	1.79	1.79	1.79	0.110																				
10/04/2022	Tue	57.1	277	371	58.3	0.0	13.4	44.9	0.0	0.01	0.02	0.00	68.3	112.9	7.5	1.79	1.79	1.79	0.180	3.0	99.2	0.9	99.7	0.8	0.8	0.05	0.09	2.08	1.99	2.90								
10/05/2022	Wed	61.7			50.6	0.0	11.6	38.9	0.0	0.01	0.02	0.00	68.6	109.5	7.2	1.79	1.79	1.79	0.170																				
10/06/2022	Thu	54.1			61.7	0.0	13.1	48.6	0.0	0.01	0.02	0.00	68.5	108.7	7.6	1.79	1.79	1.79	0.150																				
10/07/2022	Fri	54.7			46.1	0.0	22.2	23.9	0.0	0.01	0.02	0.00	68.0	107.3	7.8	1.79	1.79	1.79	0.070																				
10/08/2022	Sat	58.3			52.8	0.0	0.4	52.4	0.0	0.01	0.02	0.00	67.7	105.4	7.6	1.79	1.79	1.79	0.080																				
10/09/2022	Sun	56.7			64.2	0.0	13.0	51.2	0.0	0.01	0.02	0.00	67.8	106.3	7.1	1.79	1.79	1.79	0.080																				
10/10/2022	Mon	54.3			50.5	0.0	11.5	39.0	0.0	0.01	0.12	0.00	67.8	106.9	7.3	1.79	1.79	1.79	0.080																				
10/11/2022	Tue	51.4	307	263	61.5	0.0	12.9	48.7	0.0	0.01	0.05	0.00	68.3	111.7	7.7	1.79	1.79	1.79	0.110	2.0	99.2	0.9	99.7	0.6	0.3	0.25	0.15	1.85	1.70	2.43								
10/12/2022	Wed	55.7			40.9	0.0	0.4	40.5	0.0	0.01	0.02	0.00	67.8	112.9	7.6	1.79	1.79	1.79	0.050																				
10/13/2022	Thu	52.8			59.8	0.0	14.1	45.7	0.0	0.01	0.02	0.00	67.6	112.8	7.3	1.79	1.79	1.79	0.120																				
10/14/2022	Fri	57.3			48.2	0.0	23.1	25.1	0.0	0.10	0.15	0.00	67.1	111.4	7.5	1.79	1.79	1.79	0.180																				
10/15/2022	Sat	51.4			52.8	0.0	0.3	52.5	0.0	0.01	0.02	0.00	67.4	109.6	7.4	1.79	1.79	1.79	0.049																				
10/16/2022	Sun	53.0			51.0	0.0	13.1	37.9	0.0	0.01	0.02	0.00	66.8	109.8	7.4	1.79	1.79	1.79	0.049																				
10/17/2022	Mon	48.6			50.4	0.0	11.6	38.9	0.0	0.01	0.14	0.00	67.0	110.7	7.5	1.79	1.79	1.79	0.049																				
10/18/2022	Tue	48.4	268	362	52.2	0.0	13.6	38.6	0.0	0.01	0.12	0.00	66.5	111.8	7.4	1.79	1.79	1.79	0.120	2.0	99.4	0.9	99.7	0.1	0.0	0.05	0.10	0.43	0.33	0.53	4.9	0.1	912	270	214	0.28	0.19
10/19/2022	Wed	57.0			44.3	0.0	11.7	32.6	0.0	0.01	0.02	0.00	66.2	111.4	7.4	1.79	1.79	1.79	0.090																				
10/20/2022	Thu	51.3			55.1	0.0	14.7	40.4	0.0	0.01	0.02	0.00	66.2	113.0	7.5	1.79	1.79	1.79	0.040																				
10/21/2022	Fri	56.2			46.9	0.0	18.5	28.4	0.0	0.01	0.15	0.00	66.6	114.9	7.7	1.79	1.79	1.79	0.070																				
10/22/2022	Sat	55.0			50.0	0.0	0.3	49.7	0.0	0.01	0.02	0.00	67.6	112.7	7.7	1.79	1.79	1.79	0.049																				
10/23/2022	Sun	54.4			63.4	0.0	13.1	50.3	0.0	0.01	0.02	0.00	68.3	114.5	7.6	1.79	1.79	1.79	0.049																				
10/24/2022	Mon	47.7			47.1	0.0	12.0	35.1	0.0	0.01	0.02	0.00	68.5	118.4	7.3	1.79	1.79	1.79	0.049																				
10/25/2022	Tue	46.4	297	450	47.3	0.0	13.3	34.0	0.0	0.01	0.02	0.00	68.4	121.9	7.1	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.7	0.3	0.2	0.05	0.11	0.38	0.27	0.66								
10/26/2022	Wed	58.6			47.0	0.0	17.4	29.6	0.0	0.01	0.02	0.00	68.7	118.7	7.1	1.79	1.79	1.79	0.090																				
10/27/2022	Thu	48.9			52.2	0.0	13.8	38.5	0.0	0.01	0.22	0.01	69.4	118.2	7.5	1.79	1.79	1.79	0.050																				
10/28/2022	Fri	53.0			43.9	0.0	7.3	36.6	0.0	0.13	0.02	0.00	69.5	112.8	7.5	1.79	1.79	1.79	0.770																				
10/29/2022	Sat	56.5			59.5	0.0	0.4	59.1	0.0	0.01	0.02	0.00	69.8	119.0	7.5	1.79	1.79	1.79	0.049																				
10/30/2022	Sun	51.3			48.2	0.0	0.5	47.7	0.0	0.01	0.02	0.00	70.1	124.1	7.4	1.79	1.79	1.79	0.049																				
10/31/2022	Mon	46.7			49.5	0.0	1.1	48.4	0.0	0.01	0.06	0.00	70.1	127.5	7.9	1.79	1.79	1.79	0.050																				
TOTAL		1,670			1,610.0	0.0	327.3	1,282.6	0.0																													
MAX		61.7	307	450	64.2	0.0	23.1	59.1	0.0	0.13	0.22	0.01	70.1	127.5	8.0	1.79	1.79	1.79	0.770	3.0	99.6	0.9	99.7	0.8	0.8	0.25	0.15	2.08	1.99	2.90	4.9	0.1	912	270	214	0.28	0.19
AVG		53.9	287	362	51.9	0.0	10.6	41.4	0.0	0.02	0.05	0.00	68.1	113.6	7.5	1.79	1.79	1.79	0.104	2.3	99.4	0.9	99.7	0.4	0.3	0.10	0.11	1.19	1.07	1.63	4.9	0.1	912	270	214	0.28	0.19
MIN		46.4	268	263	40.9	0.0	0.3	23.9	0.0	0.01	0.02	0.00	66.2	105.4	7.1	1.79	1.79	1.79	0.040	2.0	99.2	0.9	99.7	0.1	0.0	0.05	0.09	0.38	0.27	0.53	4.9	0.1	912	270	214	0.28	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	### Range Limit 1 Exceeded	### Range Limit 2 Exceeded

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																
11/01/2022	Tue	47.4	259	232	47.7	0.0	1.7	46.0	0.0	0.01	0.20	0.00	69.1	130.9	7.4	1.79	1.79	1.79	0.060	1.9	99.2	0.9	99.7	1.5	1.5	0.05	0.09	1.03	0.94	2.54								
11/02/2022	Wed	53.5			49.8	0.0	1.8	48.0	0.0	0.01	0.02	0.00	69.1	121.5	7.1	1.79	1.79	1.79	0.050																			
11/03/2022	Thu	48.5			56.7	0.0	14.4	42.3	0.0	0.01	0.02	0.00	70.4	118.2	7.6	1.79	1.79	1.79	0.060											4.9	0.1	904	262	201	0.25	0.19	
11/04/2022	Fri	50.5			31.9	0.0	4.7	27.3	0.0	0.01	0.02	0.00	71.0	119.0	7.6	1.79	1.79	1.79	0.070																			
11/05/2022	Sat	55.5			51.5	0.0	0.5	51.0	0.0	0.01	0.02	0.00	71.0	113.7	7.6	1.79	1.79	1.79	0.049																			
11/06/2022	Sun	51.6			54.7	0.0	9.9	44.8	0.0	0.01	0.03	0.00	70.4	113.1	7.8	1.79	1.79	1.79	0.049																			
11/07/2022	Mon	44.5			42.7	0.0	6.9	35.8	0.0	0.01	0.03	0.00	69.5	111.5	8.3	1.79	1.79	1.79	0.049																			
11/08/2022	Tue	66.9	231	230	82.1	0.0	0.6	81.5	0.0	0.01	0.02	0.00	69.2	110.3	7.8	1.79	1.79	1.79	0.060	2.0	99.1	0.9	99.6	1.0	1.0	0.05	0.09	1.15	1.06	2.19								
11/09/2022	Wed	63.4			57.0	0.0	0.7	56.3	0.0	0.01	0.02	0.00	68.7	108.8	7.9	1.79	1.79	1.79	0.960																			
11/10/2022	Thu	58.3			64.5	0.0	14.7	49.7	0.0	0.01	0.02	0.00	68.5	108.8	7.9	1.79	1.79	1.79	0.060																			
11/11/2022	Fri	56.2			51.7	0.0	0.7	51.0	0.0	0.01	0.02	0.00	68.7	107.7	7.8	1.79	1.79	1.79	0.060																			
11/12/2022	Sat	55.2			53.8	0.0	0.6	53.2	0.0	0.01	0.02	0.00	69.1	108.4	7.4	1.79	1.79	1.79	0.040																			
11/13/2022	Sun	51.8			56.1	0.0	0.6	55.5	0.0	0.01	0.02	0.00	69.3	108.9	7.4	1.79	1.79	1.79	0.050																			
11/14/2022	Mon	47.6			48.5	0.0	0.6	47.8	0.0	0.01	0.02	0.00	69.1	114.5	7.2	1.79	1.79	1.79	0.060																			
11/15/2022	Tue	47.4	246	418	49.0	0.0	0.6	48.4	0.0	0.01	0.02	0.00	68.7	111.9	7.2	1.79	1.79	1.79	0.049	3.0	99.3	1.0	99.6	0.6	0.6	0.05	0.09	0.53	0.44	1.14								
11/16/2022	Wed	45.6			38.2	0.0	0.6	37.6	0.0	0.01	0.02	0.00	68.2	118.6	7.2	1.79	1.79	1.79	0.050																			
11/17/2022	Thu	48.3			42.2	0.0	2.7	39.6	0.0	0.01	0.11	0.00	68.2	117.9	7.7	1.79	1.79	1.79	0.049																			
11/18/2022	Fri	49.6			44.0	0.0	0.5	43.5	0.0	0.02	0.23	0.01	68.5	118.9	7.3	1.79	1.79	1.79	0.049																			
11/19/2022	Sat	50.1			51.4	0.0	0.4	50.9	0.0	0.01	0.02	0.00	68.8	116.2	7.7	1.79	1.79	1.79	0.049																			
11/20/2022	Sun	48.1			53.1	0.0	12.6	40.5	0.0	0.01	0.02	0.00	68.7	116.9	7.6	1.79	1.79	1.79	0.049																			
11/21/2022	Mon	56.6			46.2	0.0	23.7	22.5	0.0	0.01	0.02	0.00	69.0	113.8	7.5	1.79	1.79	1.79	0.660																			
11/22/2022	Tue	48.1	302	360	56.2	0.0	12.7	43.5	0.0	0.01	0.02	0.00	69.5	116.7	7.6	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.7	2.8	2.5	0.24	0.09	1.00	0.91	3.77								
11/23/2022	Wed	53.2			47.3	0.0	20.7	26.6	0.0	0.01	0.02	0.00	69.6	114.3	7.3	1.79	1.79	1.79	0.060																			
11/24/2022	Thu	29.3			57.8	0.0	13.0	44.8	0.0	0.01	0.02	0.00	70.1	119.5	7.0	1.79	1.79	1.79	0.049																			
11/25/2022	Fri	47.8			15.7	0.0	15.5	0.1	0.0	0.01	0.02	0.00	70.2	133.2	7.0	1.79	1.79	1.79	0.049																			
11/26/2022	Sat	50.3			50.1	0.0	0.3	49.8	0.0	0.01	0.02	0.00	70.1	115.4	7.0	1.79	1.79	1.79	0.049																			
11/27/2022	Sun	44.2			55.8	0.0	14.5	41.3	0.0	0.01	0.02	0.00	69.8	118.5	7.1	1.79	1.79	1.79	0.049																			
11/28/2022	Mon	41.9			37.9	0.0	0.6	37.2	0.0	0.01	0.13	0.00	69.3	122.6	7.4	1.79	1.79	1.79	0.070																			
11/29/2022	Tue	44.2	127	401	39.3	0.0	0.5	38.8	0.0	0.04	0.18	0.00	68.6	124.9	7.8	1.79	1.79	1.79	0.049	1.9	99.5	0.9	99.3	1.4	1.4	0.05	0.09	0.90	0.81	2.31								
11/30/2022	Wed	53.0			46.3	0.0	1.3	45.0	0.0	0.01	0.02	0.00	68.8	115.7	7.4	1.79	1.79	1.79	0.049																			
TOTAL	1,508.6	1.96%		1,479.0	0.0	178.7	1,300.3	0.0																													
MAX	66.9	302	418	82.1	0.0	23.7	81.5	0.0	0.04	0.23	0.01	71.0	133.2	8.3	1.79	1.79	1.79	0.960	3.0	99.5	1.0	99.7	2.8	2.5	0.24	0.09	1.15	1.06	3.77	4.9	0.1	904	262	201	0.25	0.19	
AVG	50.3	233	328	49.3	0.0	6.0	43.3	0.0	0.01	0.05	0.00	69.3	116.3	7.5	1.79	1.79	1.79	0.104	2.1	99.3	0.9	99.6	1.5	1.4	0.09	0.09	0.92	0.83	2.39	4.9	0.1	904	262	201	0.25	0.19	
MIN	29.3	127	230	15.7	0.0	0.3	0.1	0.0	0.01	0.02	0.00	68.2	107.7	7.0	1.79	1.79	1.79	0.040	1.9	99.1	0.9	99.3	0.6	0.6	0.05	0.09	0.53	0.44	1.14	4.9	0.1	904	262	201	0.25	0.19	

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

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														
12/01/2022	Thu	45.7			60.5	0.0	9.4	51.0	0.0	0.01	0.02	0.00	69.1	111.3	7.1	1.79	1.79	1.79	0.049																		
12/02/2022	Fri	49.4			50.3	0.0	0.4	49.9	0.0	0.01	0.02	0.00	67.7	111.7	7.5	1.79	1.79	1.79	0.049																		
12/03/2022	Sat	52.6			46.7	0.0	0.3	46.4	0.0	0.01	0.02	0.00	67.7	112.6	7.6	1.79	1.79	1.79	0.060																		
12/04/2022	Sun	41.6			47.3	0.0	0.3	46.9	0.0	0.01	0.02	0.00	68.6	115.2	7.9	1.79	1.79	1.79	0.049																		
12/05/2022	Mon	45.9			40.6	0.0	0.4	40.2	0.0	0.01	0.02	0.00	68.5	121.0	7.2	1.79	1.79	1.79	0.049																		
12/06/2022	Tue	47.7	196	439	51.0	0.0	9.3	41.6	0.0	0.01	0.02	0.00	67.2	111.4	7.2	1.79	1.79	1.79	0.049	3.0	99.3	0.9	99.5	3.2	3.2	0.05	0.09	0.90	0.81	4.11						
12/07/2022	Wed	49.4			52.9	0.0	0.5	52.4	0.0	0.01	0.02	0.00	67.3	110.5	7.8	1.79	1.79	1.79	0.049																		
12/08/2022	Thu	60.2			63.5	0.0	7.9	55.6	0.0	0.01	0.02	0.00	67.1	107.0	7.5	1.79	1.79	1.79	0.050																		
12/09/2022	Fri	51.3			56.4	0.0	5.5	50.8	0.0	0.01	0.02	0.00	67.1	107.4	7.6	1.79	1.79	1.79	0.060																		
12/10/2022	Sat	49.2			52.9	0.0	0.3	52.6	0.0	0.01	0.02	0.00	67.5	109.9	7.8	1.79	1.79	1.79	0.049																		
12/11/2022	Sun	61.8			66.4	0.0	3.8	62.6	0.0	0.01	0.02	0.00	68.9	115.0	7.9	1.79	1.79	1.79	0.060																		
12/12/2022	Mon	54.0			69.7	0.0	0.3	69.5	0.0	0.01	0.02	0.00	69.1	115.1	7.6	1.79	1.79	1.79	0.100																		
12/13/2022	Tue	50.4	214	310	52.1	0.0	0.4	51.7	0.0	0.01	0.02	0.00	68.5	114.9	7.8	1.79	1.79	1.79	0.049	1.9	99.4	1.0	99.5	1.0	1.0	0.05	0.09	0.70	0.61	1.72						
12/14/2022	Wed	50.1			49.2	0.0	3.2	46.0	0.0	0.01	0.02	0.00	68.1	113.6	7.5	1.79	1.79	1.79	0.049																		
12/15/2022	Thu	58.8			40.6	0.0	0.5	40.1	2.5	0.01	0.02	0.00	69.0	117.1	7.6	1.79	1.79	1.79	0.050																		
12/16/2022	Fri	49.4			48.1	0.0	5.1	43.0	4.5	0.01	0.02	0.00	69.9	116.7	7.6	1.79	1.79	1.79	0.090																		
12/17/2022	Sat	55.0			51.3	0.0	3.6	47.7	0.0	0.01	0.02	0.00	69.9	120.5	6.6	1.79	1.79	1.79	0.049																		
12/18/2022	Sun	51.5			53.5	0.0	31.0	22.4	0.0	0.01	0.02	0.00	70.1	118.3	7.9	1.79	1.79	1.79	0.049																		
12/19/2022	Mon	50.1			48.8	0.0	24.8	24.0	0.0	0.10	0.02	0.00	69.6	115.9	7.6	1.79	1.79	1.79	0.070																		
12/20/2022	Tue	51.5	NS	NS	46.6	0.0	11.4	35.2	0.0	0.01	0.02	0.00	69.2	111.2	7.7	1.79	1.79	1.79	0.050	1.9	NS	0.9	NS	1.5	1.5	0.05	0.34	0.83	0.49	2.34						
12/21/2022	Wed	60.9			56.5	0.0	0.4	56.1	0.0	0.01	0.02	0.00	69.4	113.0	7.7	1.79	1.79	1.79	0.070																		
12/22/2022	Thu	53.5			57.1	0.0	21.2	35.9	0.0	0.01	0.02	0.00	69.0	113.5	7.5	1.79	1.79	1.79	0.080																		
12/23/2022	Fri	53.7			51.9	0.0	15.4	36.5	0.0	0.01	0.02	0.00	68.5	118.6	7.6	1.79	1.79	1.79	0.049																		
12/24/2022	Sat	50.8			51.8	0.0	19.9	31.9	0.0	0.01	0.02	0.00	68.9	118.6	7.8	1.79	1.79	1.79	0.080																		
12/25/2022	Sun	27.6			43.0	0.0	20.3	22.7	0.0	0.01	0.02	0.00	68.8	122.7	7.8	1.79	1.79	1.79	0.070																		
12/26/2022	Mon	54.6			25.1	0.0	19.9	5.2	0.0	0.01	0.02	0.00	68.7	122.7	7.7	1.79	1.79	1.79	0.110																		
12/27/2022	Tue	72.0			67.3	0.0	4.3	63.0	0.0	0.02	0.17	0.00	69.2	107.8	7.9	1.79	1.79	1.79	0.200			1.0	99.6	0.8	0.7	0.05	0.09	0.23	0.14	1.02						
12/28/2022	Wed	81.7			85.0	0.0	0.3	84.7	0.0	0.01	0.02	0.00	70.9	113.8	7.7	1.79	1.79	1.79	0.090																		
12/29/2022	Thu	59.5	235	270	65.3	0.0	0.3	65.0	0.0	0.01	0.02	0.00	72.0	123.4	7.5	1.79	1.79	1.79	0.070	1.9	99.3														
12/30/2022	Fri	52.6			48.5	0.0	0.4	48.1	0.0	0.01	0.02	0.00	71.5	133.3	7.2	1.79	1.79	1.79	0.180																		
12/31/2022	Sat	60.1			53.2	0.0	0.3	53.0	0.0	0.01	0.02	0.00	70.7	132.6	7.7	1.79	1.79	1.79	0.080																		
TOTAL	1,652.5			1,653.1	0.0	221.2	1,431.9	7.0																												
MAX	81.7	235	439	85.0	0.0	31.0	84.7	4.5	0.10	0.17	0.00	72.0	133.3	7.9	1.79	1.79	1.79	0.200	3.0	99.4	1.0	99.6	3.2	3.2	0.05	0.34	0.90	0.81	4.11	4.9	0.1	700	159	170	0.52	0.19
AVG	53.3	215	340	53.3	0.0	7.1	46.2	0.2	0.01	0.02	0.00	69.0	116.0	7.6	1.79	1.79	1.79	0.071	2.2	99.3	1.0	99.5	1.6	1.6	0.05	0.15	0.67	0.51	2.30	4.9	0.1	700	159	170	0.52	0.19
MIN	27.6	196	270	25.1	0.0	0.3	5.2	0.0	0.01	0.02	0.00	67.1	107.0	6.6	1.79	1.79	1.79	0.049	1.9	99.3	0.9	99.5	0.8	0.7	0.05	0.09	0.23	0.14	1.02	4.9	0.1	700	159	170	0.52	0.19

KEY:	SE	Sample Error	AE	Analytical Error	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded	###	Range Limit 2 Exceeded

ATTACHMENT B: QUARTERLY EFF

		>> DATE >>	1/12	4/13	7/26	11/3			
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals									
Aluminum	1	mg/L	0.036	0.050	0.048	0.053	0.053	0.046750	0.036
Antimony	0.006	mg/L	0.0009	0.0012	0.0014	0.0016	0.0016	0.001275	0.0009
Arsenic	0.01	mg/L	0.0006	0.0008	0.0015	0.0008	0.0015	0.000925	0.0006
Asbestos	7	MFL	0	0	0	0	0	0	0
Barium	1	mg/L	0.038	0.068	0.039	0.059	0.068	0.051000	0.038
Beryllium	0.004	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Cadmium	0.005	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Chromium	0.05	mg/L	0.0021	0.0027	0.0034	0.0041	0.0041	0.003075	0.0021
Cyanide	0.15	mg/L	0.006	0.0039	0.003	0.009	0.009	0.005475	0.003
Mercury	0.002	mg/L	0.00019	0.00019	0.00049	0.00049	0.00049	0.00034	0.00019
Nickel	0.1	mg/L	0.0049	0.0044	0.0051	0.0049	0.0051	0.004825	0.0044
Selenium	0.05	mg/L	0.0019	0.0019	0.002	0.0019	0.002	0.001925	0.0019
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	0	0	0	0	0
Fluoride	2	mg/L	0.6	0.7	1.35	1.42	1.42	1.017500	0.6
A2 - Radioactivity									
Radium-226 + Radium-228	5	pCi/L	1.053	1.053	1.053	1.356	1.356	1.128750	1.053
Gross Alpha Particle Activity[1]	15	pCi/L	2.41	2.08	2.71	3.23	3.23	2.6075	2.08
Tritium	20,000	pCi/L	434	434	434	434	434	434	434
Strontium-90	8	pCi/L	0	0.519	0.275	0.505	0.519	0.324750	0
Gross Beta Particle Activity	50	pCi/L	5.7	2.03	1.610	2.34	5.7	2.920000	1.61
Uranium	20	pCi/L	1.4	1.5	1.40	1.9	1.9	1.550000	1.4
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	0.00049	0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	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	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049

		>> DATE >>	1/12	4/13	7/26	11/3			
	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	0.0009	0.0009	0.0011	0.0009	0.0011	0.00095	0.0009
Benzo(a)pyrene	0.0002	mg/L	0.000049	0.000049	0.000049	0.0000	0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0	0	0	0	0	0	0
Chlordane	0.0001	mg/L	0.000089	0.00009	0.00009	0.00009	0.00009	0.000090	0.000089
2,4-D	0.07	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Dalapon	0.2	mg/L	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L	0.000009	0.000009	0.00003	0.000009	0.00003	0.00001425	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	0.0009	0.0028	0.0019	0.0009	0.0028	0.00163	0.0009
Diquat	0.02	mg/L	0	0	0	0	0	0	0
Endothall	0.1	mg/L	0	0	0	0	0	0	0
Endrin	0.002	mg/L	0.000009	0.000009	0.00002	0.000009	0.00002	0.000012	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.000019	0.000019	0.000029	0.000019	0.000029	0.000022	0.000019
Glyphosate	0.7	mg/L	0	0	0	0	0	0	0
Heptachlor	0.00001	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.0000090	0.000009
Heptachlor Epoxide	0.00001	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.0000090	0.000009
Hexachlorobenzene	0.001	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.0000090	0.000009
Hexachlorocyclopentadiene	0.05	mg/L	0.0001	0.000009	0.00004	0.000009	0.0001	0.0000395	0.000009
lindane	0.0002	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.0000090	0.000009
Methoxychlor	0.03	mg/L	0.000049	0.000049	0.00008	0.000049	0.00008	0.0000568	0.000049
Molinate	0.02	mg/L	0.00019	0.00019	0.00019	0.0002	0.00019	0.0001900	0.00019
Oxamyl	0.05	mg/L	0	0	0	0	0	0	0
Pentachlorophenol	0.001	mg/L	0.000089	0.00009	0.00009	0.00009	0.00009	0.0000898	0.000089
Picloram	0.5	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Polychlorinated Biphenyls	0.0005	mg/L	0.000089	0.00009	0.00009	0.00009	0.00009	0.0000898	0.000089
Simazine	0.004	mg/L	0.0026	0.00019	0.00019	0.00019	0.0026	0.0007925	0.00019
Thiobencarb	0.07	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Toxaphene	0.003	mg/L	0.000089	0.00009	0.00009	0.00009	0.00009	0.0000898	0.000089
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	0.00848	0.00842	0.00823	0.00772	0.00848	0.0082125	0.00772
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	10.5	10.2	14.4	21.0	21	14.025	10.2
Bromodichloromethane		ug/l	0.49	0.49	0.49	4.1	4.1	1.39250	0.49
Bromoform		ug/l	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Chloroform		ug/l	10.5	10.2	10.2	16.0	16	11.725	10.2

ATTACHMENT B: QUARTERLY EFF

	>> DATE >>		1/12	4/13	7/26	11/3			
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
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
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)

	>> DATE >>		1/12	4/13	7/26	11/3			
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
Dibromochloromethane		ug/l	0.49	0.49	1.8	0.53	1.8	0.83	0.49
Haloacetic acid (five) (HAA5)	0.06	ppb	14.4	17.6	19.6	14.0	19.6	16.40	14
Monochloroacetic acid		ppb	1.94	1.73	2.86	1.99	2.86	2.13	1.73
Dichloroacetic acid		ppb	8.14	10.2	9.5	9.3	10.2	9.30	8.14
Trichloroacetic acid		ppb	3.42	4.62	4.0	5.1	5.1	4.30	3.42
Monobromoacetic acid		ppb	0.9	1.00	1.93	0.9	1.93	1.18	0.9
Dibromoacetic acid		ppb	0.9	0.9	1.21	0.9	1.21	0.98	0.9
Bromate 121	0.01	ppb	4.9	664	27.3	9.99	664	176.55	4.9
Chlorite131	1	ppb	19	123	37.5	26.9	123	51.60	19
A5 - Secondary MCLs									
Aluminum	0.2	mg/L	0.036	0.05	0.048	0.053	0.053	0.046750	0.036
Color	150	CU	18.8	23.8	18.9	25.9	25.9	21.85	18.8
Copper	1	mg/L	0.0009	0.0011	0.0009	0.001	0.0011	0.000975	0.0009
Corrosivity (Langelier Index)	Non		-2.8	-0.21	-0.48	-0.2	-0.2	-0.9225	-2.8
Foam Agents (MBAS)	0.5	mg/L	0.45	0.19	0.63	0.57	0.63	0.460000	0.19
Iron	0.3	mg/L	0.02	0.09	0.04	0.04	0.09	0.0475	0.02
Manganese	0.05	mg/L	0.023	0.066	0.031	0.0075	0.066	0.0318750	0.0075
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.	1	1	0.9	0.9	1	0.950000	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	0.047	0.018	0.018	0.023	0.047	0.026500	0.018

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

	DATE	DAY	GAL	LOCATION	DESCRIPTION	REASON FOR HAUL	DESTINATION	HAULER
FIRST QUARTER	02/22/2022	Tue	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	03/09/2022	Wed	10,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	03/31/2022	Thu	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		20,000					
SECOND QUARTER	04/01/2022	Fri	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	04/18/2022	Mon	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Pacific Sanitation
	04/18/2022	Mon	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	05/09/2022	Mon	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	05/10/2022	Tue	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Pacific Sanitation
	06/06/2022	Mon	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Pacific Sanitation
	06/07/2022	Tue	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	06/08/2022	Wed	5,000	MBT	Waste Activated Sludge	Routine Solids Removal	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		40,000					
THIRD QUARTER								
	QUARTER TOTAL		0					
FOURTH QUARTER								
	QUARTER TOTAL		0					

Date	Day	Gallons	Location	Description	Reason for Haul	Destination	Hauler
07/13/2022	Wed	5,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
07/14/2022	Thu	5,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
08/03/2022	Wed	10,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
08/10/2022	Wed	10,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
09/14/2022	Wed	15,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
11/02/2022	Wed	10,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
11/16/2022	Wed	5,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
12/02/2022	Fri	7,500	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
12/02/2022	Fri	5,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Pacific Sanitation Inc.
12/27/2022	Tue	10,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Pacific Sanitation Inc.
12/28/2022	Wed	10,000	Solids Storage Tank	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping & Septic Systems
Total		**92,500**					

ATTACHMENT D: ANNUAL EFF

Date: 01/19/2022	MCL	Units	Result	Units
Antimony	6	ug/l	0.9	ug/l
Arsenic	10	ug/l	0.7	ug/l
Beryllium	4	ug/l	0.19	ug/l
Cadmium	5	ug/l	0.19	ug/l
Chromium (III)	50	ug/l	2.7	ug/l
Chromium (VI)	NL	ug/l	ND	ug/l
Copper	1000	ug/l	1.1	ug/l
Lead	NL	ug/l	0.19	ug/l
Mercury	2	ug/l	0.19	ug/l
Nickel	100	ug/l	4.3	ug/l
Selenium	50	ug/l	1.9	ug/l
Silver	100	ug/l	0.19	ug/l
Thallium	2	ug/l	0.9	ug/l
Zinc	5000	ug/l	15	ug/l
Cyanide	150	ug/l	7	ug/l
Asbestos	7	mfl >10µm	2	mfl >10µm
Acrolein	NL	ug/l	4.9	ug/l
Acrylonitrile	NL	ug/l	4.9	ug/l
Benzene	1	ug/l	0.9	ug/l
Bromoform	NL	ug/l	0.9	ug/l
Carbon tetrachloride	0.5	ug/l	0.9	ug/l
Chlorobenzene	NL	ug/l	0.9	ug/l
Dibromochloromethane	NL	ug/l	0.9	ug/l
Chloroethane	NL	ug/l	0.9	ug/l
2-Chloroethylvinyl Ether	NL	ug/l	4.9	ug/l
Chloroform	NL	ug/l	14.2	ug/l
Dichlorobromomethane	NL	ug/l	0.9	ug/l
1,1 Dichloroethane	5	ug/l	0.9	ug/l
1,2 Dichloroethane	0.5	ug/l	0.9	ug/l
1,1 Dichloroethylene	NL	ug/l	0.9	ug/l
1,2 Dichloropropane	5	ug/l	0.9	ug/l
1,3-dichloropropylene	NL	ug/l	0.9	ug/l
Ethylbenzene	300	ug/l	0.9	ug/l
Methyl Bromide	NL	ug/l	1.9	ug/l
Methyl Chloride	NL	ug/l	1.9	ug/l
Methylene Chloride	NL	ug/l	0.9	ug/l
1,1,2,2-Tetrachloroethane	1	ug/l	0.9	ug/l
Tetrachloroethylene	5	ug/l	0.9	ug/l
Toluene	150	ug/l	0.9	ug/l
1,2-Trans-Dichloroethylene	10	ug/l	0.9	ug/l
1,1,1-Trichloroethane	200	ug/l	0.9	ug/l
1,1,2-Trichloroethane	5	ug/l	0.9	ug/l

Date: 01/19/2022	MCL	Units	Result	Units
Trichloroethylene	5	ug/l	0.9	ug/l
Vinyl Chloride	0.5	ug/l	0.9	ug/l
2-Chlorophenol	NL	ug/l	4.9	ug/l
2,4-Dichlorophenol	NL	ug/l	1.9	ug/l
2,4-Dimethylphnol	NL	ug/l	1.9	ug/l
4,6- Dinitro-2-Methylphenol	NL	ug/l	9.9	ug/l
2,4-Dinitrophenol	NL	ug/l	9.9	ug/l
2-Nitrophenol	NL	ug/l	1.9	ug/l
4-Nitrophenol	NL	ug/l	9.9	ug/l
4-Chloro-3-Methylphenol	NL	ug/l	4.9	ug/l
Pentachlorophenol	1	ug/l	9.9	ug/l
Phenol	NL	ug/l	4.9	ug/l
2,4,6-Trichlorophenol	NL	ug/l	4.9	ug/l
Acenaphthene	NL	ug/l	1.9	ug/l
Acenaphthylene	NL	ug/l	1.9	ug/l
Anthracene	NL	ug/l	1.9	ug/l
Benzidine	NL	ug/l	9.9	ug/l
Benzo (a) pyrene	0.2	ug/l	1.9	ug/l
Benzo (b) fluoranthene	NL	ug/l	1.9	ug/l
Benzo (ghi) perylene	NL	ug/l	1.9	ug/l
Benzo (k) fluoranthene	NL	ug/l	1.9	ug/l
Bis (2-chloroethoxy) Methane	NL	ug/l	1.9	ug/l
Bis (2-chloroethyl) Ether	NL	ug/l	1.9	ug/l
Bis (2-chloroisopropyl) Ether	NL	ug/l	1.9	ug/l
Bis (2-ethylhexyl) Phthalate	NL	ug/l	1.9	ug/l
4-Bromophenyl Phenyl Ether	NL	ug/l	1.9	ug/l
Butylbenzyl Phthalate	NL	ug/l	1.9	ug/l
2-Chloronaphthalene	NL	ug/l	1.9	ug/l
4-Chlorophenyl Phenyl Ether	NL	ug/l	1.9	ug/l
Chrysene	NL	ug/l	1.9	ug/l
Dibenzo (ah) anthracene	NL	ug/l	1.9	ug/l
1,2-Dichlorobenzene	600	ug/l	0.9	ug/l
1,3-Dichlorobenzene	NL	ug/l	0.9	ug/l
1,4-Dichlorobenzene	5	ug/l	0.9	ug/l
3,3'-Dichlorobenzidine	NL	ug/l	1.9	ug/l
Diethyl Phthalate	NL	ug/l	1.9	ug/l
Dimethyl Phthalate	NL	ug/l	1.9	ug/l
Di-n-butyl Phthalate	NL	ug/l	1.9	ug/l
2,4-Dinitrotoluene	NL	ug/l	4.9	ug/l
2,6-Dinitrotoluene	NL	ug/l	4.9	ug/l
Di-n-octyl Phthalate	NL	ug/l	7.6	ug/l
1,2-Diphenylhydrazine	NL	ug/l	1.9	ug/l

Date: 01/19/2022	MCL	Units	Result	Units
Fluoranthene	NL	ug/l	1.9	ug/l
Fluorene	NL	ug/l	1.9	ug/l
Hexachlorobenzene	1	ug/l	1.9	ug/l
Hexachlorobutadiene	NL	ug/l	1.9	ug/l
Hexachlorocyclopentadiene	50.0	ug/l	1.9	ug/l
Hexachloroethane	NL	ug/l	1.9	ug/l
Indeno (1,2,3-cd) pyrene	NL	ug/l	1.9	ug/l
Isophorone	NL	ug/l	1.9	ug/l
Naphthalene	NL	ug/l	1.9	ug/l
Nitrobenzene	NL	ug/l	1.9	ug/l
N-nitrosodimethylamine	NL	ug/l	4.9	ug/l
N-Nitrosodi-N-propylamine	NL	ug/l	1.9	ug/l
Phenathrene	NL	ug/l	1.9	ug/l
Pyrene	NL	ug/l	1.9	ug/l
1,2,4-Trichlorobenzene	5	ug/l	1.9	ug/l
Aldrin	NL	ug/l	0.0049	ug/l
alpha-BHC	NL	ug/l	0.009	ug/l
beta-BHC	NL	ug/l	0.0049	ug/l
gamma-BHC	NL	ug/l	0.009	ug/l
delta-BHC	NL	ug/l	0.0049	ug/l
Chlordane	0.1	ug/l	0.09	ug/l
4,4'-DDT	NL	ug/l	0.009	ug/l
4,4'-DDE	NL	ug/l	0.009	ug/l
4,4'-DDD	NL	ug/l	0.009	ug/l
Dieldrin	NL	ug/l	0.009	ug/l
alpha-Endosulfan	NL	ug/l	0.009	ug/l
beta-Endosulfan	NL	ug/l	0.009	ug/l
Endosulfan Sulfate	NL	ug/l	0.009	ug/l
Endrin	2	ug/l	0.009	ug/l
Endrin Aldehyde	NL	ug/l	0.009	ug/l
Heptachlor	0.01	ug/l	0.009	ug/l
Heptachlor Epoxide	0.01	ug/l	0.009	ug/l
PCB (Aroclor-1016)	NL	ug/l	0.09	ug/l
PCB (Aroclor-1221)	NL	ug/l	0.09	ug/l
PCB (Aroclor-1232)	NL	ug/l	0.09	ug/l
PCB (Aroclor-1242)	NL	ug/l	0.09	ug/l
PCB (Aroclor-1248)	NL	ug/l	0.09	ug/l
PCB (Aroclor-1254)	NL	ug/l	0.09	ug/l
PCB (Aroclor-1260)	NL	ug/l	0.09	ug/l
Toxaphene	3	ug/l	0.09	ug/l

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 15:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L1013-01) Collected: 30-Dec-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL13026	1.8	30-Dec-21	01-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL13026	1.8	30-Dec-21	01-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	30-Dec-21	30-Dec-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL13030	0.05	30-Dec-21	30-Dec-21	**0.18 mg/l**	
EFF (Sample I.D.# : 21L1056-01) Collected: 31-Dec-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	31-Dec-21	02-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	31-Dec-21	02-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	31-Dec-21	31-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	01-Jan-22	01-Jan-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22A0004-01) Collected: 01-Jan-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	01-Jan-22	03-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	01-Jan-22	03-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	01-Jan-22	01-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	02-Jan-22	02-Jan-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22A0008-01) Collected: 02-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	02-Jan-22	04-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	02-Jan-22	04-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	02-Jan-22	02-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	03-Jan-22	03-Jan-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab 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: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0023-01) Collected: 03-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	03-Jan-22	05-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	03-Jan-22	05-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	03-Jan-22	13-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	04-Jan-22	04-Jan-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22A0061-01) Collected: 04-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20453	1.8	04-Jan-22	06-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20453	1.8	04-Jan-22	06-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	04-Jan-22	04-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20525	0.05	05-Jan-22	05-Jan-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22A0100-01) Collected: 05-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20519	1.8	05-Jan-22	07-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20519	1.8	05-Jan-22	07-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	05-Jan-22	05-Jan-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20525	0.05	05-Jan-22	05-Jan-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22A0140-01) Collected: 06-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20634	1.8	06-Jan-22	08-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20634	1.8	06-Jan-22	08-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	06-Jan-22	06-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20642	0.05	06-Jan-22	06-Jan-22	**0.08 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab 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: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0205-01) Collected: 07-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20725	1.8	07-Jan-22	09-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20725	1.8	07-Jan-22	09-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	07-Jan-22	07-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21048	0.05	07-Jan-22	07-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0216-01) Collected: 08-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20825	1.8	08-Jan-22	10-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20825	1.8	08-Jan-22	10-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	08-Jan-22	09-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21048	0.05	08-Jan-22	08-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0220-01) Collected: 09-Jan-22 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20939	1.8	09-Jan-22	11-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20939	1.8	09-Jan-22	11-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	09-Jan-22	09-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21048	0.05	09-Jan-22	09-Jan-22	**0.09 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab 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: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21L1013

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	12/30/21	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 30 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by OK	Golan IPC	12/30/21	11:25
Received by	Juan V. (PCL)	12/30/21	11:25
Relinquished by	Juan V. (PCL)	12/30/21	12:25
Received by			
Relinquished by			
Received at Lab by		DEC 30 2021	12:25

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21L1056

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/31/21	13:30	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 31 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Golan	Golan IPC	12/31/21	14:19
Received by: Alex Walls	Alex Walls	12/31/21	14:19
Relinquished by:			
Received by:			
Relinquished by:			
Received for lab by: Alex Walls Jr.	DEC 31 2021	1000	

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0004

Customer:	IPC - Integrated Performance Consultanis, Inc.	**Project :**	(MCC) Daily EFF
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	01/01/22	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	01/01/22	11:20
Received by: Alex Williams	Alex Williams	1/1/22	1340
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Williams Jr.		JAN 01 2022	1530

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0008

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	ERIC MORRIS
	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	1-2-22	915	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	ERIC MORRIS IPC	1-2-22	930
Received by	Alek Walker Sr	1-2-22	12:00
Relinquished by			
Received by			
Relinquished by			
Received by		JAN 02 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0023

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	1/3/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name / (Company)	Date	Time
Relinquished by		Daniel (IPC)	1/3/22	1110
Received by		MARSD SANTIESTEBAN (PCL)	1/3/22	1359
Relinquished by		MARSD SANTIESTEBAN (PCL)	1/3/22	1525
Received by				
Relinquished by				
Received by		JAN 03 2022		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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0061

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: ERIC MORRIS	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	1-4-22	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
JAN 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	1-4-22	1148
Received by	Jonathan V (IPC)	1/4/22	1200
Relinquished by	Jonathan V (IPC)	1/4/22	1340
Received by			
Relinquished by			
Received in lab by		JAN 04 2022	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
AI - $AlCl_3$
Cu - $CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0100

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/05/22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/05/21	1155
Received by		Jonathan V. (IPC)	1/5/21	1223
Relinquished by		Jonathan V. (IPC)	1/5/22	1330
Received by				
Relinquished by				
Received at lab by		JAN 05 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0140

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/6/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 06 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	1/6/22	1145
Received by		Jonathan V (PC)	1/6/22	1200
Relinquished by		Jonathan V (PC)	1/6/22	1350
Received by				
Relinquished by				
Received in lab by			JAN 06 2022	1350

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0205

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huey	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	1/7/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	1/7/22	1125
Received by		Jonathan V.	1/7/22	1147
Relinquished by		Jonathan (UPS)	1/7	1325
Received by				
Relinquished by				
Received in lab by			JAN 07 2022	1325

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22AO216

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Jesus Arcila
	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	1/8/22	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
4	"	"	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 Arcila	Jesus Arcila (IPC)	1/8/22	11:05
Received by:	Richard Martinez (Pat)	1/8/22	1255
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (Pat)	1/8/22	1420

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0220

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	ERIC MORRIS
	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	1-9-22	9:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 11.3°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	E. Morris	E. MORRIS IPC	1-9-22	9:30
Received by	Juan Vasquez	Juan Vasquez (PCL)	1/9/22	10:10
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Juan Vasquez	Juan Vasquez (PCL)	1/9/22	11:34

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

Sample Received Checklist

Temperature upon receipt: 4° C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jan-22 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.# : 22A0241-01) Collected: 10-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21044	1.8	10-Jan-22	12-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21044	1.8	10-Jan-22	12-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21330	0.1	10-Jan-22	10-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21149	0.05	10-Jan-22	10-Jan-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22A0295-01) Collected: 11-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21146	1.8	11-Jan-22	13-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21146	1.8	11-Jan-22	13-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21330	0.1	11-Jan-22	11-Jan-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21334	0.05	11-Jan-22	11-Jan-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22A0320-01) Collected: 12-Jan-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21223	1.8	12-Jan-22	14-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21223	1.8	12-Jan-22	14-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21330	0.1	13-Jan-22	17-Jan-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21334	0.05	12-Jan-22	12-Jan-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22A0360-01) Collected: 13-Jan-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21332	1.8	13-Jan-22	15-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21332	1.8	13-Jan-22	15-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21748	0.1	13-Jan-22	13-Jan-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21856	0.05	14-Jan-22	14-Jan-22	**0.06 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/19/2022
Lab 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: 19-Jan-22 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.# : 22A0392-01) Collected: 14-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21426	1.8	14-Jan-22	16-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21426	1.8	14-Jan-22	16-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21748	0.1	14-Jan-22	14-Jan-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21856	0.05	14-Jan-22	14-Jan-22	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 1/19/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0241

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) Daily EFF
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	01/10/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8 / 7.9 / 8.1
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	14.3

RECEIVED
JAN 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/10/22	1150
Received by		Cindy Martinez	1-10-22	1150
Relinquished by		Cindy Martinez	1-10-22	1345
Received by				
Relinquished by				
Received in lab by			JAN 10 2022	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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0295

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	ERIC MORRIS
		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	1-11-22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 17.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IAC	1-11-22	1115
Received by		Cindy Martinez	1-11-22	1310
Relinquished by		Cindy Martinez	1-11-22	14:09
Received by				
Relinquished by				
Received lab by			JAN 11 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0320

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	1/12/22	11:37	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.94/19.8 °C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	1/12/22	12:25
Received by	MARJO SANTIESTEBAN (PCL)	1/12/22	1354
Relinquished by	MARJO SANTIESTEBAN (PCL)	1/12/22	1600
Received by			
Relinquished by			
Received in lab by		JAN 12 2022	1600

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0360

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	1/13/22	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.21 /
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	1/13/22	12:00
Received by	Cindy Marcus	1/13/22	12:00
Relinquished by	Cindy Marcus		1305
Received by			
Relinquished by			
Received in lab by		JAN 13 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0392

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Carlos 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	01/14/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 | 17.3
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
JAN 14 2022
By

Geotracker EDD:
Logcode: IPC1
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/14/22	1140
Received by		Cindy Mayo	1-14-22	11:40
Relinquished by		Cindy Mayo	-14-22	13:10
Received by				
Relinquished by				
Received at lab by		JAN 14 2022		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	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-Jan-22 11:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0407-01) Collected: 15-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21526	1.8	15-Jan-22	17-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21526	1.8	15-Jan-22	17-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21748	0.1	15-Jan-22	15-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21856	0.05	16-Jan-22	16-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0410-01) Collected: 16-Jan-22 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21641	1.8	16-Jan-22	18-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21641	1.8	16-Jan-22	18-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21748	0.1	16-Jan-22	16-Jan-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21856	0.05	16-Jan-22	16-Jan-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22A0429-01) Collected: 17-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21751	1.8	17-Jan-22	19-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21751	1.8	17-Jan-22	19-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22038	0.1	17-Jan-22	17-Jan-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21856	0.05	18-Jan-22	18-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0467-01) Collected: 18-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21852	1.8	18-Jan-22	21-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21852	1.8	18-Jan-22	21-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22038	0.1	18-Jan-22	18-Jan-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22035	0.05	18-Jan-22	18-Jan-22	**0.09 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/24/2022
Lab 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: 24-Jan-22 11:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0510-01) Collected: 19-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA21938	1.8	19-Jan-22	21-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA21938	1.8	19-Jan-22	21-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22038	0.1	19-Jan-22	19-Jan-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22035	0.05	19-Jan-22	19-Jan-22	**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,



Stephen Sakai 1/24/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0407

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	1-15-22	10:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Acuña	Jesus Acuña (IPC)	1/14/22	10:55
Received by:	Richard Matthews (PCL)	1/15/22	1055
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Matthews (PCL)	1/15/22	1615

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: _____

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	ERIC MORRIS
	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	1-16-22	9:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 / 19.1°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	E. MORRIS IPC	1-16-22	930
Received by	Juan V. (PCL)	1/16/22	9:55
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	1/16/22	11:02

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0429

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Huey
		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	1/17/22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Daniel (IPC)	1/17/22	1150
Received by	Jonathan V. (PC)	1/17	1202
Relinquished by	Jonathan V. (PC)	1/17	1322
Received by			
Relinquished by			
Received at lab by		JAN 17 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0467

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	ERIC MORRIS
		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	1-18-22	11:31	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	1-18-22	11:40
Received by		Jonathan V. (Fay)	1/18/22	1200
Relinquished by		Jonathan V. (Fay)	1/18/22	1300
Received by				
Relinquished by				
Received by			JAN 18 2022	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
(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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22 AOS10

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez / 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	01/19/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/19/22	1140
Received by		Jonathan V (PCL)	1/19	1200
Relinquished by		Jonathan V (PCL)	1/19	1320
Received by				
Relinquished by				
Received for lab by		JAN 19 2022		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.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jan-22 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.# : 22A0545-01) Collected: 20-Jan-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22039	1.8	20-Jan-22	22-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22039	1.8	20-Jan-22	22-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22451	0.1	20-Jan-22	20-Jan-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22035	0.05	20-Jan-22	20-Jan-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22A0573-01) Collected: 21-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22124	1.8	21-Jan-22	23-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22124	1.8	21-Jan-22	23-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22451	0.1	21-Jan-22	21-Jan-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22221	0.05	21-Jan-22	21-Jan-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22A0585-01) Collected: 22-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22218	1.8	22-Jan-22	24-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22218	1.8	22-Jan-22	24-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22451	0.1	22-Jan-22	22-Jan-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22453	0.05	24-Jan-22	24-Jan-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22A0590-01) Collected: 23-Jan-22 By eM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22341	1.8	23-Jan-22	25-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22341	1.8	23-Jan-22	25-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22451	0.1	23-Jan-22	23-Jan-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22453	0.05	24-Jan-22	24-Jan-22	**0.09 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/27/2022
Lab Director

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

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

Attention: Ric Vardel
Report Date: 27-Jan-22 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.# : 22A0613-01) Collected: 24-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22457	1.8	24-Jan-22	26-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22457	1.8	24-Jan-22	26-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22561	0.1	24-Jan-22	24-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22453	0.05	24-Jan-22	24-Jan-22	**0.14 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 1/27/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0545

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	1/20/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	↓	↓	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	1/20/22	1135
Received by		Jonathan V. (Fe)	1/20/22	12:00
Relinquished by		Jonathan V. (Fe)	1/20/22	13:00
Received by				
Relinquished by				
Received in lab by			JAN 20 2022	1300

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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0573

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Hwang
	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	1/21/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name	(Company)	Date	Time
Relinquished by:	Daniel	(IPC)	1/21/22	1105
Received by:	Jonathan V	(PCC)	1/21/22	1200
Relinquished by:	Jonathan V	(PCC)	1/21/22	1312
Received by:				
Relinquished by:				
Received by:			JAN 21 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0585

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
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	01/22/22	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
2	11	4	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 Avalos	Jesus Avalos (IPC)	1/22/22	10:55
Received by:	Richard Martinez (PCL)	01/22/22	10:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	01/22/22	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 **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 **Al** - $AlCl_3$ **Cu** -$CuSO_4$
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0590

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	ERIC MORRIS
		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	1-23-22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 19.3
	↓	↓	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		E. MORRIS IPC	1-23-22	950
Received by		Juan V. (PCL)	1/23/22	9:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	1/23/22	11:53

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0613

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Huey
		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	1/24/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7/20.1
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	1/24/22	1115
Received by			1/24/22	1235
Relinquished by			1/24/22	1351
Received by				
Relinquished by				
Received in lab by			JAN 24 2022	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: 02-Feb-22 09:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0633-01) Collected: 25-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22555	1.8	25-Jan-22	27-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22555	1.8	25-Jan-22	27-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22561	0.1	25-Jan-22	25-Jan-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22560	0.05	25-Jan-22	25-Jan-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22A0663-01) Collected: 26-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22627	1.8	26-Jan-22	28-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22627	1.8	26-Jan-22	28-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22833	0.1	26-Jan-22	26-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22741	0.05	27-Jan-22	27-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0678-01) Collected: 27-Jan-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22737	1.8	27-Jan-22	29-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22737	1.8	27-Jan-22	29-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA22833	0.1	27-Jan-22	27-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22741	0.05	27-Jan-22	27-Jan-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22A0703-01) Collected: 28-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22830	1.8	28-Jan-22	30-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22830	1.8	28-Jan-22	30-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA23152	0.1	28-Jan-22	28-Jan-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA22839	0.05	28-Jan-22	28-Jan-22	**0.12 mg/l**	

Respectfully Submitted,



Stephen Sakai 2/2/2022
Lab 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: 02-Feb-22 09:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0709-01) Collected: 29-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA22931	1.8	29-Jan-22	31-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA22931	1.8	29-Jan-22	31-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA23152	0.1	29-Jan-22	29-Jan-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA23151	0.05	31-Jan-22	31-Jan-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22A0712-01) Collected: 30-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA23045	1.8	30-Jan-22	01-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA23045	1.8	30-Jan-22	01-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA23152	0.1	30-Jan-22	30-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA23151	0.05	31-Jan-22	31-Jan-22	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 2/2/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0633

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1-25-22	11 50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5/18-6
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	1-25-22	1153
Received by	Cindy Montano	1-25-22	1215
Relinquished by	Cindy Montano	1-25-22	1330
Received by			
Relinquished by			
Received in lab by	JAN 25 2022		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
Al - $AlCl_3$
Cu -$CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0663

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	01/26/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 9.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 26 22
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	01/26/22	1110
Received by		Cindy Moffett	1-26-22	1200
Relinquished by		Cindy Moffett	1-26-22	1335
Received by				
Relinquished by				
Received in lab by			JAN 26 2022	1335

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0678

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	1/27/22	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 20.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/27/22	12:20
Received by:	Cindy Mariner	1/27/22	12:20
Relinquished by:	Cindy Mariner	1/27/22	1335
Received by:			
Relinquished by:			
Received (Lab) by:	JAN 27 2022		1335

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0703

Customer:	!PC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carbs Alvarez
		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	01/28/22	1128	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8 | 9.4
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carbs Alvarez (IPC)	01/28/22	1140
Received by		Cindy Marquez	1/28/22	1204
Relinquished by		Cindy Marquez	1/28/22	13:00
Received by				
Relinquished by				
Received in lab by		JAN 28 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0709

Customer: IPC - Integrated Performance Consultants, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Jesus Avalos	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	11/29/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
F/	"	"	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 Avalos	Jesus Avalos (IPC)	11/29/22	11:35
Received by:	Richard Martinez (PCL)	11/29/22	1135
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	11/29/22	1530

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0712

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC) Daily EFF**
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	ERIC MORRIS
		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	1/30/22 "	940 "	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/13.1°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	E. MORRIS IPC	1/30/22	1005
Received by	Juan V. (PCL)	1/30/22	11:11
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	1/30/22	13:02

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-Feb-22 14:44
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0734-01) Collected: 31-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA23150	1.8	31-Jan-22	04-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA23150	1.8	31-Jan-22	04-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA23152	0.1	31-Jan-22	31-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA23151	0.05	31-Jan-22	31-Jan-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22B0022-01) Collected: 01-Feb-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20149	1.8	01-Feb-22	04-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20149	1.8	01-Feb-22	04-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20334	0.1	01-Feb-22	01-Feb-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20152	0.05	01-Feb-22	01-Feb-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22B0057-01) Collected: 02-Feb-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20228	1.8	02-Feb-22	04-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20228	1.8	02-Feb-22	04-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20334	0.1	02-Feb-22	02-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20234	0.05	02-Feb-22	02-Feb-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22B0089-01) Collected: 03-Feb-22 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20339	1.8	03-Feb-22	05-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20339	1.8	03-Feb-22	05-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20829	0.1	03-Feb-22	03-Feb-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20405	0.05	04-Feb-22	04-Feb-22	**0.07 mg/l**	

Respectfully Submitted,



Stephen Sakai 2/8/2022
Lab 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-Feb-22 14:44
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0110-01) Collected: 04-Feb-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20408	1.8	04-Feb-22	06-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20408	1.8	04-Feb-22	06-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20829	0.1	04-Feb-22	04-Feb-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20405	0.05	04-Feb-22	04-Feb-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22B0120-01) Collected: 05-Feb-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20509	1.8	05-Feb-22	07-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20509	1.8	05-Feb-22	07-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20829	0.1	05-Feb-22	05-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20726	0.05	07-Feb-22	07-Feb-22	**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,



Stephen Sakai 2/8/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22A0734

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	1/31/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	1/31/22	1115
Received by	Jonathan V. Pua	Jonathan V. Pua	1/31/22	1200
Relinquished by	Jonathan V. Pua	Jonathan V. Pua	1/31/22	1315
Received by				
Relinquished by				
Received at lab by	Al Kedrowski Jr.	JAN 31 2022		1315

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0022

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	ERIC MORRIS
		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	2-1-22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	E. MORRIS IPC	2-1-22	1137
Received by:	Jonathan V. (PCL)	2/1/22	1200
Relinquished by:	Jonathan V. (PCL)	2/1/22	1330
Received by:			
Relinquished by:			
Received in lab by:		FEB 01 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0057

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	02/02/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/02/22	1150
Received by		Jonathan V. (FW)	2/2/22	1200
Relinquished by		Jonathan V. (FW)	2/2/22	1320
Received by				
Relinquished by				
Received in lab by			FEB 02 2022	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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0089

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/3/22	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	2/3/22	12:10
Received by	Jonathan V (PCL)	2/3/22	12:10
Relinquished by	Jonathan V (PCL)	2/3/22	1400
Received by			
Relinquished by			
Received by lab by		FEB 03 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0110

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/04/22	1315	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/04/22	1320
Received by		Jonathan V. (FedEx)	02/04	1320
Relinquished by		Jonathan V. (FedEx)	02/04	1425
Received by				
Relinquished by				
Received at Lab by		FEB 04 2022		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
Al - $AlCl_3$
Cu - $CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0120

Customer: IPC - Integrated Performance Consultants, Inc.		Project: **(MCC) Daily EFF**	
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	2/05/22	10:30	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: Jesus Avalos	Jesus Avalos (IPC)	2/05/22	11:35
Received by: [signature]	Richard Martinez	2/05/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: [signature]	Richard Martinez (GL)	02/05/22	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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-Feb-22 16:09
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0125-01) Collected: 06-Feb-22 By eM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20622	1.8	06-Feb-22	08-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20622	1.8	06-Feb-22	08-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20829	0.1	06-Feb-22	06-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20726	0.05	07-Feb-22	07-Feb-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22B0135-01) Collected: 07-Feb-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20720	1.8	07-Feb-22	09-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20720	1.8	07-Feb-22	09-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB20829	0.1	07-Feb-22	07-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20726	0.05	07-Feb-22	07-Feb-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22B0160-01) Collected: 08-Feb-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20832	1.8	08-Feb-22	11-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20832	1.8	08-Feb-22	11-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21026	0.1	08-Feb-22	08-Feb-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20836	0.05	08-Feb-22	08-Feb-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22B0216-01) Collected: 09-Feb-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB20926	1.8	09-Feb-22	11-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB20926	1.8	09-Feb-22	11-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21026	0.1	09-Feb-22	09-Feb-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20934	0.05	09-Feb-22	11-Feb-22	**0.06 mg/l**	

Respectfully Submitted,

Stephen Sakai 2/14/2022
Lab 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: 14-Feb-22 16:09
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0249-01) Collected: 10-Feb-22 By DH							
Microbiological							
Fecal Coliforms	SM 9221E	AB21022	1.8	10-Feb-22	12-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21022	1.8	10-Feb-22	12-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21026	0.1	10-Feb-22	10-Feb-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB20934	0.05	11-Feb-22	11-Feb-22	**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,



Stephen Sakai 2/14/2022
Lab 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: 23-Feb-22 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.# : 22B0262-01) Collected: 11-Feb-22 By GF							
Microbiological							
Fecal Coliforms	SM 9221E	AB21108	1.8	11-Feb-22	13-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21108	1.8	11-Feb-22	13-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21533	0.1	11-Feb-22	11-Feb-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21113	0.05	11-Feb-22	11-Feb-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22B0285-01) Collected: 12-Feb-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AB21204	1.8	12-Feb-22	16-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21204	1.8	12-Feb-22	16-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21533	0.1	12-Feb-22	12-Feb-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21419	0.05	14-Feb-22	14-Feb-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22B0290-01) Collected: 13-Feb-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AB21323	1.8	13-Feb-22	15-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21323	1.8	13-Feb-22	15-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21533	0.1	13-Feb-22	13-Feb-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21419	0.05	14-Feb-22	14-Feb-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22B0306-01) Collected: 14-Feb-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB21416	1.8	14-Feb-22	16-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21416	1.8	14-Feb-22	16-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21533	0.1	14-Feb-22	14-Feb-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21419	0.05	14-Feb-22	14-Feb-22	**0.13 mg/l**	

Respectfully Submitted,



Stephen Sakai 2/23/2022
Lab 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: 23-Feb-22 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.# : 22B0335-01) Collected: 15-Feb-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB21540	1.8	15-Feb-22	17-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21540	1.8	15-Feb-22	17-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21808	0.1	15-Feb-22	15-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21543	0.05	15-Feb-22	15-Feb-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22B0373-01) Collected: 16-Feb-22 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB21632	1.8	16-Feb-22	18-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21632	1.8	16-Feb-22	18-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21808	0.1	16-Feb-22	16-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21633	0.05	16-Feb-22	16-Feb-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22B0403-01) Collected: 17-Feb-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB21733	1.8	17-Feb-22	19-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21733	1.8	17-Feb-22	19-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB21808	0.1	17-Feb-22	17-Feb-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21736	0.05	17-Feb-22	17-Feb-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22B0434-01) Collected: 18-Feb-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB21809	1.8	18-Feb-22	20-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21809	1.8	18-Feb-22	20-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22325	0.1	18-Feb-22	18-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB21814	0.05	18-Feb-22	18-Feb-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 2/23/2022
Lab 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: 23-Feb-22 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.# : 22B0449-01) Collected: 19-Feb-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB21904	1.8	19-Feb-22	21-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB21904	1.8	19-Feb-22	21-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22325	0.1	19-Feb-22	19-Feb-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22117	0.05	21-Feb-22	21-Feb-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22B0454-01) Collected: 20-Feb-22 By Em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22023	1.8	20-Feb-22	22-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22023	1.8	20-Feb-22	22-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22325	0.1	20-Feb-22	20-Feb-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22117	0.05	21-Feb-22	21-Feb-22	**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,



Stephen Sakai 2/23/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2230262

iPC - Integrated Performance Consultants, Inc.

(MCC) Daily EFF

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

EFF **Sample Description**	Date Sampled	Time Sampled	# of bottles	**Required Tests** pH, T.Res.Chlorine	Sample Type Grab	Matrix AQ	Bottle Type 500ml	Reserve °C	Field Data (pH / Temperature) pH: **Field** **Lab**
	2/11/22	11:35	1	Total Coliform, Fecal Coliform	Grab	AQ	Piastic Coli Bottle	4°C, ST	7.2 / 19.3
Geotracker EDD: Logcode: iPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	2/11/22	11:40
Received by	Cindy Morris	2-11-22	11:40
Relinquished by	Cindy Morris	2-11-22	3:01
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.

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.#: 22B0285

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Jorge 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	2/12/22	11:40	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: Jorge Avalos	Jorge Avalos (IPC)	2/12/22	11:45
Received by: Richard Martinez	Richard Martinez (PCL)	2/12/22	1145
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Richard Martinez	Richard Martinez (PCL)	02/12/22	1800

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0290

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	2-13-22	930	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic		7.6 / 12.2°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	E. MORRIS IPC	2-13-22	931
Received by	Juan V. (PCL)	2-13-22	9:32
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	2/13/22	10:45

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO - Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0306

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/14/22	1205	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/14/22	12 15
Received by		Jonathan V. (PCL)	2/14	12:00
Relinquished by		Jonathan V. (PCL)	2/14	13:25
Received by				
Relinquished by				
Received in lab by			FEB 14 2022	1325

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0335

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2-15-22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	2-15-22	1140
Received by		Jonathan V (fw)	2/15	12:00
Relinquished by		Jonathan V. (fw)	2/15	13:30
Received by				
Relinquished by				
Received in lab by		FEB 15 2022		1330

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0373

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez 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	02/16/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/16/22	1145
Received by		Jonathan V. (PCL)	2/16/22	12:00
Relinquished by		Jonathan V. (PCL)	2/16/22	13:48
Received by				
Relinquished by				
Received by lab by		FEB 16 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0403

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Hwang
		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	2/17/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Hwang	Daniel (IPC)	2/17/22	1110
Received by		Jonathan V. (PCL)	2/17	12:00
Relinquished by		Jonathan V. (PCL)	2/17	14:00
Received by				
Relinquished by				
Received in lab by			FEB 17 2022	14:20

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0434

(MCC) Daily EFF

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

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	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
EFF	2/18/22	1120	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
"	"	"							

RECEIVED
FEB 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	2/18/22	1125
Received by		Jonathan V (PCL)	2/18	12:00
Relinquished by		Jonathan V (PCL)	2/18	13:00
Received by				
Relinquished by				
Received for lab by		FEB 18 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0449

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	2/19/22	11:45	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: Jesus Avalos	Jesus Avalos (IPC)	2/19/22	11:50
Received by:	Richard Martinez (PCL)	02/19/22	11:50
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	02/19/22	1710

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0453/4 J.V

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** ERIC MORRIS **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	2/20/22	920	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9 / 17.3°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	E. MORRIS IPC	2/20/22	940
Received by	Juan Vasquez (PCL)	2/20/22	10:16
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	2/20/22	11:04

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	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: 02-Mar-22 16:06
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0465-01) Collected: 21-Feb-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22113	1.8	21-Feb-22	24-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22113	1.8	21-Feb-22	24-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22325	0.1	21-Feb-22	21-Feb-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22117	0.05	21-Feb-22	21-Feb-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22B0484-01) Collected: 22-Feb-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22225	1.8	22-Feb-22	24-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22225	1.8	22-Feb-22	24-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22325	0.1	22-Feb-22	22-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22117	0.05	23-Feb-22	23-Feb-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22B0517-01) Collected: 23-Feb-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22326	1.8	23-Feb-22	25-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22326	1.8	23-Feb-22	25-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22510	0.1	23-Feb-22	23-Feb-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22330	0.05	23-Feb-22	23-Feb-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22B0551-01) Collected: 24-Feb-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22426	1.8	24-Feb-22	26-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22426	1.8	24-Feb-22	26-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22510	0.1	24-Feb-22	24-Feb-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22515	0.05	25-Feb-22	25-Feb-22	**0.14 mg/l**	

Respectfully Submitted,

Stephen Sakai 3/2/2022
Lab 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: 02-Mar-22 16:06
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0574-01) Collected: 25-Feb-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22511	1.8	25-Feb-22	27-Feb-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22511	1.8	25-Feb-22	27-Feb-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22821	0.1	25-Feb-22	25-Feb-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22515	0.05	25-Feb-22	25-Feb-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22B0585-01) Collected: 26-Feb-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AB22604	1.8	26-Feb-22	01-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22604	1.8	26-Feb-22	01-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22821	0.1	26-Feb-22	26-Feb-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22828	0.05	28-Feb-22	28-Feb-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22B0590-01) Collected: 27-Feb-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22717	1.8	27-Feb-22	01-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22717	1.8	27-Feb-22	01-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22821	0.1	27-Feb-22	27-Feb-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22828	0.05	28-Feb-22	28-Feb-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22B0607-01) Collected: 28-Feb-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB22824	1.8	28-Feb-22	02-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB22824	1.8	28-Feb-22	02-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB22821	0.1	28-Feb-22	28-Feb-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB22828	0.05	28-Feb-22	28-Feb-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 3/2/2022
Lab 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

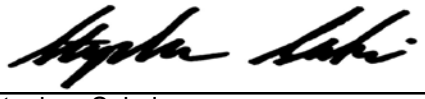
Attention: Ric Vardel
Report Date: 02-Mar-22 16:06
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 3/2/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2280465
(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/21/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 18.8 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/21/22	1120
Received by		Cindy Mayhew	2.21.22	1135
Relinquished by		Cindy Mayhew	2-21-22	1236
Received by				
Relinquished by				
Received by			FEB 21 2022	12:36

Sample Received Checklist

Temperature upon receipt:	4.4	
# 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0484

Customer: IPC Integrated Performance Consultants LLC
Project: MCC Daily
Address: 9297 Research Drive, Irvine CA 92618
Sampled by: ERIC MORRIS
P.O. #:
Report Attention:
Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2-22-22	1130	1	DTI TRes Chlorine	Grab		50ml		7.6/18.3
			1	Total coliform, Fecal Coliform	Grab		Coli		

RECEIVED
FEB 22 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by: [signature]	E. MORRIS IPC	2-22-22	1145
Received by: [signature]	Cindy Mayo	2.22.22	11:46
Relinquished by: [signature]	Cindy Mayo	2-22-22	1251
Received by:			
Relinquished by:			
Received for Lab by: [signature]	FEB 22 2022		1251

Sample Received Checklist .6

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2230517

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	02/23/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8 / 17.4 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/23/22	1140
Received by		Cindy MARTINEZ	2-23-22	1220
Relinquished by		Cindy MARTINEZ	2-23-22	1330
Received by				
Relinquished by				
Received in lab by		FEB 23 2022		1332

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	(Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B6551

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Luke Watson
		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	02-24-22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 20.7°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Luke Watson (IPC)	02-24-22	11:30
Received by	Cindy Martinez	2-24-22	1231
Relinquished by	Cindy Martinez	2.24.22	14:00
Received by			
Relinquished by			
Received at PCL by		FEB 24 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0574

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez / 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	02/25/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 15.7 - C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/25/22	1140
Received by		Cindy Martinez	2-25-22	1153
Relinquished by		Cindy Martinez	02-25-22	1325
Received by				
Relinquished by				
Received in lab by			FEB 25 2022	1325

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0585

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
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	2/26/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	2/26/22	11:55
Received by:	Richard Martinez (PCL)	2/26/22	1400
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	2/26/22	1740

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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.

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.#: 22B0590

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: ERIC MORRIS 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	2/27/22	1005	1	pH, T.Res.Chlorine (Sample was leaking out)	Grab	AQ	~~500ml~~ 250 Plastic	4°C	T.O
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	2/27/22	1015
Received by		Juan Vasquez (PCL)	2/27/22	10:15
Relinquished by		Juan V (PCL)	2/27/22	11:30
Received by				
Relinquished by				
Received at lab by			FEB 27 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22B0607

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/28/22	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	2/28/22	12:00
Received by	Jonathan V (PCL)	2/28	12:00
Relinquished by	Jonathan V (PCL)	2/28	14:00
Received by			
Relinquished by			
Received in lab by	FEB 28 2022		14:00

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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-Mar-22 15:07
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0010-01) Collected: 01-Mar-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20128	1.8	01-Mar-22	04-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20128	1.8	01-Mar-22	04-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20232	0.1	01-Mar-22	01-Mar-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20135	0.05	01-Mar-22	01-Mar-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22C0057-01) Collected: 02-Mar-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20220	1.8	02-Mar-22	04-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20220	1.8	02-Mar-22	04-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20232	0.1	02-Mar-22	02-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20231	0.05	02-Mar-22	02-Mar-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22C0099-01) Collected: 03-Mar-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20308	1.8	03-Mar-22	05-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20308	1.8	03-Mar-22	05-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20413	0.1	03-Mar-22	03-Mar-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20313	0.05	03-Mar-22	03-Mar-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22C0123-01) Collected: 04-Mar-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20407	1.8	04-Mar-22	06-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20407	1.8	04-Mar-22	06-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20413	0.1	04-Mar-22	04-Mar-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20412	0.05	04-Mar-22	04-Mar-22	**0.12 mg/l**	

Respectfully Submitted,

Stephen Sakai 3/11/2022
Lab 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-Mar-22 15:07
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 3/11/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample #220010

Sample I.D.#: 220010 ar

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3-1-22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	3-1-22	1145
Received by	Jonathan V. (PC)	3-1-22	12:00
Relinquished by	Jonathan V. (PC)	3/1/22	1330
Received by			
Relinquished by			
Received in lab by		MAR 01 2022	1330

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200057

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	03/02/22	1120	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
MAR 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/02/22	1130
Received by		Jonathan V (PCL)	3/2	1240
Relinquished by		Jonathan V (PCL)	3/2	1340
Received by				
Relinquished by				
Received in lab by		MAR 02 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0099

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/3/22	14:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	3/3/22	1509
Received by	MARIO SANTIESTEBAN (PCL)	3/3/22	1509
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/3/22	1715
Received by			
Relinquished by			
Received in Lab by		MAR 03 2022	17:15

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200123

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	03/04/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/04/22	1130
Received by		Jonathan V.	3/4	12:20
Relinquished by		Jonathan V.	3/4	13:30
Received by				
Relinquished by				
Received at lab by		MAR 04 2022		1350

Sample Received Checklist

Temperature upon receipt:	Y °C	
# of bottles agrees with COC?	Yes	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: 14-Mar-22 10:00
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0139-01) Collected: 05-Mar-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AC20516	1.8	05-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20516	1.8	05-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20834	0.1	05-Mar-22	05-Mar-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20733	0.05	07-Mar-22	07-Mar-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22C0146-01) Collected: 06-Mar-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AC20623	1.8	06-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20623	1.8	06-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20834	0.1	06-Mar-22	06-Mar-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20733	0.05	07-Mar-22	07-Mar-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0158-01) Collected: 07-Mar-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20732	1.8	07-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20732	1.8	07-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20834	0.1	07-Mar-22	07-Mar-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20733	0.05	07-Mar-22	07-Mar-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22C0181-01) Collected: 08-Mar-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20829	1.8	08-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20829	1.8	08-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC20834	0.1	08-Mar-22	08-Mar-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20832	0.05	08-Mar-22	08-Mar-22	**0.12 mg/l**	

Respectfully Submitted,

Stephen Sakai 3/14/2022
Lab 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: 14-Mar-22 10:00
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0239-01) Collected: 09-Mar-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC20934	1.8	09-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC20934	1.8	09-Mar-22	11-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21020	0.1	09-Mar-22	09-Mar-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC20939	0.05	09-Mar-22	10-Mar-22	**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,

Stephen Sakai 3/14/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220138

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	3/5/22	11:45	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: Jesus Avalos	Jesus Avalos (IPC)	3/5/22	11:50
Received by:	Richard Martinez (PCL)	3/5/22	1400
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	03/05/22	1730

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: 19-Mar-22 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.# : 22C0270-01) Collected: 10-Mar-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21019	1.8	10-Mar-22	14-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21019	1.8	10-Mar-22	14-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21027	0.1	10-Mar-22	10-Mar-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21028	0.05	10-Mar-22	10-Mar-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22C0296-01) Collected: 11-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21107	1.8	11-Mar-22	13-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21107	1.8	11-Mar-22	13-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21027	0.1	11-Mar-22	11-Mar-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21116	0.05	11-Mar-22	11-Mar-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22C0308-01) Collected: 12-Mar-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AC21226	1.8	12-Mar-22	15-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21226	1.8	12-Mar-22	15-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21631	0.1	12-Mar-22	12-Mar-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21428	0.05	14-Mar-22	15-Mar-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0311-01) Collected: 13-Mar-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AC21322	1.8	13-Mar-22	17-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21322	1.8	13-Mar-22	17-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21631	0.1	13-Mar-22	13-Mar-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21428	0.05	14-Mar-22	15-Mar-22	**0.11 mg/l**	

Respectfully Submitted,



Stephen Sakai 3/19/2022
Lab 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: 19-Mar-22 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.# : 22C0343-01) Collected: 14-Mar-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21426	1.8	14-Mar-22	17-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21426	1.8	14-Mar-22	17-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21631	0.1	14-Mar-22	14-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21428	0.05	14-Mar-22	15-Mar-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22C0360-01) Collected: 15-Mar-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21523	1.8	15-Mar-22	18-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21523	1.8	15-Mar-22	18-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21631	0.1	15-Mar-22	15-Mar-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21528	0.05	15-Mar-22	15-Mar-22	**0.17 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 3/19/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200270

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	3/10/22	12:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.0/22.0
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/10/22	1225
Received by: CM	Cindy Martinez	3-10-22	1225
Relinquished by: CM	Cindy Martinez	3/10/22	1420
Received by:			
Relinquished by:			
Received (Lab) by:		MAR 10 2022	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 -$CuSO_4$

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.#: 220246

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	LUKE WATSON
		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	03/11/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.0 / 22.1
	" "	" "	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		LUKE WATSON (IPC)	03/11/22	11:58
Received by		Cindy Martinez	3/11/22	11:58
Relinquished by		Cindy Martinez	3/11/22	14:10
Received by				
Relinquished by				
Received at lab by			MAR 11 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0308

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF				pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
c1	3/12/22	11:50	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	11	11							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Duales	Jesus Duales (IPC)	3/12/22	11:55
Received by:	Richard Martinez (PCL)	3/12/22	11:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	3/12/22	1700

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0311

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** ERIC MORRIS **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	3-13-22 ↓	952 ↓	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3
			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	E. MORRIS IPC	3-13-22	1000
Received by	Juan V. (PCL)	3/13/22	1007
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	3/13/22	13:06

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0343

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	3/14/22	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.70 / 14.7 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	3/14/22	1155
Received by		MARIO SANTIESTEBAN (PCL)	3/14/22	1234
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/4/22	1415
Received by				
Relinquished by				
Received in lab by		MAR 14 2022		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 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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0360

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3-15-22	1151	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Eric Morris (IPC	3-15-22	1155
Received by	MARIO SANTIESTEBAN (PCL)	3/15/22	1406
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/15/22	1545
Received by			
Relinquished by			
Received in lab by	MAR 15 2022		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.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 15:01
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0389-01) Collected: 16-Mar-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21632	1.8	16-Mar-22	18-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21632	1.8	16-Mar-22	18-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21631	0.1	16-Mar-22	16-Mar-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21636	0.05	16-Mar-22	16-Mar-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22C0436-01) Collected: 17-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21710	1.8	17-Mar-22	19-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21710	1.8	17-Mar-22	19-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC21812	0.1	17-Mar-22	17-Mar-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC21717	0.05	17-Mar-22	17-Mar-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22C0463-01) Collected: 18-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC21806	1.8	18-Mar-22	20-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21806	1.8	18-Mar-22	20-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	18-Mar-22	18-Mar-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22130	0.05	21-Mar-22	21-Mar-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22C0476-01) Collected: 19-Mar-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AC21926	1.8	19-Mar-22	21-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC21926	1.8	19-Mar-22	21-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	19-Mar-22	19-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22130	0.05	21-Mar-22	21-Mar-22	**0.08 mg/l**	

Respectfully Submitted,



Stephen Sakai 3/29/2022
Lab 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: 29-Mar-22 15:01
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0480-01) Collected: 20-Mar-22 By carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22021	1.8	20-Mar-22	22-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22021	1.8	20-Mar-22	22-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	20-Mar-22	20-Mar-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22130	0.05	21-Mar-22	21-Mar-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0498-01) Collected: 21-Mar-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22127	1.8	21-Mar-22	24-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22127	1.8	21-Mar-22	24-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	21-Mar-22	21-Mar-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22130	0.05	21-Mar-22	21-Mar-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0532-01) Collected: 22-Mar-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22223	1.8	22-Mar-22	25-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22223	1.8	22-Mar-22	25-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	22-Mar-22	22-Mar-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22229	0.05	22-Mar-22	24-Mar-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22C0563-01) Collected: 23-Mar-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22330	1.8	23-Mar-22	25-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22330	1.8	23-Mar-22	25-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	23-Mar-22	23-Mar-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22229	0.05	24-Mar-22	24-Mar-22	**0.08 mg/l**	

Respectfully Submitted,

Stephen Sakai 3/29/2022
Lab 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: 29-Mar-22 15:01
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0585-01) Collected: 24-Mar-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22417	1.8	24-Mar-22	26-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22417	1.8	24-Mar-22	26-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	24-Mar-22	24-Mar-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22229	0.05	24-Mar-22	24-Mar-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22C0600-01) Collected: 25-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22515	1.8	25-Mar-22	27-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22515	1.8	25-Mar-22	27-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	25-Mar-22	25-Mar-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**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,



Stephen Sakai 3/29/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0389

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: E MORRIS / 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	3-16-22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.63/20.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	3-16-22	1148
Received by		MARIO SANTIESTEBAN (PCL)	3/16/22	1148
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/16/22	1335
Received by				
Relinquished by				
Received in lab by			MAR 16 2022	1335

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0436

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: LUKE WATSON 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	03/17/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	11:30	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (SAC)	03/17/22	11:45
Received by	MARIO SANTIESTEBAN (PCL)	3/17/22	1233
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/17/22	1510
Received by			
Relinquished by			
Received at lab by	MAR 17 2022		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.

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.#: 22C0463

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: LUKE WATSON	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-362-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/18/22	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.92/19.9
	11 "	11 "	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (SPC)	03/18/22	11:40
Received by	MARIO SANTIESTEBAN (PCL)	3/18/22	1233
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/18/22	1440
Received by			
Relinquished by			
Received at Lab by	MAR 18 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0476

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	3/19/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	3/19/22	11:55
Received by:	Richard Martinez (PCL)	3/19/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	3/19/22	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0480

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	03/20/22	0955	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 23.8°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 (CPC)	03/20/22	1000
Received by		Juan Vasquez (PCL)	3/20/22	1000
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	3/20/22	11:04

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0498

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Huey
		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	3/21/22	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.87/14.3
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	3/21/22	1215
Received by	SANTIESTEBAN (PCL)	3/21/22	1256
Relinquished by	SANTIESTEBAN (PCL)	3/21/22	1530
Received by			
Relinquished by			
Received in lab by		MAR 21 2022	1530

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0532

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	3/22/23	11:33	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.34/25.0°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 22 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (PAC)	3/22/22	11:38
Received by		MARIO SANTIESTEBAN (PCL)	3/22/22	1423
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/22/22	1545
Received by				
Relinquished by				
Received for lab by			MAR 22 2022	1545

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0563

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	03/23/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.88/18.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/23/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	3/23/22	1733
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/23/22	1650
Received by				
Relinquished by				
Received in lab by			MAR 23 2022	1650

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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.

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.#: 2260585

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/24/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.33/22.3°C
EFF	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

REVIEWED

MAR 29 2022

Gectracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	3/24/22	1135
Received by		MARIO SANTIESTEBAN	3/24/22	1338
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/24/22	1450
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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.#: 2206080

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

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	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	3/25/22	11:30	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	7.49/9.3
	11 11	11:30							
Geotracker EDD: Logcode: IPCI									
Global ID: WDR100000359									

REVIEWED
MAR 29 2022

Signature	Print Name (Company)	Date	Time
Relinquished by	LUCI WATSON (IPC)	3/27/22	11:40
Received by	MARIO SANTIESTEBAN (PCL)	3/25/22	1340
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/25/22	1555
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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-22 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.# : 22C0610-01) Collected: 26-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22626	1.8	26-Mar-22	28-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22626	1.8	26-Mar-22	28-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	26-Mar-22	26-Mar-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0616-01) Collected: 27-Mar-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22717	1.8	27-Mar-22	29-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22717	1.8	27-Mar-22	29-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	27-Mar-22	27-Mar-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**0.27 mg/l**	
EFF (Sample I.D.# : 22C0635-01) Collected: 28-Mar-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22828	1.8	28-Mar-22	31-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22828	1.8	28-Mar-22	31-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	28-Mar-22	28-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22C0694-01) Collected: 29-Mar-22 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22922	1.8	29-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22922	1.8	29-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	29-Mar-22	29-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	31-Mar-22	01-Apr-22	**0.11 mg/l**	

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab 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-Apr-22 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.# : 22C0751-01) Collected: 30-Mar-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC23034	1.8	30-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC23034	1.8	30-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	30-Mar-22	30-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	31-Mar-22	01-Apr-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0808-01) Collected: 31-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC23112	1.8	31-Mar-22	02-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC23112	1.8	31-Mar-22	02-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	31-Mar-22	31-Mar-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	31-Mar-22	01-Apr-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22D0024-01) Collected: 01-Apr-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD20109	1.8	01-Apr-22	03-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20109	1.8	01-Apr-22	03-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	01-Apr-22	01-Apr-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	01-Apr-22	01-Apr-22	**0.18 mg/l**	

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:42
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220610

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/26/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	3/26/22	11:55
Received by:	Richard Martinez (PCL)	3/26/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	3/26/22	1630

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0616

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	3-27-22	9:15	1	pH, T Res Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 15.9°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	E. MORRIS IPC	3-27-22	4:30
Received by	Juan Vasquez (PCL)	3-27-22	11:05
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	3-27-22	11:54

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200635

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/28/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	3/28/22	1120
Received by		Jonathan V. (Pat)	3/28	13:14
Relinquished by		Jonathan V. (Pat)	3/28	13:17
Received by				
Relinquished by				
Received in lab by		MAR 28 2022		13:13

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2206694

(MCC) Daily EFF

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

Project :

Address: Irvine CA 92618

Sampled by: Marie Aguirre
Ric Vardell/ Golan Ktir

P.O. #: 949-382-9067

Report Attention:

Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/29/22	11:16	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 | 16.7 - C
11	3/29/22	11:16	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	3/29/22	11:20
Received by		Cindy Martinez	3/29/22	1225
Relinquished by		Cindy Martinez	3/29/22	14:05
Received by				
Relinquished by				
Received for lab by			MAR 29 2022	1405

Sample Received Checklist

Temperature upon receipt: 7.1 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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200751

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/30/22	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 1201
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/30/22	1210
Received by		Cindy Murray	3/30/22	13:10
Relinquished by		Cindy Murray	3/30/22	1425
Received by				
Relinquished by				
Received in lab by			MAR 30 2022	1425

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0808

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/31/22	1760	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.10/17.7°C
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (SPC)	3/31/22	17:05
Received by	MARIO SANTIESTEBAN (PCL)	3/31/22	1755
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/31/22	1605
Received by			
Relinquished by			
Received in lab by		MAR 31 2022	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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0024

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/1/22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 18.2 °C
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (CPC)	4/1/22	11:30
Received by	[illegible]	4/1/22	16:20
Relinquished by	[illegible]	4/1/22	1555
Received by			
Relinquished by			
Received in lab by	APR 01 2022		1555

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 06-Apr-22 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.# : 22C0610-01) Collected: 26-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22626	1.8	26-Mar-22	28-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22626	1.8	26-Mar-22	28-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	26-Mar-22	26-Mar-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0616-01) Collected: 27-Mar-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22717	1.8	27-Mar-22	29-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22717	1.8	27-Mar-22	29-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC22831	0.1	27-Mar-22	27-Mar-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**0.27 mg/l**	
EFF (Sample I.D.# : 22C0635-01) Collected: 28-Mar-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22828	1.8	28-Mar-22	31-Mar-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22828	1.8	28-Mar-22	31-Mar-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	28-Mar-22	28-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC22834	0.05	28-Mar-22	29-Mar-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22C0694-01) Collected: 29-Mar-22 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC22922	1.8	29-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC22922	1.8	29-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	29-Mar-22	29-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	31-Mar-22	01-Apr-22	**0.11 mg/l**	

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab 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-Apr-22 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.# : 22C0751-01) Collected: 30-Mar-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC23034	1.8	30-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC23034	1.8	30-Mar-22	01-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	30-Mar-22	30-Mar-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	31-Mar-22	01-Apr-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22C0808-01) Collected: 31-Mar-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC23112	1.8	31-Mar-22	02-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC23112	1.8	31-Mar-22	02-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	31-Mar-22	31-Mar-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	31-Mar-22	01-Apr-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22D0024-01) Collected: 01-Apr-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD20109	1.8	01-Apr-22	03-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20109	1.8	01-Apr-22	03-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	01-Apr-22	01-Apr-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC23115	0.05	01-Apr-22	01-Apr-22	**0.18 mg/l**	

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:42
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab Director

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

For PCL to perform the services requested by Client, Client will provide and PCL will receive samples 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, ordinances or regulations (each of the foregoing hereinafter collectively referred to as "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 aircraft bacterial analysis, Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

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 servant of PCL, or any other representative of PCL. By any other person, entity or agency. Client acknowledges that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client incessantly, voluntarily and agrees that said data, information and reports are not to be asserted, or shall be used to assert upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, investments or commitments by the holders or any successors, assigns, underwriters, reinsurers, or reinsurers of, or liens upon the foregoing. Furthermore, Client, on behalf of itself and its officers, directors, employees, agents, successors and assigns, hereby releases, waives, discharges and covenants not to sue PCL, its officers, directors, employees, agents, successors and assigns from any and all liability, claims, losses or damages arising out of or in connection with, or resulting from, the publication by Client of such data, information and reports.

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220610

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/26/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	3/26/22	11:55
Received by:	Richard Martinez (PCL)	3/26/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	3/26/22	1630

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0616

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	3-27-22	9:15	1	pH, T Res Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 15.9°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	E. MORRIS IPC	3-27-22	4:30
Received by	Juan Vasquez (PCL)	3-27-22	11:05
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	3-27-22	11:54

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes / 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200635

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/28/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	3/28/22	1120
Received by		Jonathan V. (Pat)	3/28	13:14
Relinquished by		Jonathan V. (Pat)	3/28	13:17
Received by				
Relinquished by				
Received in lab by		MAR 28 2022		13:13

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2206694

(MCC) Daily EFF

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

Project :

Address: Irvine CA 92618

Sampled by: Marie Aguirre
Ric Vardell/ Golan Ktir

P.O. #: 949-382-9067

Report Attention:

Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/29/22	11:16	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 | 16.7 - C
11	3/29/22	11:16	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	3/29/22	11:20
Received by		Cindy Martinez	3/29/22	1225
Relinquished by		Cindy Martinez	3/29/22	14:05
Received by				
Relinquished by				
Received for lab by			MAR 29 2022	1405

Sample Received Checklist

Temperature upon receipt: 7.1 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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200751

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/30/22	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 1201
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/30/22	1210
Received by		Cindy Murray	3/30/22	13:10
Relinquished by		Cindy Murray	3/30/22	1425
Received by				
Relinquished by				
Received in lab by			MAR 30 2022	1425

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22C0808

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/31/22	1760	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.10/17.7°C
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (SPC)	3/31/22	17:05
Received by	MARIO SANTIESTEBAN (PCL)	3/31/22	1755
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/31/22	1605
Received by			
Relinquished by			
Received in lab by		MAR 31 2022	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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0024

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/1/22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 18.2 °C
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (CPC)	4/1/22	11:30
Received by	[illegible]	4/1/22	16:20
Relinquished by	[illegible]	4/1/22	1555
Received by			
Relinquished by			
Received in lab by	APR 01 2022		1555

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 12-Apr-22 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.# : 22D0061-01) Collected: 02-Apr-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AD20223	1.8	02-Apr-22	04-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20223	1.8	02-Apr-22	04-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	02-Apr-22	02-Apr-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD20631	0.05	06-Apr-22	06-Apr-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22D0072-01) Collected: 03-Apr-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AD20317	1.8	03-Apr-22	05-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20317	1.8	03-Apr-22	05-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	03-Apr-22	03-Apr-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD20631	0.05	06-Apr-22	06-Apr-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22D0118-01) Collected: 04-Apr-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AD20426	1.8	04-Apr-22	06-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20426	1.8	04-Apr-22	06-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD20524	0.1	04-Apr-22	04-Apr-22	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD20631	0.05	06-Apr-22	06-Apr-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22D0144-01) Collected: 05-Apr-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD20527	1.8	05-Apr-22	08-Apr-22	**2.0 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20527	1.8	05-Apr-22	08-Apr-22	**6.1 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	05-Apr-22	05-Apr-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD20631	0.05	06-Apr-22	06-Apr-22	**0.15 mg/l**	

Respectfully Submitted,

Stephen Sakai 4/12/2022
Lab 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: 12-Apr-22 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.# : 22D0221-01) Collected: 06-Apr-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD20629	1.8	06-Apr-22	08-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20629	1.8	06-Apr-22	08-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	06-Apr-22	06-Apr-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD20631	0.05	06-Apr-22	06-Apr-22	**0.19 mg/l**	
EFF (Sample I.D.# : 22D0282-01) Collected: 07-Apr-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD20719	1.8	07-Apr-22	09-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20719	1.8	07-Apr-22	09-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	07-Apr-22	07-Apr-22	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD20723	0.05	07-Apr-22	07-Apr-22	**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,



Stephen Sakai 4/12/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22DCCG1

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4-2-22	10:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1\ 11	4-2-22	10:25							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Luke Watson (IPC)	4-2-22	10:30
Received by	Richard Martinez (PCL)	4/2/22	10:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez (PCL)	4/2/22	1555

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0072

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature)
EFF	4-3-22	930	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	pH: Field 7.2 Lab
			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		E. MORRIS IPC	4-3-22	939
Received by		Juan V. (PCL)	4/3/22	10:06
Relinquished by		Juan V. (PCL)	4/3/22	11:11
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	4/3/22	11:12

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0118

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/4/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.7/57°C
EFF	4/4/22	1125	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
APR 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	4/4/22	1135
Received by:	Cindy Mahler	4.4.22	235
Relinquished by:	Cindy Mahler	4.4.22	1535
Received by:			
Relinquished by:			
Received by:		APR 04 2022	1535

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0144

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/5/22	11:13	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 22.5°C
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
APR 05 2022
By

Gectracker EDD:
Logcode: iPC!
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	4/5/22	11:18
Received by	Cindy Murphy	4-5-22	1215
Relinquished by	Cindy Murphy	4-5-22	1402
Received by			
Relinquished by			
Received at Lab by		APR 05 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210221

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/06/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C, ST	7.0/24.4
	1		1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 06 2022
By

Geotracker EDD:
Logcode: IPC!
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/06/22	1150
Received by		Cindy Martinez	4.6.22	1330
Relinquished by		Cindy Martinez	4.6.22	1450
Received by				
Relinquished by				
Received in lab by		APR 06 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2200282

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Ric Vardei / Golan Kfir	P.O. #: 949-382-3067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4-7-22	1301	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.7/26.4
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E MORRIS IPC	4-7-22	13:06
Received by	Cindy MARRU	4-7-22	13:06
Relinquished by	Cindy MARRU	4-7-22	2:50
Received by			
Relinquished by			
Received in lab by		APR 07 2022	1450

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Apr-22 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.# : 22D0299-01) Collected: 08-Apr-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD20810	1.8	08-Apr-22	10-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20810	1.8	08-Apr-22	10-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	08-Apr-22	08-Apr-22	**6.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21230	0.05	12-Apr-22	13-Apr-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22D0317-01) Collected: 09-Apr-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AD20921	1.8	09-Apr-22	11-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD20921	1.8	09-Apr-22	11-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	09-Apr-22	09-Apr-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21230	0.05	12-Apr-22	13-Apr-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22D0322-01) Collected: 10-Apr-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AD21009	1.8	10-Apr-22	12-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21009	1.8	10-Apr-22	12-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	10-Apr-22	10-Apr-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21230	0.05	12-Apr-22	13-Apr-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22D0340-01) Collected: 11-Apr-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21125	1.8	11-Apr-22	13-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21125	1.8	11-Apr-22	13-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21228	0.1	11-Apr-22	11-Apr-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21230	0.05	12-Apr-22	13-Apr-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 4/16/2022
Lab 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: 16-Apr-22 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.# : 22D0378-01) Collected: 12-Apr-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21229	1.8	12-Apr-22	15-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21229	1.8	12-Apr-22	15-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21509	0.1	12-Apr-22	12-Apr-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21230	0.05	13-Apr-22	13-Apr-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22D0399-01) Collected: 13-Apr-22 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21335	1.8	13-Apr-22	15-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21335	1.8	13-Apr-22	15-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21509	0.1	13-Apr-22	13-Apr-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21230	0.05	13-Apr-22	13-Apr-22	**0.28 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 4/16/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0279

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/8/22	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8 | 21.6 °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	LUKE WATSON (SPC)	4/8/22	11:25
Received by	Cindy Wong	4.8.22	1202
Relinquished by	Cindy Wong	4-8-22	1307
Received by			
Relinquished by			
Received in lab by	Alex Walker APR 08 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0317

(MCC) Daily EFF

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :**	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Daniel Huff, Rio Vander, Golan Kfir	**P.O. #:** 949-382-9067	
	Report Attention:	**Phone #:**	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/9/22	1000	1	pH, T Res Chlorine	Grab	AQ	500ml Plastic	4°C	
EFF	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Relinquished by / Received by / Relinquished by / Received by / Relinquished by / Received in lab by	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	4/9/22	1010
Received by		Richard Martinez (LA)	4/9/22	1010
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Richard Martinez (LA)	4/9/22	1630

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 22D0322

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	4-10-22	910	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	"	"	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	E. MORRIS IPC	4-10-22	940
Received by	Juan V. (PCL)	4/10/22	10:49
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	4/10/22	12:16

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220340

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huer	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	4/4/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.94/15.7°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		Daniel (IPC)	4/4/22	1125
Received by		MARJ. SANTIESTEBAN (PCL)	4/11/22	1237
Relinquished by		MARJ. SANTIESTEBAN (PCL)	4/11/22	1420
Received by				
Relinquished by				
Received in Lab by		Alex Wahnish APR 11 2022		1420

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0378

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	4/12/22	11:26	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	4/12/22	11:30
Received by		Jonathan V. (GAL)	4/12	12:00
Relinquished by		Jonathan V. (GAL)	4/12	13:25
Received by				
Relinquished by				
Received in lab by		APR 12 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0399

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	04/13/22	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 13 2022
By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/13/22	1205
Received by		Jonathan V. (PCL)	4/13	1205
Relinquished by		Jonathan V. (PCL)	4/13	1314
Received by				
Relinquished by				
Received in lab by		APR 13 2022		1314

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl 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: 28-Apr-22 14:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0445-01) Collected: 14-Apr-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21418	1.8	14-Apr-22	16-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21418	1.8	14-Apr-22	16-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21509	0.1	15-Apr-22	15-Apr-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21424	0.05	14-Apr-22	14-Apr-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22D0482-01) Collected: 15-Apr-22 By Kyle Vardel of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21508	1.8	15-Apr-22	17-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21508	1.8	15-Apr-22	17-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21927	0.1	15-Apr-22	15-Apr-22	**8.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD21514	0.05	15-Apr-22	15-Apr-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22D0495-01) Collected: 16-Apr-22 By Kyle Vardel of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21619	1.8	16-Apr-22	19-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21619	1.8	16-Apr-22	19-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21927	0.1	16-Apr-22	16-Apr-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22020	0.05	20-Apr-22	20-Apr-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22D0500-01) Collected: 17-Apr-22 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21719	1.8	17-Apr-22	19-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21719	1.8	17-Apr-22	19-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21927	0.1	17-Apr-22	17-Apr-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22020	0.05	20-Apr-22	20-Apr-22	**0.10 mg/l**	

Respectfully Submitted,

Stephen Sakai 4/28/2022
Lab 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: 28-Apr-22 14:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0513-01) Collected: 18-Apr-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21819	1.8	18-Apr-22	20-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21819	1.8	18-Apr-22	20-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD21927	0.1	18-Apr-22	18-Apr-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22020	0.05	20-Apr-22	20-Apr-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22D0551-01) Collected: 19-Apr-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD21928	1.8	19-Apr-22	22-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD21928	1.8	19-Apr-22	22-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	19-Apr-22	19-Apr-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22020	0.05	20-Apr-22	20-Apr-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22D0596-01) Collected: 20-Apr-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22025	1.8	20-Apr-22	22-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22025	1.8	20-Apr-22	22-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	20-Apr-22	20-Apr-22	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22110	0.05	21-Apr-22	22-Apr-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22D0618-01) Collected: 21-Apr-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22108	1.8	21-Apr-22	23-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22108	1.8	21-Apr-22	23-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	21-Apr-22	21-Apr-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22538	0.05	25-Apr-22	26-Apr-22	**0.08 mg/l**	

Respectfully Submitted,



Stephen Sakai 4/28/2022
Lab 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: 28-Apr-22 14:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0640-01) Collected: 22-Apr-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22207	1.8	22-Apr-22	24-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22207	1.8	22-Apr-22	24-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	22-Apr-22	22-Apr-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22538	0.05	25-Apr-22	26-Apr-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22D0650-01) Collected: 23-Apr-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22323	1.8	23-Apr-22	25-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22323	1.8	23-Apr-22	25-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	23-Apr-22	23-Apr-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22538	0.05	25-Apr-22	26-Apr-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22D0655-01) Collected: 24-Apr-22 By jv of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AD22421	1.8	24-Apr-22	26-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22421	1.8	24-Apr-22	26-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	24-Apr-22	24-Apr-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22538	0.05	25-Apr-22	26-Apr-22	**0.14 mg/l**	

Respectfully Submitted,

Stephen Sakai 4/28/2022
Lab 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

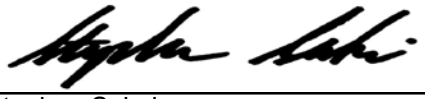
Attention: Ric Vardel
Report Date: 28-Apr-22 14:04
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 4/28/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0445

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/14/22	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.98/A. 7°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Golan Kfir	Golan IPC	4/14/22	1345
Received by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	4/14/22	1345
Relinquished by: Mario Santiesteban	MARIO SANTIESTEBAN (PCL)	4/14/22	1645
Received by:			
Relinquished by:			
Received in lab by: Alexander Jr.		APR 14 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample
Sample I.D.#: 22D0482

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Kyle Vardel
	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	4/15/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.23 / 8.3
			1	Total Coliform, Fecal Coliform	Grab	AQ	Ccii Bottle	4°C, ST	

RECEIVED
APR 15 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	4/15/22	1110
Received by		MARIO SANTIESTEBAN (PCL)	4/15/22	1323
Relinquished by		MARIO SANTIESTEBAN (PCL)	4/15/22	1445
Received by				
Relinquished by				
Received in lab by		APR 15 2022		1445

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0495

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Kyle Vardel
	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	4/16/22	1010	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	Kyle Vardel (IPC)	4/16/22	1015
Received by	Richard Mathews	4/16/22	1015
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Mathews (RG)	4/16/22	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 22D0500

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4-17-22	9:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
			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	E. MORRIS IPC	4-17-22	9:10
Received by	Juan V. (PCL)	4-17-22	9:28
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	4/17/22	10:50

Sample Received Checklist

Temperature upon receipt: 4.4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0513

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	4/18/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.55/20.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	4/18/22	1145
Received by	Armando Olmos (IPC)	4/19/22	12:45
Relinquished by	Armando Olmos (IPC)	4/19/22	14:30
Received by			
Relinquished by			
Received in lab by		APR 18 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0551

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Marie Aguirre	P.O. #:
Irvine	CA 92618	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	4/19/22	11:37	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.31/25.2
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	4/19/22	11:43
Received by		Armando Olmos (IPC)	4/19/22	12:30
Relinquished by		Armando Olmos (IPC)	4/19/22	14:30
Received by				
Relinquished by				
Received in lab by		APR 19 2022		1430

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0596

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/20/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.9 / 11.0 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/20/22	1140
Received by		Cindy Mabry	4.20.22	2:05
Relinquished by		Cindy Mabry	4.20.22	15:28
Received by				
Relinquished by				
Received in lab by		APR 20 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0618

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/21/22	1348	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.94/21.4
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 21 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	4/21/22	1350
Received by	MARIO SANTIESTEBAN (PCL)	4/21/22	1350
Relinquished by	MARIO SANTIESTEBAN (PCL)	4/21/22	1635
Received by			
Relinquished by			
Received in lab by	APR 21 2022		1635

Sample Received Checklist

Temperature upon receipt: 4.6

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0648

(MCC) Daily EFF

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

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	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1/	4/22/22	11:50	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.08/7.8
1 /	1 /	#09							

RECEIVED
APR 22 2022
By

Geotracker EDD:
Logcode: IPC
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	4/22/22	12:00
Received by:	MARIO SANTIESTEBAN (PCL)	4/22/22	1320
Relinquished by:	MARIO SANTIESTEBAN (PCL)	4/22/22	1505
Received by:			
Relinquished by:			
Received at lab by:	APR 22 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2206650

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/23/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Acules	Jesus Acules (IPC)	4/23/22	11:55
Received by:	Richard Matthews (Pdc)	4/23/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Matthews (Pdc)	4/23/22	1740

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0655

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	4-24-22	905	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8/10.6 oc
	↓	↓	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	E. MORRIS IPC	4-24-22	918
Received by	Juan Vazquez (PCL)	4/24/22	11:46
Relinquished by	Juan V. (PCL)	4/24/22	13:36
Received by			
Relinquished by			
Received in lab by	Juan V (PCL)	4/24/22	1338

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	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: 03-May-22 11:54
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0673-01) Collected: 25-Apr-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22530	1.8	25-Apr-22	27-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22530	1.8	25-Apr-22	27-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD22539	0.1	25-Apr-22	25-Apr-22	**8.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22538	0.05	25-Apr-22	26-Apr-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22D0698-01) Collected: 26-Apr-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22621	1.8	26-Apr-22	28-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22621	1.8	26-Apr-22	28-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20224	0.1	26-Apr-22	26-Apr-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22918	0.05	29-Apr-22	02-May-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22D0726-01) Collected: 27-Apr-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22735	1.8	27-Apr-22	29-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22735	1.8	27-Apr-22	29-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20224	0.1	27-Apr-22	27-Apr-22	**8.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22918	0.05	29-Apr-22	02-May-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22D0748-01) Collected: 28-Apr-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22810	1.8	28-Apr-22	30-Apr-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22810	1.8	28-Apr-22	30-Apr-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20224	0.1	28-Apr-22	28-Apr-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22918	0.05	29-Apr-22	02-May-22	**0.13 mg/l**	

Respectfully Submitted,



Stephen Sakai 5/3/2022
Lab 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-May-22 11:54
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0767-01) Collected: 29-Apr-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD22909	1.8	29-Apr-22	01-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD22909	1.8	29-Apr-22	01-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20224	0.1	29-Apr-22	29-Apr-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AD22918	0.05	29-Apr-22	02-May-22	**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,



Stephen Sakai 5/3/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0673

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	4/25/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.14/22.3°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	4/25/22	1140
Received by	MARIO SANTIESTEBAN (PCL)	4/25/22	1230
Relinquished by	MARIO SANTIESTEBAN (PCL)	4/25/22	1335
Received by			
Relinquished by			
Received in lab by	APR 25 2022		1335

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 22D0698

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Kyle Vardel	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	4/26/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.05/24.0°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
APR 26 2022
BY

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	4/26/22	1115
Received by	MARIO SANTIESTEBAN (PCL)	4/26/22	1238
Relinquished by	MARIO SANTIESTEBAN (PCL)	4/26/22	1515
Received by			
Relinquished by			
Received in Lab by		APR 26 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0726

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/27/22	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.31/23.5°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/27/22	1155
Received by		MARIO SAN ESTEBAN (PCL)	4/27/22	1312
Relinquished by		MARIO SAN ESTEBAN (PCL)	4/27/22	1445
Received by				
Relinquished by				
Received in Lab by		APR 27 2022		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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2220748

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huey	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9057

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/28/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.27/13.5 °C
~	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	4/28/22	1135
Received by	MARCO SANTIESTEBAN (PCL)	4/28/22	1217
Relinquished by	MARCO SANTIESTEBAN (PCL)	4/28/22	1445
Received by			
Relinquished by			
Received in lab by		APR 28 2022	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 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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220767

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/29/22	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.81/22.5°C
4	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
APR 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Dueñas	Jesus Dueñas	4/29/22	11:20
Received by:	MARSO SANTIESTEBAN (PCL)	4/29/22	1120
Relinquished by:	MARSO SANTIESTEBAN (PCL)	4/29/22	1455
Received by:			
Relinquished by:			
Received at lab by:	APR 29 2022		1445

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 06-May-22 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.# : 22D0791-01) Collected: 30-Apr-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AD23016	1.8	30-Apr-22	03-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AD23016	1.8	30-Apr-22	03-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20224	0.1	30-Apr-22	30-Apr-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20323	0.05	03-May-22	03-May-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22E0003-01) Collected: 01-May-22 By jv of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AE20124	1.8	01-May-22	04-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20124	1.8	01-May-22	04-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20224	0.1	01-May-22	01-May-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20323	0.05	03-May-22	03-May-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22E0025-01) Collected: 02-May-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20221	1.8	02-May-22	04-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20221	1.8	02-May-22	04-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20424	0.1	02-May-22	02-May-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20323	0.05	03-May-22	03-May-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22E0063-01) Collected: 03-May-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20326	1.8	03-May-22	06-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20326	1.8	03-May-22	06-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20424	0.1	03-May-22	03-May-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20519	0.05	05-May-22	06-May-22	**0.09 mg/l**	

Respectfully Submitted,



Stephen Sakai 5/6/2022
Lab 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-May-22 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.# : 22E0113-01) Collected: 04-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20430	1.8	04-May-22	06-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20430	1.8	04-May-22	06-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE20513	0.1	04-May-22	04-May-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20519	0.05	05-May-22	06-May-22	**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,



Stephen Sakai 5/6/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22D0791

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	4/30/22	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
4/									
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	4/30/22	11:50
Received by:	Richard Martinez (PCL)	4/30/22	1150
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	4/30/22	1740

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0003

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	5-1-22	850	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	"	"	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	E. Morales	5/1/22	8:55
Received by	Juan V. (PCL)	5/1/22	8:55
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	5/1/22	9:51

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0025

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huey	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	5/2/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.63/17.8°C
4	2	4	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	5/2/22	1120
Received by	MARCO SANTIESTEBAN (PCL)	5/2/22	1313
Relinquished by	MARCO SANTIESTEBAN (PCL)	5/2/22	1445
Received by			
Relinquished by			
Received in lab by		MAY 02 2022	1445

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample
Sample I.D.#: 22E0063

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Daily EFF	
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	5/3/22	11:59	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.65/18.5°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

REVIEWED
MAY 03 2022

Signature	Print Name - (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	5/3/22	12:10
Received by	MARIO SANTIESTEBAN (PCL)	5/3/22	1245
Relinquished by	MARIO SANTIESTEBAN (PCL)	5/3/22	1500
Received by	Stephen Sohi PCL	5.3.22	15:10
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
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.#: 22E0113

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-4-22	1133	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.75 / 17.6°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

REVIEWED
MAY 04 2022

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morkin IPC	5-4-22	1155
Received by		Juan Davis (PCL)	5/4/22	14:25
Relinquished by		Juan Davis (PCL)	5/4/22	17:00
Received by		Stephen Sakai PCL	5.4.22	17:15
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	**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-May-22 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.# : 22E0153-01) Collected: 05-May-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20510	1.8	05-May-22	07-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20510	1.8	05-May-22	07-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21037	0.1	05-May-22	05-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20519	0.05	05-May-22	06-May-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22E0176-01) Collected: 06-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20607	1.8	06-May-22	08-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20607	1.8	06-May-22	08-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21037	0.1	06-May-22	06-May-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20938	0.05	09-May-22	10-May-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22E0190-01) Collected: 07-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20726	1.8	07-May-22	09-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20726	1.8	07-May-22	09-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21037	0.1	07-May-22	07-May-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20938	0.05	09-May-22	10-May-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22E0198-01) Collected: 08-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20824	1.8	08-May-22	10-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20824	1.8	08-May-22	10-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21037	0.1	08-May-22	08-May-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20938	0.05	09-May-22	10-May-22	**0.19 mg/l**	

Respectfully Submitted,



Stephen Sakai 5/16/2022
Lab 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: 16-May-22 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.# : 22E0217-01) Collected: 09-May-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE20935	1.8	09-May-22	12-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE20935	1.8	09-May-22	12-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21037	0.1	09-May-22	09-May-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE20938	0.05	09-May-22	10-May-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22E0249-01) Collected: 10-May-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21031	1.8	10-May-22	13-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21031	1.8	10-May-22	13-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21037	0.1	10-May-22	10-May-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21138	0.05	11-May-22	12-May-22	**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,



Stephen Sakai 5/16/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0153

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Customer
	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	5/5/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.53 / 21.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	5/5/22	1140
Received by		Juan Nevis (PLL)	5/5/22	12:17
Relinquished by		Juan Nevis (PLL)	5/5/22	16:47
Received by				
Relinquished by				
Received in lab by			MAY 05 2022	1647

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220176

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5/6/22	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.27/23.5°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	5/6/22	11:30
Received by:	MARIO SANTIESTEBAN (PCL)	5/6/22	1214
Relinquished by:	MARIO SANTIESTEBAN (PCL)	5/6/22	1410
Received by:			
Relinquished by:			
Received in lab by:	MAY 06 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0190

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Jess 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	5/7/22	11:45	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: Jess Avalos	Jess Avalos (IPC)	5/7/22	11:50
Received by:	[illegible] (GG)	5/7/22	11:50
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	[illegible] (PG)	5/7/22	1705

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0198

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5-8-22	9 ~~26~~ one	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
			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		E. Morris	5/8/22	935
Received by		Juan V. (PCL)	5/8/22	9:54
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	5/8/22	10:49

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0217

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/9/22	12:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.29 19.8°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 11 2022
By

Geotracker EDD.
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan Kfir IPC	5/9/22	12:10
Received by	Juan Devis (PCL)	5/9/22	12:12
Relinquished by	Juan Devis (PCL)	5/9/22	15:55
Received by			
Relinquished by			
Received in lab by		MAY 11 2022	1555

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0249

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Kyle Vardel
	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	5/10/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.65/21.6 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Kyle Vardel (IPC)	5/10/22	1150
Received by	MARIO SANTIESTEBAN (PCL)	5/10/22	1308
Relinquished by	MARIO SANTIESTEBAN (PCL)	5/10/22	1455
Received by			
Relinquished by			
Received by	(PCL)	5/10/22	1455

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-May-22 12:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0285-01) Collected: 11-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21130	1.8	11-May-22	13-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21130	1.8	11-May-22	13-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21621	0.1	11-May-22	11-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21138	0.05	11-May-22	12-May-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22E0342-01) Collected: 12-May-22 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21209	1.8	12-May-22	14-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21209	1.8	12-May-22	14-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21621	0.1	12-May-22	12-May-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21629	0.05	16-May-22	16-May-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22E0363-01) Collected: 13-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21308	1.8	13-May-22	17-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21308	1.8	13-May-22	17-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21621	0.1	13-May-22	13-May-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21629	0.05	16-May-22	16-May-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22E0383-01) Collected: 14-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21429	1.8	14-May-22	17-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21429	1.8	14-May-22	17-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21621	0.1	14-May-22	14-May-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21629	0.05	16-May-22	16-May-22	**0.19 mg/l**	

Respectfully Submitted,

Stephen Sakai 5/20/2022
Lab 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: 20-May-22 12:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0390-01) Collected: 15-May-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21726	1.8	15-May-22	20-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21726	1.8	15-May-22	20-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE21621	0.1	15-May-22	15-May-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21629	0.05	16-May-22	16-May-22	**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,



Stephen Sakai 5/20/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 122E0285

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-11-22	1035	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	5-11-22	1123
Received by		Juan Deris (PCL)	5-11	13:00
Relinquished by		Juan Deris (PCL)	5-11	17:21
Received by				
Relinquished by				
Received in lab by		MAY 11 2022		1721

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0342

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	05/12/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.44 23.3°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/12/22	1135
Received by		Juan Devis (PCL)	5/12/22	1320
Relinquished by		Juan Devis (PCL)	5/12/22	16:57
Received by				
Relinquished by				
Received in lab by			MAY 12 2022	1657

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0363

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	5/13/22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.69/23.4 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	5/13/22	11:30
Received by:	MARIO SANTIESTEBAN (PCL)	5/13/22	1320
Relinquished by:	MARIO SANTIESTEBAN	5/13/22	1445
Received by:			
Relinquished by:			
Received in lab by:	MAY 13 2022		1445

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0383

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Jesus Avalos	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	5/14/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	5/14/22	11:55
Received by:	Richard Martinez (Pat)	5/14/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (Pat)	5/14/22	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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0390

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	5/15/22	0940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 15 2022
By Alex Walkin Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	5/15/22	0945
Received by				
Relinquished by				
Received by	Alex Walkin Jr	Alex Walkin Jr	5/15/22	12:20
Relinquished by				
Received by	Alex Walkin Jr.		MAY 15 2022	1630

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 25-May-22 09:22
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0404-01) Collected: 16-May-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21726	1.8	16-May-22	20-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21726	1.8	16-May-22	20-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	16-May-22	16-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21629	0.05	16-May-22	16-May-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22E0441-01) Collected: 17-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21726	1.8	17-May-22	20-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21726	1.8	17-May-22	20-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	17-May-22	17-May-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21918	0.05	19-May-22	19-May-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22E0489-01) Collected: 18-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21830	1.8	18-May-22	20-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21830	1.8	18-May-22	20-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	18-May-22	18-May-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21918	0.05	19-May-22	19-May-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22E0518-01) Collected: 19-May-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE21913	1.8	19-May-22	21-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE21913	1.8	19-May-22	21-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	19-May-22	19-May-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE21918	0.05	19-May-22	19-May-22	**0.13 mg/l**	

Respectfully Submitted,

Stephen Sakai 5/25/2022
Lab 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-May-22 09:22
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0545-01) Collected: 20-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22011	1.8	20-May-22	22-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22011	1.8	20-May-22	22-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	20-May-22	20-May-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE22019	0.05	20-May-22	20-May-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22E0559-01) Collected: 21-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22127	1.8	21-May-22	23-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22127	1.8	21-May-22	23-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	21-May-22	21-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE22331	0.05	23-May-22	23-May-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22E0567-01) Collected: 22-May-22 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22223	1.8	22-May-22	24-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22223	1.8	22-May-22	24-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AE22327	0.1	22-May-22	22-May-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE22331	0.05	23-May-22	23-May-22	**0.12 mg/l**	

Respectfully Submitted,

Stephen Sakai 5/25/2022
Lab 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-May-22 09:22
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 5/25/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0404

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
~~EFF~~	5/16/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.46 18.8°C
EFF	"	"	1	~~Total Coliform, Fecal Coliform~~	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 16 2022
By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	5/16/22	1135
Received by		Juan Nevis (PCL)	5/16/22	12:29
Relinquished by		Juan Nevis (PCL)	5/16/22	15:54
Received by				
Relinquished by				
Received in lab by			MAY 16 2022	15:54

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0441

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5-17-22	12/2	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.56 23.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris IPC	5-17-22	1230
Received by		Juan Denis (PCL)	5/17/22	12:45
Relinquished by		Juan Denis (PCL)	5/17/22	14:37
Received by				
Relinquished by				
Received in Lab by			MAY 17 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0489

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5-18-22	1156	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.60 22.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	5-18-22	1210
Received by	Juan Davis (PCL)	5/18/22	13:35
Relinquished by	Juan Davis (PCL)	5/18/22	16:40
Received by			
Relinquished by			
Received in lab by		MAY 18 2022	1640

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: AY22 E0518

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/19/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49 17.2°C
EFF	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 19 2022
By

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	5/19/22	1115
Received by		Juan Revis (PCL)	5/19/22	15:17
Relinquished by		Juan Revis (PCL)	5/19/22	14:56
Received by				
Relinquished by				
Received in lab by		MAY 19 2022		1456

Sample Received Checklist

Temperature upon receipt:	4°c
# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0545

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5/20/22	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.86 / 19.1 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	5/20/22	11:40
Received by:	MARIO SANTIESTEBAN (PCL)	5/20/22	1250
Relinquished by:	MARIO SANTIESTEBAN (PCL)	5/20/22	1420
Received by:			
Relinquished by:			
Received in lab by:	MAY 20 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0559

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5/21/22	11:35	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: Jesus Avalos	Jesus Avalos (IPC)	5/21/22	11:50
Received by:	Richard Martinez (PC)	5/21/22	1150
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PC)	5/21/22	1520

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0567

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5-22-22	930	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	"	"	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	E. MORRIS IPC	5-22-22	940
Received by	Juan V. (PCL)	5/22/22	11:00
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	5/22/22	13:02

Sample Received Checklist

Temperature upon receipt: yes

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Jun-22 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.# : 22E0586-01) Collected: 23-May-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22324	1.8	23-May-22	25-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22324	1.8	23-May-22	25-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	23-May-22	23-May-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE22331	0.05	23-May-22	23-May-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22E0608-01) Collected: 24-May-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22422	1.8	24-May-22	26-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22422	1.8	24-May-22	26-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	24-May-22	24-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE22428	0.05	24-May-22	26-May-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22E0639-01) Collected: 25-May-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22530	1.8	25-May-22	27-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22530	1.8	25-May-22	27-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	25-May-22	25-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE22428	0.05	26-May-22	26-May-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22E0681-01) Collected: 26-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22609	1.8	26-May-22	28-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22609	1.8	26-May-22	28-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	26-May-22	26-May-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE23128	0.05	31-May-22	31-May-22	**0.10 mg/l**	

Respectfully Submitted,

Stephen Sakai 6/3/2022
Lab 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-Jun-22 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.# : 22E0701-01) Collected: 27-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22712	1.8	27-May-22	29-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22712	1.8	27-May-22	29-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	27-May-22	27-May-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE23128	0.05	31-May-22	31-May-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22E0718-01) Collected: 28-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22804	1.8	28-May-22	31-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22804	1.8	28-May-22	31-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	28-May-22	28-May-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE23128	0.05	31-May-22	31-May-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22E0722-01) Collected: 29-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE22925	1.8	29-May-22	31-May-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE22925	1.8	29-May-22	31-May-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	29-May-22	29-May-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE23128	0.05	31-May-22	31-May-22	**0.15 mg/l**	

Respectfully Submitted,



Stephen Sakai 6/3/2022
Lab 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

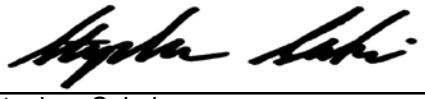
Attention: Ric Vardel
Report Date: 03-Jun-22 11:28
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 6/3/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0586

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huey	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9057

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	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.62 14.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	5/23/22	1140
Received by		Juan Reyes (PCL)	5/23/22	12:34
Relinquished by		Juan Reyes (PCL)	5/23/22	15:40
Received by				
Relinquished by				
Received in lab by			MAY 23 2022	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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0608

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/24/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.52 26.2°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	5/24/22	1125
Received by	Juan Deniz (PCL)	5/24/22	12:40
Relinquished by	Juan Deniz (PCL)	5/24/22	15:47
Received by			
Relinquished by			
Received in lab by		MAY 24 2022	1547

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22EQ639

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	05/25/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.52/22.5°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/25/22	1150
Received by		Juan Davis (PCL)	05-25-22	12:44
Relinquished by		Juan Davis (PCL)	05-25-22	15:37
Received by				
Relinquished by				
Received by lab by		MAY 25 2022		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
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0681

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	E Morris
	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	5-26-22	1126	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.41 / 23.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 26 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E Morris	E. MORRIS IPC	5-26-22	1137
Received by: AO	Armando Olmos (PCL)	5/26/22	12:15
Relinquished by: AO	Armando Olmos (PCL)	5/26/22	14:55
Received by:			
Relinquished by:			
Received in lab by:	MAY 26 2022		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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0701

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Jesy 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	5/27/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.78/23.8 °C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Jesy Avalos	Jesy Avalos (IPC)	5/27/22	11:35
Received by		MARIA SANTIESTEBAN (PCL)	5/27/22	1548
Relinquished by		MARIO SANTIESTEBAN (PCL)	5/27/22	1530
Received by				
Relinquished by				
Received (Lab) by			MAY 27 2022	1530

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0718

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5/28/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	
4	4	4							
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	5/28/22	11:55
Received by:	Richard Martinez (PCL)	5/28/22	1215
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	5/28/22	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
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 22E

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	5-29-22	859	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	"	"	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		E. MORRIS IPC	5/29/22	9:00
Received by		Juan V. (PCL)	5/29/22	9:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	5/29/22	9:44

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	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-Jun-22 19:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0738-01) Collected: 30-May-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE23124	1.8	31-May-22	03-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE23124	1.8	31-May-22	03-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	30-May-22	30-May-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE23128	0.05	31-May-22	31-May-22	**0.21 mg/l**	
EFF (Sample I.D.# : 22E0751-01) Collected: 31-May-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AE23124	1.8	31-May-22	03-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AE23124	1.8	31-May-22	03-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	31-May-22	31-May-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AE23128	0.05	31-May-22	31-May-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22F0032-01) Collected: 01-Jun-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20134	1.8	01-Jun-22	03-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20134	1.8	01-Jun-22	03-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20212	0.1	01-Jun-22	01-Jun-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20216	0.05	02-Jun-22	02-Jun-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22F0065-01) Collected: 02-Jun-22 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20213	1.8	02-Jun-22	04-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20213	1.8	02-Jun-22	04-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20634	0.1	02-Jun-22	02-Jun-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20216	0.05	02-Jun-22	02-Jun-22	**0.14 mg/l**	

Respectfully Submitted,



Stephen Sakai 6/6/2022
Lab 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-Jun-22 19:47
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0090-01) Collected: 03-Jun-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20308	1.8	03-Jun-22	05-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20308	1.8	03-Jun-22	05-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20634	0.1	03-Jun-22	03-Jun-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20639	0.05	06-Jun-22	06-Jun-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22F0110-01) Collected: 04-Jun-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AF20424	1.8	04-Jun-22	06-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20424	1.8	04-Jun-22	06-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20634	0.1	04-Jun-22	04-Jun-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20639	0.05	06-Jun-22	06-Jun-22	**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,



Stephen Sakai 6/6/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0738

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: E. MORRIS	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	5/30/22	920	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 17.3
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS / IPC	5/30/22	930
Received by		Cindy Mapping	5-30-22	11:15
Relinquished by		Cindy Mapping	5-30-22	12:10
Received by				
Relinquished by				
Received in Lab by		MAY 30 2022		1210

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22E0751

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5-31-22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.42 / 21.1°C
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 3 1 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	5-31-22	1158
Received by		Juan Devis (PCL)	5/31-22	13:26
Relinquished by		Juan Devis (PCL)	5/31/22	17:11
Received by				
Relinquished by				
Received in Lab by			MAY 3 1 2022	1711

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0032

(MCC) Daily EFF

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	06/01/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.93/23.7°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
JUN 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Relinquished by / Received by	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/01/22	1130
Received by		MARIO SANTIESTEBAN (PCL)	6/1/22	1246
Relinquished by		MARIO SANTIESTEBAN (PCL)	6/1/22	1430
Received by				
Relinquished by				
Received in lab by			JUN 01 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0065

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Luke WATSON
	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	6/2/22	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49/27.4°C
	6/2/22	11:35	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Luke WATSON (CPPC)	6/2/22	11:40
Received by	Juan Davis (PLL)	6/2/22	12:14
Relinquished by	Juan Davis (PLL)	6/2/22	15:00
Received by			
Relinquished by			
Received at lab by	JUN 02 2022		1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0090

(MCC) Daily EFF

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive
Address: Irvine CA 92618

Project :
Sampled by: Carlos Alvarez
Ric Vardel / Golan Kfir
Report Attention:

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

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	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1	06/03/22	1140	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.58/23.4°C

RECEIVED
JUN 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/03/22	1150
Received by		Armando Olmos (PCL)	6/3/22	12:10
Relinquished by		Armando Olmos (PCL)	6/3/22	14:35
Received by				
Relinquished by				
Received at lab by		JUN 03 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0110

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
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	6/4/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	6/4/22	11:55
Received by:	Richard Martinez (PCL)	6/4/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	6/4/22	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 08:36
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0119-01) Collected: 05-Jun-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AF20514	1.8	05-Jun-22	07-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20514	1.8	05-Jun-22	07-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20634	0.1	06-Jun-22	06-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20639	0.05	06-Jun-22	06-Jun-22	**0.19 mg/l**	
EFF (Sample I.D.# : 22F0135-01) Collected: 06-Jun-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20635	1.8	06-Jun-22	08-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20635	1.8	06-Jun-22	08-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20910	0.1	06-Jun-22	06-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20639	0.05	06-Jun-22	06-Jun-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22F0160-01) Collected: 07-Jun-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20730	1.8	07-Jun-22	10-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20730	1.8	07-Jun-22	10-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20910	0.1	07-Jun-22	07-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20733	0.05	07-Jun-22	07-Jun-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22F0202-01) Collected: 08-Jun-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20833	1.8	08-Jun-22	10-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20833	1.8	08-Jun-22	10-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF20910	0.1	08-Jun-22	08-Jun-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20839	0.05	08-Jun-22	08-Jun-22	**0.14 mg/l**	

Respectfully Submitted,

Stephen Sakai 6/15/2022
Lab 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: 15-Jun-22 08:36
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0240-01) Collected: 09-Jun-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF20911	1.8	09-Jun-22	11-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF20911	1.8	09-Jun-22	11-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF21424	0.1	09-Jun-22	09-Jun-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF20918	0.05	09-Jun-22	09-Jun-22	**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,



Stephen Sakai 6/15/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0119

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	E Morris
	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	6-5-22	925	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 - 14.2C
	"	"	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	E Morris	E. MORRIS IPC	6-5-22	929
Received by		Cindy Marcus	6-5-22	1131
Relinquished by		Cindy Marcus	6-5-22	1225
Received by				
Relinquished by				
Received in lab by		MARCO SANTIESTEBAN (PCL)	6/5/22	1225

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0135

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Hwy
		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	6/6/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.53/25.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	6/6/22	1115
Received by		Juan Devis (PCL)	6/6/22	17:14
Relinquished by		Juan Devis (PCL)	6/6/22	16:14
Received by				
Relinquished by				
Received at lab by		MAY 06 2022		16:12

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0160

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	6/7/22	11:39	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.51/25.4 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (GR)	6/7/22	11:44
Received by	Juan Davis (PCL)	6/7/22	13:20
Relinquished by	Juan Davis (PCL)	6/7/22	18:08
Received by			
Relinquished by			
Received by		MAY 07 2022	1808

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0202

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	5-8-22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.56 / 25.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 08 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	5-8-22	1133
Received by	Juan Nevis (PCL)	5-8-22	12:18
Relinquished by	Juan Nevis (PCL)	5-8-22	16:28
Received by			
Relinquished by			
Received at lab by		MAY 08 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22 F0240

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	6/9/22	1050	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.60/21.1°C
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAY 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	6/9/22	1055
Received by		Juan Nevis (IPC)	6/9/22	11:55
Relinquished by		Juan Nevis (IPC)	6/9/22	15:55
Received by				
Relinquished by				
Received in lab by		MAY 09 2022		1555

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 20-Jun-22 16:24
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0271-01) Collected: 10-Jun-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21013	1.8	10-Jun-22	12-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21013	1.8	10-Jun-22	12-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF21424	0.1	10-Jun-22	10-Jun-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21018	0.05	10-Jun-22	10-Jun-22	**0.19 mg/l**	
EFF (Sample I.D.# : 22F0289-01) Collected: 11-Jun-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21121	1.8	11-Jun-22	13-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21121	1.8	11-Jun-22	13-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF21424	0.1	11-Jun-22	11-Jun-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21325	0.05	13-Jun-22	13-Jun-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22F0298-01) Collected: 12-Jun-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21319	1.8	13-Jun-22	15-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21319	1.8	13-Jun-22	15-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF21424	0.1	12-Jun-22	12-Jun-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21325	0.05	13-Jun-22	13-Jun-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22F0316-01) Collected: 13-Jun-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21319	1.8	13-Jun-22	15-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21319	1.8	13-Jun-22	15-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF21424	0.1	13-Jun-22	13-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21325	0.05	13-Jun-22	13-Jun-22	**0.13 mg/l**	

Respectfully Submitted,

Stephen Sakai 6/20/2022
Lab 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: 20-Jun-22 16:24
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 6/20/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0271

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	06/10/22	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 7.8
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRC)	06/10/22	1155
Received by		Cindy Marrone	6-10-22	1247
Relinquished by		Cindy Marrone	6-10-22	1355
Received by				
Relinquished by				
Received by		JUN 10 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22FO289

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Daily EFF**
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	6/11/22	11:55	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: Jesus Avalos	Jesus Avalos (IPC)	6/11/22	12:00
Received by:	Richard Martinez (PCL)	6/11/22	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	6/11/22	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0298

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field, Lab
EFF	6-12-22	925	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4/14.3
			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		E. MORRIS IPC	6-12-22	932
Received by		Cindy Warner	6-12-22	1133
Relinquished by		Cindy Warner	6-12-22	12:26
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/12/22	1226

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0316

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	6/13/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	6/13/22	1120
Received by		Juan Deviš (PCL)	6/13/22	12:46
Relinquished by		Juan Deviš (PCL)	6/13/22	15:00
Received by				
Relinquished by				
Received in Lab by		JUN 13 2022		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.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 17:13
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0353-01) Collected: 14-Jun-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21429	1.8	14-Jun-22	17-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21429	1.8	14-Jun-22	17-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22030	0.1	14-Jun-22	14-Jun-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21434	0.05	14-Jun-22	14-Jun-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22F0404-01) Collected: 15-Jun-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21544	1.8	15-Jun-22	17-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21544	1.8	15-Jun-22	17-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22030	0.1	15-Jun-22	15-Jun-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21548	0.05	15-Jun-22	15-Jun-22	**0.18 mg/l**	
EFF (Sample I.D.# : 22F0455-01) Collected: 16-Jun-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21617	1.8	16-Jun-22	19-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21617	1.8	16-Jun-22	19-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22030	0.1	16-Jun-22	16-Jun-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21719	0.05	16-Jun-22	17-Jun-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22F0484-01) Collected: 17-Jun-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21713	1.8	17-Jun-22	19-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21713	1.8	17-Jun-22	19-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22030	0.1	17-Jun-22	17-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF21719	0.05	17-Jun-22	17-Jun-22	**0.15 mg/l**	

Respectfully Submitted,

Stephen Sakai 6/29/2022
Lab 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: 29-Jun-22 17:13
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0508-01) Collected: 18-Jun-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF21821	1.8	18-Jun-22	20-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF21821	1.8	18-Jun-22	20-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22030	0.1	18-Jun-22	18-Jun-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22035	0.05	20-Jun-22	20-Jun-22	**0.26 mg/l**	
EFF (Sample I.D.# : 22F0517-01) Collected: 19-Jun-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AF22033	1.8	20-Jun-22	22-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22033	1.8	20-Jun-22	22-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22030	0.1	19-Jun-22	19-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22035	0.05	20-Jun-22	20-Jun-22	**0.32 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Stephen Sakai 6/29/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0353

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	6/14/22	11:38	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/14/22	11:42
Received by		Juan Devis (PCL)	6/14/22	13:52
Relinquished by		Juan Devis (PCL)	6/14/22	17:30
Received by				
Relinquished by				
Received in Lab by			JUN 14 2022	17:30

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0404

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	6-15-22	1010	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.41/24.0°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. MORRIS IPC	6-15-22	1045
Received by: Juan Davis	Juan Davis IPC	6-15-22	12:51
Relinquished by: Juan Davis	Juan Davis IPC	6-15-22	17:00
Received by:			
Relinquished by:			
Received at lab by: Al Medrano Jr.	JUN 15 2022		1700

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0455

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	6/16/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.27/7.84 °C
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	6/16/22	1125
Received by	MARIO SANTESTEBAN (PCL)	6/16/22	1242
Relinquished by	MARIO SANTESTEBAN (PCL)	6/16/22	1255
Received by			
Relinquished by			
Received (Lab) by		JUN 16 2022	1358

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0484

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Caibs 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	06/17/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 25.9
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Caibs Alvarez (IPC)	06/17/22	1140
Received by		Cindy Martinez	6-17-22	1135 1140
Relinquished by		Cindy Martinez	6-17-22	1245
Received by				
Relinquished by				
Received at lab by			JUN 17 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0508

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Jesus Avalos	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	6/18/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	6/18/22	11:55
Received by:	Richard Matthews (FedEx)	6/18/22	1205
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Matthews (FedEx)	6/18/22	1520

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0517

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	EMorris
	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	6-19-22	930	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	16.9

RECEIVED
JUN 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: EMorris	E. MORRIS IPC	6-19-22	1020
Received by: Cindy Murray	Cindy Murray	6.19.22	11:45
Relinquished by:	Cindy Murray	6-19-22	13:00
Received by:			
Relinquished by:			
Received by:	JUN 19 2022		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
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: 01-Jul-22 10:06
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0539-01) Collected: 20-Jun-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AF22033	1.8	20-Jun-22	22-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22033	1.8	20-Jun-22	22-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22933	0.1	20-Jun-22	20-Jun-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22035	0.05	20-Jun-22	20-Jun-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22F0566-01) Collected: 21-Jun-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AF22141	1.8	21-Jun-22	24-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22141	1.8	21-Jun-22	24-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22933	0.1	21-Jun-22	21-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22144	0.05	21-Jun-22	21-Jun-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22F0608-01) Collected: 22-Jun-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22222	1.8	22-Jun-22	24-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22222	1.8	22-Jun-22	24-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22933	0.1	22-Jun-22	22-Jun-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22230	0.05	22-Jun-22	22-Jun-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22F0635-01) Collected: 23-Jun-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22312	1.8	23-Jun-22	25-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22312	1.8	23-Jun-22	25-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF22933	0.1	23-Jun-22	23-Jun-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22314	0.05	23-Jun-22	23-Jun-22	**0.19 mg/l**	

Respectfully Submitted,



Stephen Sakai 7/1/2022
Lab 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: 01-Jul-22 10:06
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 7/1/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0539

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	06/20/22	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.68/22.2°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/20/22	1155
Received by		Juan Devis (PLL)	6/20/22	12:41
Relinquished by		Juan Devis (PLL)	6/20/22	15:16
Received by				
Relinquished by				
Received by			JUN 20 2022	15:15

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0566

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Daily EFF**
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	6-21-22	1119	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.47 26.1°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	E. MORRIS IPC	6-21-22	1142
Received by	Juan Devis (PCL)	6-21-22	11:56
Relinquished by	Juan Devis (PCL)	6-21-22	15:12
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	6/21/22	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0608

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	EMURRAY
	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	6-22-22 emurray	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45/ 23.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 22 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by EMURRAY	E. MURRAY IPC	6-22-22	1130
Received by	Juan Davis (PCL)	6-22-22	12:16
Relinquished by	Juan Davis (PCL)	6-22-22	15:50
Received by			
Relinquished by			
Received in lab by		JUN 22 2022	1550

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0635

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Daily EFF**
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	6/23/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	6/23/22	1135
Received by		Juan Reyes (PCL)	6/23/22	1205
Relinquished by		Juan Reyes (PCL)	6/23/22	15:57
Received by				
Relinquished by				
Received in lab by			JUN 23 2022	1557

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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

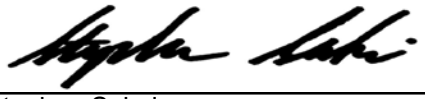
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jul-22 11:39
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0662-01) Collected: 24-Jun-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22414	1.8	24-Jun-22	26-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22414	1.8	24-Jun-22	26-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF23007	0.1	24-Jun-22	24-Jun-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22418	0.05	24-Jun-22	24-Jun-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22F0687-01) Collected: 25-Jun-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22519	1.8	25-Jun-22	27-Jun-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22519	1.8	25-Jun-22	27-Jun-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF23007	0.1	25-Jun-22	25-Jun-22	**8.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22734	0.05	27-Jun-22	27-Jun-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22F0701-01) Collected: 26-Jun-22 By CM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AF22731	1.8	27-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22731	1.8	27-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF23007	0.1	26-Jun-22	26-Jun-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22734	0.05	27-Jun-22	27-Jun-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22F0715-01) Collected: 27-Jun-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22731	1.8	27-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22731	1.8	27-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF23007	0.1	27-Jun-22	27-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22734	0.05	27-Jun-22	27-Jun-22	**0.17 mg/l**	

Respectfully Submitted,



Stephen Sakai 7/6/2022
Lab 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-22 11:39
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0744-01) Collected: 28-Jun-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22837	1.8	28-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22837	1.8	28-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF23007	0.1	28-Jun-22	28-Jun-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22844	0.05	28-Jun-22	28-Jun-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22F0765-01) Collected: 29-Jun-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF22935	1.8	29-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF22935	1.8	29-Jun-22	01-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF23007	0.1	29-Jun-22	29-Jun-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF22937	0.05	29-Jun-22	29-Jun-22	**0.20 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 7/6/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22FO662

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	06/24/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.69/21.1°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/24/22	1135
Received by		Armando Olmos (PCL)	6/24/22	12:15
Relinquished by		Armando Olmos (PCL)	6/24/22	13:55
Received by				
Relinquished by				
Received in lab by		JUN 24 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0687

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Daily EFF**
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	6/25/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500m 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: Jesus Avalos	Jesus Avalos (IPC)	6/25/22	11:55
Received by:	Richard Martinez (PCL)	6/25/22	1210
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	6/25/22	1620

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0701

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	6-26-22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 21.3 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	6-26-22	950
Received by	Cindy Manning	6-26-22	12:15
Relinquished by	Cindy Manning	6-26-22	3:15
Received by			
Relinquished by			
Received (lab) by		JUN 26 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0715

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Daily EFF**
Address:	9297 Research Drive	Sampled by:	Daniel Hug
	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	6/21/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.50/23.8°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	Daniel Hug	Daniel (IPC)	6/21/22	1105
Received by		Juan Nevis (IPC)	6/27/22	12:02
Relinquished by		Juan Nevis (IPC)	6/27/22	15:20
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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0744

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	6/28/22	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	

RECEIVED
JUN 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/28/22	11:35
Received by		Juan Devis (IPC)	6/28/22	12:33
Relinquished by		Juan Devis (IPC)	6/28/22	15:39
Received by				
Relinquished by				
Received in Lab by			JUN 28 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0765

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	G. 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	6-29-22	1054	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.53/25.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris IPC	6-29-22	1145
Received by	Juan Davis (PCL)	6-29-22	12:03
Relinquished by	Juan Davis (PCL)	6-29-22	14:45
Received by			
Relinquished by			
Received in lab by		JUN 29 2022	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	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: 11-Jul-22 14:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0796-01) Collected: 30-Jun-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF23014	1.8	30-Jun-22	02-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF23014	1.8	30-Jun-22	02-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	30-Jun-22	30-Jun-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF23016	0.05	30-Jun-22	30-Jun-22	**0.20 mg/l**	
EFF (Sample I.D.# : 22G0007-01) Collected: 01-Jul-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20110	1.8	01-Jul-22	03-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20110	1.8	01-Jul-22	03-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	01-Jul-22	01-Jul-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20114	0.05	01-Jul-22	01-Jul-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22G0018-01) Collected: 02-Jul-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AG20235	1.8	02-Jul-22	05-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20235	1.8	02-Jul-22	05-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	02-Jul-22	02-Jul-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20533	0.05	05-Jul-22	05-Jul-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22G0024-01) Collected: 03-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20323	1.8	03-Jul-22	05-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20323	1.8	03-Jul-22	05-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	03-Jul-22	03-Jul-22	**8.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20533	0.05	05-Jul-22	05-Jul-22	**0.17 mg/l**	

Respectfully Submitted,

Stephen Sakai 7/11/2022
Lab 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-Jul-22 14:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0032-01) Collected: 04-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20528	1.8	05-Jul-22	08-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20528	1.8	05-Jul-22	08-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	04-Jul-22	04-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20533	0.05	05-Jul-22	05-Jul-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22G0073-01) Collected: 05-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20528	1.8	05-Jul-22	08-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20528	1.8	05-Jul-22	08-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	05-Jul-22	05-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20533	0.05	05-Jul-22	05-Jul-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22G0109-01) Collected: 06-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20627	1.8	06-Jul-22	08-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20627	1.8	06-Jul-22	08-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG20714	0.1	06-Jul-22	06-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20632	0.05	06-Jul-22	06-Jul-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22G0157-01) Collected: 07-Jul-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20716	1.8	07-Jul-22	09-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20716	1.8	07-Jul-22	09-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21130	0.1	07-Jul-22	07-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20717	0.05	07-Jul-22	07-Jul-22	**0.14 mg/l**	

Respectfully Submitted,



Stephen Sakai 7/11/2022
Lab 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-Jul-22 14:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0187-01) Collected: 08-Jul-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG20813	1.8	08-Jul-22	10-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG20813	1.8	08-Jul-22	10-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21130	0.1	08-Jul-22	08-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG20827	0.05	08-Jul-22	08-Jul-22	**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,



Stephen Sakai 7/11/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0796

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	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	6/30/22	12:06	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUN 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/30/22	12:10
Received by		Juan Davis (PCL)	6/30/22	12:13
Relinquished by		Juan Davis PCL	6/30/22	13:35
Received by				
Relinquished by				
Received for Lab by			JUN 30 2022	1335

Sample Received Checklist

Temperature upon receipt:	Y/C	
# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260007

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/01/22	1150	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
JUL 01 2022

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRE)	07/01/22	1158
Received by		Jonathan V. (PCL)	07/01	12:09
Relinquished by		Jonathan V. (PCL)	07/1	1325
Received by				
Relinquished by				
Received in lab by			JUL 01 2022	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
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 226-0018

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	7/2/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	7/2/22	11:55
Received by:	Richard Martinez (PCL)	7/2/22	1215
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	07/02/22	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.

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.#: 2260024

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

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: E. Morris
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	7-3-22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8 T 16.2 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. MORRIS IPC	7-3-22	945
Received by: CM	Cindy MARTINEZ	7.3.22	11:15
Relinquished by: CM	Cindy MARTINEZ	7.3.22	1245
Received by			
Relinquished by			
Received in lab by:		JUL 03 2022	12:45

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260032

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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) QW
EFF	7-4-22	1000	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	pH: 7.48
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	Temp: 5.3°c

RECEIVED
JUL 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. WORRIS	7-4-22	1015
Received by		Alex Walker Jr	7-4-22	1320
Relinquished by				
Received by				
Relinquished by				
Received in lab by			JUL 04 2022	1530

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 226@073

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	7-5-22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45/23.2°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris	7-5-22	1134
Received by		Juan Deris (PCL)	7-5-22	12:42
Relinquished by		Juan Deris (PCL)	7/5/22	15:28
Received by				
Relinquished by				
Received in lab by		JUL 05 2022		1528

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 226109

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7-6-22	1040	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.40/19.8°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorris	E. Morris	7-6-22	1117
Received by:	Juan Davis (PCL)	7-6-22	13:57
Relinquished by:	Juan Davis (PCL)	7-6-22	17:21
Received by:			
Relinquished by:			
Received in lab by:	JUL 06 2022		1721

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220157

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	7/7/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.40/26.6°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	7/7/22	1125
Received by		Armando Olmos (PCL)	7/7/22	12:20
Relinquished by		Armando Olmos (PCL)	7/7/22	15:15
Received by				
Relinquished by				
Received in lab by		JUL 07 2022		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
Al - $AlCl_3$
Cu - $CuSO_4$

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260187

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	07/08/22	1204	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.35/25.2
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 08 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/08/22	1210
Received by		Armando Olmos (PCL)	7/8/22	12:10
Relinquished by		Armando Olmos (PCL)	7/8/22	1405
Received by				
Relinquished by				
Received in lab by		JUL 08 2022		1405

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	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: 15-Jul-22 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.# : 22G0204-01) Collected: 09-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21014	1.8	10-Jul-22	12-Jul-22	**<1.8 MPN/100 ml**	O-04
Total Coliforms	SM 9221B	AG21014	1.8	10-Jul-22	12-Jul-22	**<1.8 MPN/100 ml**	O-04
Inorganic Constituents							
pH	SM 4500H-B	AG21130	0.1	09-Jul-22	09-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21136	0.05	11-Jul-22	11-Jul-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22G0216-01) Collected: 10-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21014	1.8	10-Jul-22	12-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21014	1.8	10-Jul-22	12-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21130	0.1	10-Jul-22	10-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21136	0.05	11-Jul-22	11-Jul-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22G0231-01) Collected: 11-Jul-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21132	1.8	11-Jul-22	14-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21132	1.8	11-Jul-22	14-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21509	0.1	11-Jul-22	11-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21136	0.05	11-Jul-22	11-Jul-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22G0260-01) Collected: 12-Jul-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21222	1.8	12-Jul-22	14-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21222	1.8	12-Jul-22	14-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21509	0.1	12-Jul-22	12-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21228	0.05	12-Jul-22	12-Jul-22	**0.09 mg/l**	

Respectfully Submitted,

Stephen Sakai 7/15/2022
Lab 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: 15-Jul-22 11:06
Subject: (MCC) Daily EFF

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

Notes and Definitions

O-04 This sample was analyzed outside the EPA recommended holding time.

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

Respectfully Submitted,

Stephen Sakai 7/15/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G0204

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Jose 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	7/9/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jose Avalos	Jose Avalos (IPC)	7/9/22	11:55
Received by:	Richard Martinez (PC)	7/9/22	11:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PC)	7/9/22	1550

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260216

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	7-10-22	915	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	pH: 7.38
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	Temp: 9.6°c

RECEIVED
JUL 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris IPC	7-10-22	930
Received by		Area Van Jr	7/10/22	1240
Relinquished by				
Received by				
Relinquished by				
Received in Lab by			JUL 10 2022	1500

Sample Received Checklist °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; 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.#: 22G0231

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/11/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.44/23.3°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	7/11/22	1145
Received by		Juan Deris (PCL)	7/11/22	17:30
Relinquished by		Juan Deris (PCL)	7/11/22	15:25
Received by				
Relinquished by				
Received at lab by			JUL 11 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G0266

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Marc 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	7/12/22	9:58	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45 22.5°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marc Aguirre (IPC)	7/12/22	10:35
Received by		Juan Devis (PCL)	7/12/22	12:42
Relinquished by		Juan Devis (PCL)	7/12/22	17:41
Received by				
Relinquished by				
Received at Lab by		JUL 12 2022		1741

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

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jul-22 09:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0299-01) Collected: 13-Jul-22 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21334	1.8	13-Jul-22	15-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21334	1.8	13-Jul-22	15-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21509	0.1	13-Jul-22	13-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21339	0.05	13-Jul-22	13-Jul-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22G0332-01) Collected: 14-Jul-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21411	1.8	14-Jul-22	18-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21411	1.8	14-Jul-22	18-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG21509	0.1	14-Jul-22	14-Jul-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21417	0.05	14-Jul-22	14-Jul-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22G0357-01) Collected: 15-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21508	1.8	15-Jul-22	28-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21508	1.8	15-Jul-22	28-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22028	0.1	15-Jul-22	15-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21516	0.05	15-Jul-22	15-Jul-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22G0371-01) Collected: 16-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21620	1.8	16-Jul-22	20-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21620	1.8	16-Jul-22	20-Jul-22	**2.0 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22028	0.1	16-Jul-22	16-Jul-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21831	0.05	18-Jul-22	18-Jul-22	**0.10 mg/l**	

Respectfully Submitted,

Stephen Sakai 7/28/2022
Lab 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: 28-Jul-22 09:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
Effluent (Sample I.D.# : 22G0379-01) Collected: 17-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21726	1.8	17-Jul-22	19-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21726	1.8	17-Jul-22	19-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22028	0.1	17-Jul-22	17-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21831	0.05	18-Jul-22	18-Jul-22	**0.18 mg/l**	
Effluent (Sample I.D.# : 22G0395-01) Collected: 18-Jul-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21832	1.8	18-Jul-22	21-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21832	1.8	18-Jul-22	21-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22028	0.1	18-Jul-22	18-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21831	0.05	18-Jul-22	18-Jul-22	**0.14 mg/l**	
Effluent (Sample I.D.# : 22G0431-01) Collected: 19-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG21927	1.8	19-Jul-22	21-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG21927	1.8	19-Jul-22	21-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22028	0.1	19-Jul-22	19-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG21926	0.05	19-Jul-22	19-Jul-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22G0476-01) Collected: 20-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22031	1.8	20-Jul-22	22-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22031	1.8	20-Jul-22	22-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22632	0.1	20-Jul-22	20-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22034	0.05	20-Jul-22	20-Jul-22	**0.13 mg/l**	

Respectfully Submitted,

Stephen Sakai 7/28/2022
Lab 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: 28-Jul-22 09:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
Effluent (Sample I.D.# : 22G0505-01) Collected: 21-Jul-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22110	1.8	21-Jul-22	23-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22110	1.8	21-Jul-22	23-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22632	0.1	21-Jul-22	21-Jul-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22112	0.05	21-Jul-22	21-Jul-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22G0518-01) Collected: 22-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22204	1.8	22-Jul-22	24-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22204	1.8	22-Jul-22	24-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22632	0.1	22-Jul-22	22-Jul-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22538	0.05	25-Jul-22	25-Jul-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22G0533-01) Collected: 23-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22325	1.8	23-Jul-22	25-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22325	1.8	23-Jul-22	25-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22632	0.1	23-Jul-22	23-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22538	0.05	25-Jul-22	25-Jul-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22G0539-01) Collected: 24-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22421	1.8	24-Jul-22	26-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22421	1.8	24-Jul-22	26-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22632	0.1	24-Jul-22	24-Jul-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22538	0.05	25-Jul-22	25-Jul-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 7/28/2022
Lab 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: 28-Jul-22 09:10
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 7/28/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G0299

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	07/13/22	1058	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4/22.4°C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 13 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/13/22	1110
Received by		Juan Davis (PCL)	7/13/22	12:17
Relinquished by		Juan Davis (PCL)	7/13/22	16:26
Received by				
Relinquished by				
Received in lab by		JUL 13 2022		1626

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G6332

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/14/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	7/14/22	1105
Received by		Juan Davis (PCL)	7/14/22	12:30
Relinquished by		Juan Davis (PCL)	7/14/22	16:46
Received by				
Relinquished by				
Received in lab by			JUL 14 2022	1646

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260357

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	7/15/22	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.47/24.4°C
1/			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	7/15/22	11:45
Received by: AO	Armando Olmos (IPC)	7/15/22	12:05
Relinquished by: AO	Armando Olmos (IPC)	7/15/22	14:30
Received by			
Relinquished by			
Received for lab by	JUL 15 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: _____

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		**Sampled by:** Jesus Avalos / 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	7/16/22	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1/	4/	4/	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 Avalos	Jesus Avalos (IPC)	7/16/22	11:50
Received by			
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez (PCL)	7/16/22	1510

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260379

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	ERIC MORRIS
		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	7-17-22	925	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	7-17-22	925
Received by		Cindy Mapraus	7-17-22	11:11
Relinquished by		Cindy Mapraus	7-17-22	14:15
Received by				
Relinquished by				
Received in lab by			JUL 17 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260395

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	7/18/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49/22.9°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	7/18/22	1125
Received by		Juan Davis (PCL)	7/18/22	13:02
Relinquished by		Juan Davis (PCL)	7/18/22	16:05
Received by				
Relinquished by				
Received in lab by			JUL 18 2022	1605

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G0431

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: E. MORRIS 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	7-19-22	1147	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.46 / 24.6°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Relinquished by	Print Name (Company)	Date	Time
E. MORRIS	E. MORRIS	7-19-22	1159
Received by	Juan Devis (PCL)	7-19-22	12:44
Relinquished by	Juan Devis (PCL)	7-19-22	16:20
Received by			
Relinquished by			
Received in lab by	JUL 19 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 226476

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7-20-22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4/24.9°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. MORRIS	7-20-22	1156
Received by: Juan Nevis (PCL)	Juan Nevis (PCL)	7/20/22	12:12
Relinquished by: Juan Nevis (PCL)	Juan Nevis (PCL)	7/20/22	16:20
Received by:			
Relinquished by:			
Received in lab by: A. Medrano Jr.	JUL 20 2022		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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260505

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Daniel Hvey 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	7/21/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.25/23.1°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Hvey	Daniel (IPC)	7/21/22	1105
Received by:	Juan Deniz (PCL)	7/21/22	12:00
Relinquished by:	Juan Deniz (PCL)	7/21/22	14:20
Received by:			
Relinquished by:			
Received in lab by:	JUL 21 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G0518

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	7/22/22	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.30/24.5°C
4	4	4	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 22 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	7/22/22	11:50
Received by:	MARIO SANTIESTEBAN (PCL)	7/22/22	1233
Relinquished by:	MARIO SANTIESTEBAN (PCL)	7/22/22	1435
Received by:			
Relinquished by:			
Received at Lab by:	JUL 22 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260533

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Jorge 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	7/23/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jorge Avalos	Jorge Avalos (IPC)	7/23/22	11:55
Received by	Richard Martinez (PCL)	7/25/22	1155
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez (PCL)	7/25/22	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 **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260539

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: E. Morris 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	7-24-22	930	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 / 16.9
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	E. MORRIS IPC	7-24-22	1040
Received by	CM	C. Mulvaney	7.24.22	1040
Relinquished by	CM	C. Mulvaney	7-24-2220	
Received by				
Relinquished by				
Received by	Al Kalish Jr.		JUL 24 2022	12:20

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
pat-chem.com

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

Attention: Ric Vardel
Report Date: 03-Aug-22 14:27
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0556-01) Collected: 25-Jul-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22535	1.8	25-Jul-22	27-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22535	1.8	25-Jul-22	27-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG22632	0.1	25-Jul-22	25-Jul-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22538	0.05	25-Jul-22	25-Jul-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22G0588-01) Collected: 26-Jul-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22637	1.8	26-Jul-22	28-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22637	1.8	26-Jul-22	28-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	26-Jul-22	26-Jul-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22639	0.05	26-Jul-22	26-Jul-22	**0.16 mg/l**	
EFF (Sample I.D.# : 22G0609-01) Collected: 27-Jul-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22737	1.8	27-Jul-22	29-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22737	1.8	27-Jul-22	29-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	27-Jul-22	27-Jul-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22740	0.05	27-Jul-22	27-Jul-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22G0633-01) Collected: 28-Jul-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22812	1.8	28-Jul-22	30-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22812	1.8	28-Jul-22	30-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	28-Jul-22	28-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22815	0.05	28-Jul-22	28-Jul-22	**0.14 mg/l**	

Respectfully Submitted,

Stephen Sakai 8/3/2022
Lab 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-Aug-22 14:27
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0654-01) Collected: 29-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG22913	1.8	29-Jul-22	31-Jul-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG22913	1.8	29-Jul-22	31-Jul-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	29-Jul-22	29-Jul-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG22917	0.05	29-Jul-22	29-Jul-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22G0671-01) Collected: 30-Jul-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG23021	1.8	30-Jul-22	01-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG23021	1.8	30-Jul-22	01-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	30-Jul-22	30-Jul-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20143	0.05	01-Aug-22	01-Aug-22	**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,



Stephen Sakai 8/3/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260556

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey / Rie 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	7/25/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.23 23.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	7/25/22	1120
Received by		Juan Dervis (IPC)	7/25/22	2:44
Relinquished by		Juan Dervis (IPC)	7/25/22	14:17
Received by				
Relinquished by				
Received in lab by			JUL 25 2022	1412

Sample Received Checklist

Temperature upon receipt: 4.2°C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 226588

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	7/26/22	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.23125 90
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/26/22	11:40
Received by		Juan Devis (PCL)	7/26/22	14:11
Relinquished by		Juan Devis (PCL)	7/26/22	17:20
Received by				
Relinquished by				
Received in lab by		JUL 26 2022		1720

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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.#: 22G0689

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: emorris / 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	7-27-22	939	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorris	E. MORRIS	7-27-22	1003
Received by:	Juan Davis (PCL)	7/27/22	1548
Relinquished by:	Juan Davis (PCL)	7/27/22	15:54
Received by:			
Relinquished by:			
Received for Lab by:		JUL 27 2022	1554

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 226633

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	7/28/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.48/25.4°C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	7/28/22	1110
Received by		Juan Nevis (PCL)	7/28/22	12:00
Relinquished by		Juan Nevis (PCL)	7/28/22	14:45
Received by				
Relinquished by				
Received at lab by			JUL 28 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22G0654

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Jesus Acuña 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	7/29/22	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 28.7
〃	〃	〃	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)	7/29/22	11:30
Received by		Cindy Murray	7-29-22	1130
Relinquished by		Cindy Murray	7/29/22	1220
Received by		E. Alavid of PCL	7/29/22	1433
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
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.

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.#: 220671

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/30/22	11:45	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: Jesus Andres	Jesus Andres (IPC)	7/30/22	11:50
Received by:	Richard Martinez (PCL)	7/30/22	11:50
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	7/30/22	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

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Aug-22 14:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0675-01) Collected: 31-Jul-22 By CM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AG23121	1.8	31-Jul-22	03-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG23121	1.8	31-Jul-22	03-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	31-Jul-22	31-Jul-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20143	0.05	01-Aug-22	01-Aug-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22H0021-01) Collected: 01-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20135	1.8	01-Aug-22	03-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20135	1.8	01-Aug-22	03-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20223	0.1	01-Aug-22	01-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20143	0.05	01-Aug-22	01-Aug-22	**0.24 mg/l**	
EFF (Sample I.D.# : 22H0075-01) Collected: 02-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20228	1.8	02-Aug-22	05-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20228	1.8	02-Aug-22	05-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20831	0.1	02-Aug-22	02-Aug-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20231	0.05	02-Aug-22	02-Aug-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22H0101-01) Collected: 03-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20332	1.8	03-Aug-22	05-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20332	1.8	03-Aug-22	05-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20831	0.1	03-Aug-22	18-Aug-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20333	0.05	03-Aug-22	03-Aug-22	**0.20 mg/l**	

Respectfully Submitted,



Stephen Sakai 8/18/2022
Lab 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-Aug-22 14:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0152-01) Collected: 04-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20514	1.8	05-Aug-22	06-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20514	1.8	05-Aug-22	06-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20831	0.1	04-Aug-22	04-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20414	0.05	04-Aug-22	04-Aug-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22H0166-01) Collected: 05-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20514	1.8	05-Aug-22	07-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20514	1.8	05-Aug-22	07-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20831	0.1	05-Aug-22	05-Aug-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20516	0.05	05-Aug-22	05-Aug-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22H0175-01) Collected: 06-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20626	1.8	06-Aug-22	08-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20626	1.8	06-Aug-22	08-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20831	0.1	06-Aug-22	06-Aug-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20836	0.05	08-Aug-22	08-Aug-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22H0186-01) Collected: 07-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20716	1.8	07-Aug-22	10-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20716	1.8	07-Aug-22	10-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH20831	0.1	07-Aug-22	07-Aug-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20836	0.05	08-Aug-22	08-Aug-22	**0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 8/18/2022
Lab 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

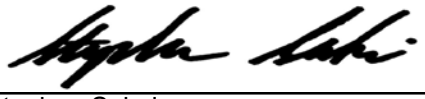
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Aug-22 14:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0207-01) Collected: 08-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20834	1.8	08-Aug-22	10-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20834	1.8	08-Aug-22	10-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	08-Aug-22	08-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20836	0.05	08-Aug-22	08-Aug-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22H0229-01) Collected: 09-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH20928	1.8	09-Aug-22	11-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH20928	1.8	09-Aug-22	11-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	09-Aug-22	09-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH20929	0.05	09-Aug-22	09-Aug-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22H0267-01) Collected: 10-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21026	1.8	10-Aug-22	12-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21026	1.8	10-Aug-22	12-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	10-Aug-22	10-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21032	0.05	10-Aug-22	10-Aug-22	**0.18 mg/l**	
EFF (Sample I.D.# : 22H0295-01) Collected: 11-Aug-22 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21113	1.8	11-Aug-22	13-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21113	1.8	11-Aug-22	13-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	11-Aug-22	11-Aug-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21220	0.05	12-Aug-22	12-Aug-22	**0.09 mg/l**	

Respectfully Submitted,



Stephen Sakai 8/18/2022
Lab 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-Aug-22 14:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0319-01) Collected: 12-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21221	1.8	12-Aug-22	14-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21221	1.8	12-Aug-22	14-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	12-Aug-22	12-Aug-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21220	0.05	12-Aug-22	12-Aug-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22H0332-01) Collected: 13-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21327	1.8	13-Aug-22	15-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21327	1.8	13-Aug-22	15-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	13-Aug-22	13-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21534	0.05	15-Aug-22	15-Aug-22	**0.14 mg/l**	
EFF (Sample I.D.# : 22H0341-01) Collected: 14-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21417	1.8	14-Aug-22	16-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21417	1.8	14-Aug-22	16-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	14-Aug-22	14-Aug-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21534	0.05	15-Aug-22	15-Aug-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22H0360-01) Collected: 15-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21530	1.8	15-Aug-22	17-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21530	1.8	15-Aug-22	17-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	15-Aug-22	15-Aug-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21534	0.05	15-Aug-22	15-Aug-22	**0.14 mg/l**	

Respectfully Submitted,

Stephen Sakai 8/18/2022
Lab 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-Aug-22 14:26
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 8/18/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2260675

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	emorr 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	7-31-22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 26.3 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 31 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorr	E. Morris	7-31-22	955
Received by:	Cindy Mary	7/31/22	11:15
Relinquished by:	Cindy Mary	7/31/22	1153
Received by:			
Relinquished by:			
Received in lab by:		JUL 31 2022	1153

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0021

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive, Irvine, CA 92618	Sampled by:	Daniel Huey
		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	8/1/22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.54/23.8°C
4	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 0 1 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	8/1/22	1135
Received by		Juan Devis (LL)	8/1/22	13:21
Relinquished by			8/1/22	15:15
Received by				
Relinquished by				
Received by lab by			AUG 0 1 2022	15:15

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0075

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-2-22	1111	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.43/24.6°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris	8-2-22	1149
Received by		Juan Davis (PCL)	8-2-22	12:13
Relinquished by		Juan Davis (PCL)	8-2-22	16:00
Received by				
Relinquished by				
Received in lab by			AUG 02 2022	1600

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0101"

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-3-22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.40 / 25.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 0 3 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morrin	8-3-22	1133
Received by		Juan Davis (PCL)	8-3-22	12:15
Relinquished by		Juan Davis (PCL)	8-3-22	15:50
Received by				
Relinquished by				
Received in lab by			AUG 0 3 2022	15:50

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(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.#: 22H0152

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Daniel Huey / 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	8/4/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.46 25.2°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	8/4/22	1140
Received by		Juan Davis (PCL)	8/4/22	12:00
Relinquished by		Juan Davis (PCL)	8/4/22	15:27
Received by				
Relinquished by				
Received in lab by		AUG 04 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0166

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Jesus Avalos / 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	8/5/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.81 15.7
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 05 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	8/5/22	11:55
Received by: CR	Cindy MARLO	8-5-22	1325
Relinquished by:	Cindy MARLO	8-5-22	1432
Received by:			
Relinquished by:			
Received (Lab) by:		AUG 05 2022	1432

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	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 - $CuSO_4$

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H-0175

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
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	8/6/22	8:40	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: Jesus Avalos	Jesus Avalos (IPC)	8/6/22	11:43
Received by:	Richard Martinez (CL)	8/6/22	1145
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (CL)	8/6/22	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.

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.#: 22H0186

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-7-22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	17.2

RECEIVED
AUG 07 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	emerry	E. MORRIS	8-7-22	950
Received by		Cindy Martinez	8-7-22	1105
Relinquished by		Cindy Martinez	8-7-22	12:00
Received by				
Relinquished by				
Received in lab by		AUG 07 2022		12:00

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0207

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Hwy 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	8/8/22	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 0 8 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	8/8/22	1205
Received by		Jonathan V. (PCL)	8/8/22	12:25
Relinquished by		Jonathan V. (PCL)	8/8/22	13:50
Received by				
Relinquished by				
Received in Lab by		AUG 0 8 2022		1350

Sample Received Checklist

Temperature upon receipt: 4.0C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0229

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-9-22	1148	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.52/24.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emartin	E. MORRIS	8-9-22	12:12
Received by:	Juan Davis (PCL)	8-9-22	12:37
Relinquished by:	Juan Davis (PCL)	8-9-22	14:34
Received by:			
Relinquished by:			
Received in lab by:		AUG 09 2022	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 (G)	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 (P)	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria (B)	

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.#: 22H0267

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	E. MORRIS
		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	8-10-22	10:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.51/24.0°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 10 2022

Geotracker EDD:
Logcode: IPC!
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	E. MORRIS	8-10-22	1054
Received by:	Juan Devis (PCL)	8/10/22	13:46
Relinquished by:	Juan Devis (PCL)	8/10/22	17:00
Received by:			
Relinquished by:			
Received by:	Pat-Chem	AUG 10 2022	1700

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0295

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :.	(MCC) Daily EFF
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	8/11/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.34/24.6°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	8/11/22	11:32
Received by		Juan Davis (PCL)	8/11/22	12:39
Relinquished by		Juan Davis (PCL)	8/11/22	14:48
Received by				
Relinquished by				
Received in lab by		AUG 11 2022		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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0319

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	8/12/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.77/32.7
4	4	4	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Jesus Avalos	Jesus Avalos (IPC)	8/12/22	11:55
Received by		MARIO CANTU ESTEBAN (PCL)	8/12/22	15
Relinquished by		MARIO CANTU ESTEBAN (PCL)	8/12/22	1515
Received by				
Relinquished by				
Received at lab by		AUG 12 2022		1515

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210332

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/13/22	11:45	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: Jesus Andres	Jesus Andres (IPC)	8/13/22	11:50
Received by:	Richard Martinez (GAL)	8/13/22	1215
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (GAL)	8/13/22	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	**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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0341

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	8-14-22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 14 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	8-14-22	950
Received by	Cindy Martinez	8.14.22	11:30
Relinquished by	Cindy Martinez	8.14.22	12:22
Received by			
Relinquished by			
Received in lab by		AUG 14 2022	1222

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2240360

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/15/22	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	8/15/22	1100
Received by	Jonathan V. (IPC)	8/15	1211
Relinquished by	Jonathan V. (IPC)	8/15	1328
Received by			
Relinquished by			
Received in lab by		AUG 15 2022	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 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-Aug-22 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.# : 22H0379-01) Collected: 16-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21635	1.8	16-Aug-22	19-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21635	1.8	16-Aug-22	19-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	16-Aug-22	16-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21637	0.05	16-Aug-22	16-Aug-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22H0423-01) Collected: 17-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21732	1.8	17-Aug-22	20-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21732	1.8	17-Aug-22	20-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH21812	0.1	18-Aug-22	18-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21735	0.05	17-Aug-22	17-Aug-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22H0467-01) Collected: 18-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21813	1.8	18-Aug-22	20-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21813	1.8	18-Aug-22	20-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22230	0.1	18-Aug-22	18-Aug-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH21816	0.05	18-Aug-22	18-Aug-22	**0.04 mg/l**	
EFF (Sample I.D.# : 22H0487-01) Collected: 19-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH21911	1.8	19-Aug-22	21-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH21911	1.8	19-Aug-22	21-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22230	0.1	19-Aug-22	19-Aug-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22233	0.05	22-Aug-22	22-Aug-22	**0.16 mg/l**	

Respectfully Submitted,



Stephen Sakai 8/23/2022
Lab 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: 23-Aug-22 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.# : 22H0499-01) Collected: 20-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22022	1.8	20-Aug-22	23-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22022	1.8	20-Aug-22	23-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22230	0.1	20-Aug-22	20-Aug-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22233	0.05	22-Aug-22	22-Aug-22	**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,



Stephen Sakai 8/23/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0379

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-16-22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	8-16-22	1136
Received by		J. Vasquez (PC)	8/16	11:08
Relinquished by		Jonathan V. (PC)	8/16	13:25
Received by				
Relinquished by				
Received in lab by		AUG 16 2022		1325

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210423

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Jesus Ayala / 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	8/17/22	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Ayala	Jesus Ayala (IPC)	8/17/22	11:20
Received by:	Jonathan Vi (PW)	8/17	12:00
Relinquished by:	Jonathan Vi (PW)	8/17	13:46
Received by:			
Relinquished by:			
Received at lab by:		AUG 17 2022	17:46

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210467

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Daniel Hwy / 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	8/18/22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Hwy	Daniel (IPC)	8/18/22	1150
Received by:	Jonathan V. (PS)	8/18	12:00
Relinquished by:	Jonathan V. (PS)	8/18	13:29
Received by:			
Relinquished by:			
Received in lab by:	AUG 18 2022		1325

Sample Received Checklist 4 IC

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210487

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jesus Andres
		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	8/19/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Andres	Jesus Andres (IPC)	8/19/22	12:00
Received by:	Jonathan V. (PC)	8/19	1210
Relinquished by:	Jonathan V. (PC)	8/19	1330
Received by:			
Relinquished by:			
Received in lab by: Abdulah Jr.		AUG 19 2022	1830

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0499

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Jesus Avalos / 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	8/20/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1/	"	"	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 Avalos	Jesus Avalos (IPC)	8/20/22	11:55
Received by:	Richard Martinez (PCL)	8/20/22	1215
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	8/20/22	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	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: 01-Sep-22 12:31
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0504-01) Collected: 21-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22117	1.8	21-Aug-22	23-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22117	1.8	21-Aug-22	23-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22230	0.1	21-Aug-22	21-Aug-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22233	0.05	22-Aug-22	22-Aug-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22H0522-01) Collected: 22-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22232	1.8	22-Aug-22	24-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22232	1.8	22-Aug-22	24-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22338	0.1	23-Aug-22	23-Aug-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22233	0.05	22-Aug-22	22-Aug-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22H0537-01) Collected: 23-Aug-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22339	1.8	23-Aug-22	25-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22339	1.8	23-Aug-22	25-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22619	0.1	23-Aug-22	23-Aug-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22341	0.05	23-Aug-22	23-Aug-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22H0563-01) Collected: 24-Aug-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22438	1.8	24-Aug-22	26-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22438	1.8	24-Aug-22	26-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22619	0.1	24-Aug-22	24-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22442	0.05	24-Aug-22	24-Aug-22	**0.16 mg/l**	

Respectfully Submitted,

Stephen Sakai 9/1/2022
Lab 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: 01-Sep-22 12:31
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0604-01) Collected: 25-Aug-22 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22510	1.8	25-Aug-22	27-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22510	1.8	25-Aug-22	27-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH22619	0.1	26-Aug-22	26-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22518	0.05	25-Aug-22	25-Aug-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22H0623-01) Collected: 26-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22613	1.8	26-Aug-22	28-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22613	1.8	26-Aug-22	28-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH23118	0.1	26-Aug-22	01-Sep-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22621	0.05	26-Aug-22	26-Aug-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22H0633-01) Collected: 27-Aug-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22723	1.8	27-Aug-22	29-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22723	1.8	27-Aug-22	29-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH23118	0.1	27-Aug-22	01-Sep-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22933	0.05	29-Aug-22	30-Aug-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22H0644-01) Collected: 28-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22825	1.8	28-Aug-22	30-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22825	1.8	28-Aug-22	30-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH23118	0.1	28-Aug-22	01-Sep-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22933	0.05	29-Aug-22	30-Aug-22	**0.18 mg/l**	

Respectfully Submitted,

Stephen Sakai 9/1/2022
Lab 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: 01-Sep-22 12:31
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0659-01) Collected: 29-Aug-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH22929	1.8	29-Aug-22	31-Aug-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH22929	1.8	29-Aug-22	31-Aug-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH23118	0.1	29-Aug-22	01-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH22933	0.05	29-Aug-22	30-Aug-22	**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,



Stephen Sakai 9/1/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22170504

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	emerry
		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	8-21-22	952	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 21 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emerry	E. Morris	8-21-22	959
Received by:		8/21/22	1315
Relinquished by:			
Received by:			
Relinquished by:			
Received by:	Patchem	AUG 21 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0522

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/22/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.68/20.7°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 22 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Daniel (IPC)	8/22/22	1115
Received by:	Juan Devis (PCL)	8/22/22	2:11
Relinquished by:	Juan Devis (PCL)	8/22/22	16:14
Received by:			
Relinquished by:			
Received in lab by:	Pat-chem Lab	AUG 22 2022	1614

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2240537

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	8/23/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.03/23.1°C
	1.	1110	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	8/23/22	1720
Received by	Juan Davis (PCL)	8/23/22	2:20
Relinquished by	Juan Davis (PCL)	8/23/22	13:40
Received by			
Relinquished by			
Received in lab by	Pat-chem Lab	AUG 23 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0563

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/24/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.52 23.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	8/24/22	1110
Received by	Juan Devis (PCL)	8/24/22	12:14
Relinquished by	Juan Devis (PCL)	8/24/22	14:18
Received by			
Relinquished by			
Received in lab by	AUG 24 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0604

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/25/22	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.48 / 21.5°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/25/22	11:00
Received by	Juan Davis (PCL)	8/25/22	12:15
Relinquished by	Juan Davis (PCL)	8/25/22	14:00
Received by			
Relinquished by			
Received at lab by	Pat-Chem	AUG 25 2022	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	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.

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.#: 2240623

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/26/22	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.75/25.1°C
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Daniel (IPC)	8/26/22	1145
Received by:	MARIA SANTIESTEBAN (PCL)	8/26/22	1252
Relinquished by:	MARIA SANTIESTEBAN (PCL)	8/26/22	1400
Received by:			
Relinquished by:			
Received at Lab by:	Pat-Chem Lab	AUG 25 2022	

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0633

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/27/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jorge Avalos	Jorge Avalos (IPC)	8/27/22	4:55
Received by:	Richard Martinez (PCL)	8/27/22	1205
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	8/27/22	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 **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210644

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-22-22	13:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9/16.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 28 2022
By Alex Walk Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: [illegible]	[illegible]	8-26-22	1450
Received by: [illegible]	[illegible]	8.26.22	1040
Relinquished by: [illegible]	Cindy Martinez	8.26.22	1230
Received by:			
Relinquished by:			
Received in lab by: Alex Walk Jr.	Alex Walk Jr. (ACL) AUG 28 2022		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
Al - $AlCl_3$
Cu - $CuSO_4$

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0659

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	8/29/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.47 25.2
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	8/29/22	1110
Received by		Amanda Olmos (PCL)	8/29/22	12:10
Relinquished by		Amanda Olmos (PCL)	8/29/22	14:35
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr (PCL)	AUG 29 2022	1435

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

Sample Received Checklist

Temperature upon receipt: 4.6

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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: 14-Sep-22 09:24
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0678-01) Collected: 30-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH23033	1.8	30-Aug-22	01-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH23033	1.8	30-Aug-22	01-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH23118	0.1	30-Aug-22	01-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH23036	0.05	30-Aug-22	30-Aug-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22H0711-01) Collected: 31-Aug-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH23115	1.8	31-Aug-22	02-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH23115	1.8	31-Aug-22	02-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	31-Aug-22	31-Aug-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20107	0.05	01-Sep-22	01-Sep-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22I0017-01) Collected: 01-Sep-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20110	1.8	01-Sep-22	03-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20110	1.8	01-Sep-22	03-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	01-Sep-22	01-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20637	0.05	06-Sep-22	06-Sep-22	**0.18 mg/l**	
EFF (Sample I.D.# : 22I0035-01) Collected: 02-Sep-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20215	1.8	02-Sep-22	04-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20215	1.8	02-Sep-22	04-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	02-Sep-22	02-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20637	0.05	06-Sep-22	06-Sep-22	**0.15 mg/l**	

Respectfully Submitted,

Stephen Sakai 9/14/2022
Lab 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: 14-Sep-22 09:24
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0050-01) Collected: 03-Sep-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20303	1.8	03-Sep-22	06-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20303	1.8	03-Sep-22	06-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	03-Sep-22	03-Sep-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20637	0.05	06-Sep-22	06-Sep-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22I0056-01) Collected: 04-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20415	1.8	04-Sep-22	07-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20415	1.8	04-Sep-22	07-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	04-Sep-22	04-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20637	0.05	06-Sep-22	06-Sep-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22I0064-01) Collected: 05-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20632	1.8	06-Sep-22	07-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20632	1.8	06-Sep-22	07-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	05-Sep-22	05-Sep-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20637	0.05	06-Sep-22	06-Sep-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22I0095-01) Collected: 06-Sep-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20632	1.8	06-Sep-22	07-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20632	1.8	06-Sep-22	07-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI20730	0.1	07-Sep-22	12-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20637	0.05	06-Sep-22	06-Sep-22	**0.15 mg/l**	

Respectfully Submitted,

Stephen Sakai 9/14/2022
Lab 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: 14-Sep-22 09:24
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 9/14/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0678

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/30/22	1010	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 30 2022
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	E. MORRIS	8/30/22	1146
Received by	Juan Davis	Juan Davis (PCL)	8/30/22	12:03
Relinquished by	Juan Davis	Juan Davis (PCL)	8/30/22	14:25
Received by				
Relinquished by				
Received in Lab by	Alex Walker Jr.	Alex Walker Jr (PCL)	AUG 30 2022	1425

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22H0711

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	8-31-22	1037	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.52/22.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	E. MORRIS	8-31-22	1045
Received by:	Amanda Olmos (IPC)	8/31/22	12:10
Relinquished by:	Amanda Olmos IPCI	9/31/22	14:20
Received by:			
Relinquished by:			
Received in lab by:	Alex Wallace (Acc) AUG	31 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0017

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	9/1/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.58/26.8°C
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	9/1/22	1120
Received by	Armando Olmos (PCL)	9/1/22	12:10
Relinquished by	Armando Olmos (PCL)	9/1/22	13:45
Received by			
Relinquished by			
Received in lab by: Alex Walker Jr.	Alex Walker Jr. (PCL) SEP	01 2022	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 HS - 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0035

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	9/2/22	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.56/26.7°C
4/	1/	1/	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	9/2/22	11:00
Received by: AO	Armando Olmos (PCL)	9/2/22	12:10
Relinquished by: AO	Armando Olmos (PCL)	9/2/22	14:15
Received by:			
Relinquished by:			
Received at lab by:	Alex Walkin Jr (PCL) SEP 02 2022		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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0050

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Cesar 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	9/3/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	9/3/22	11:55
Received by:	Richard Martinez (PCL)	9/5/22	1220
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	09/03/22	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0056

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	9-4-22	950	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	9-4-22	10 00
Received by	Alex Walker	9-4-22	12:20
Relinquished by			
Received by			
Relinquished by			
Received lab by	(PCL)	SEP 04 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0064

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/5/22	920	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris	9/5/22	930
Received by		Juan Deniz (IPC)	9/5/22	12:40
Relinquished by		Juan Deniz (IPC)	9/5/22	14:37
Received by				
Relinquished by				
Received by		Alex Walker Jr (RC)	SEP 05 2022	1437

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	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0095

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Marie 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	9/6/22	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 0 6 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	9/6/22	11:48
Received by		Juan Deniz (PCL)	9/6/22	13:05
Relinquished by		Juan Deniz (PCL)	9/6/22	16:00
Received by				
Relinquished by				
Received (Lab) by		PCL	SEP 0 6 2022	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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)rab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 16-Sep-22 11:51
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0144-01) Collected: 07-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20737	1.8	07-Sep-22	10-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20737	1.8	07-Sep-22	10-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI21236	0.1	07-Sep-22	07-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20740	0.05	07-Sep-22	07-Sep-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22I0177-01) Collected: 08-Sep-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20818	1.8	08-Sep-22	10-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20818	1.8	08-Sep-22	10-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI21236	0.1	08-Sep-22	08-Sep-22	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20819	0.05	08-Sep-22	08-Sep-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22I0209-01) Collected: 09-Sep-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI20923	1.8	09-Sep-22	11-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI20923	1.8	09-Sep-22	11-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI21236	0.1	09-Sep-22	09-Sep-22	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI20924	0.05	09-Sep-22	09-Sep-22	**0.19 mg/l**	
EFF (Sample I.D.# : 22I0224-01) Collected: 10-Sep-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21025	1.8	10-Sep-22	12-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21025	1.8	10-Sep-22	12-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI21236	0.1	10-Sep-22	10-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21243	0.05	12-Sep-22	12-Sep-22	**0.08 mg/l**	

Respectfully Submitted,

Stephen Sakai 9/16/2022
Lab 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: 16-Sep-22 11:51
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0232-01) Collected: 11-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21120	1.8	11-Sep-22	13-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21120	1.8	11-Sep-22	13-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI21236	0.1	11-Sep-22	11-Sep-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21243	0.05	12-Sep-22	12-Sep-22	**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,



Stephen Sakai 9/16/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0144

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	9-7-22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9-7-22	1152
Received by	MARIO SANTIESTEBAN (PCL)	9/7/22	1335
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/7/22	1525
Received by			
Relinquished by			
Received in lab by	PCL	SEP 07 2022	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	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	ST - Sodium Thiosulfate
HS - H_2SO_4	AA - Ascorbic Acid
HN - HNO_3	AI - $AlCl_3$
HP - H_3PO_4	Cu - $CuSO_4$
OH - NaOH	

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.#: 22I0177

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Daniel Huey / 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	9/8/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.7/26.6 C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	9/8/22	1115
Received by:	Cindy Martinez	9-8-22	1147
Relinquished by:	Cindy Martinez	9-8-22	1455
Received by:			
Relinquished by:			
Received in lab by:	Alex Williams Jr. (PCL)	SEP 13 2022	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
AI - $AlCl_3$
Cu - $CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 220209

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	9/9/22	[redacted]	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.8 | 26.6
〃	〃	11:50	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Jesus Avalos	Jesus Avalos (IPC)	9/9/22	12:00
Received by	[signature]	[signature]	9-9-22	13:11
Relinquished by	[signature]	[signature]	9-9-22	1530
Received by				
Relinquished by				
Received in Lab by	[signature]		SEP 09 2022	1530

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0224

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/10/22	11:45	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: Jesus Acuña	Jesus Acuña (IPC)	9/10/22	11:50
Received by:	Richard Matthes (PCL)	9/10/22	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Matthes (PCL)	9/10/22	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22F0232

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	E Morris
		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	9-11-22	945	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 7.6
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9-11-22	955
Received by	(Cindy Murphy)	9-11-22	1120
Relinquished by	Cindy Murphy	9-11-2212:15	
Received by			
Relinquished by			
Received in lab:	SEP 11 2022		1215

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: 22-Sep-22 11:05
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0263-01) Collected: 12-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21239	1.8	12-Sep-22	14-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21239	1.8	12-Sep-22	14-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	12-Sep-22	12-Sep-22	**6.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21243	0.05	12-Sep-22	12-Sep-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22I0285-01) Collected: 13-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21332	1.8	13-Sep-22	15-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21332	1.8	13-Sep-22	15-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	13-Sep-22	13-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21334	0.05	13-Sep-22	13-Sep-22	**0.20 mg/l**	
EFF (Sample I.D.# : 22I0328-01) Collected: 14-Sep-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21427	1.8	14-Sep-22	16-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21427	1.8	14-Sep-22	16-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	14-Sep-22	14-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21432	0.05	14-Sep-22	14-Sep-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22I0370-01) Collected: 15-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21513	1.8	15-Sep-22	17-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21513	1.8	15-Sep-22	17-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	15-Sep-22	15-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21615	0.05	15-Sep-22	15-Sep-22	**0.23 mg/l**	

Respectfully Submitted,



Stephen Sakai 9/22/2022
Lab 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: 22-Sep-22 11:05
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0394-01) Collected: 16-Sep-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21611	1.8	16-Sep-22	18-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21611	1.8	16-Sep-22	18-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	16-Sep-22	16-Sep-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21615	0.05	16-Sep-22	16-Sep-22	**0.20 mg/l**	
EFF (Sample I.D.# : 22I0402-01) Collected: 17-Sep-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21718	1.8	17-Sep-22	19-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21718	1.8	17-Sep-22	19-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	17-Sep-22	17-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21940	0.05	19-Sep-22	19-Sep-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22I0414-01) Collected: 18-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21827	1.8	18-Sep-22	20-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21827	1.8	18-Sep-22	20-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	18-Sep-22	18-Sep-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21940	0.05	19-Sep-22	19-Sep-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22I0429-01) Collected: 19-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI21938	1.8	19-Sep-22	21-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI21938	1.8	19-Sep-22	21-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22022	0.1	20-Sep-22	21-Sep-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI21940	0.05	19-Sep-22	19-Sep-22	**0.10 mg/l**	

Respectfully Submitted,



Stephen Sakai 9/22/2022
Lab 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: 22-Sep-22 11:05
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 9/22/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210263

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Kyle 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	9/12/22	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.7 / 16.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 12 2022
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	9/12/22	1155
Received by	Cindy Martinez	9-12-22	1155
Relinquished by	Cindy Martinez	9-12-22	1520
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr. (PCL)	SEP 12 2022	1720

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210285

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Valdez / Golan Klir
		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	9-13-22	1052	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	1052	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 13 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris	9-13-22	1151
Received by		Juan Davis (PCL)	9-13-22	12:05
Relinquished by		Juan Davis (PCL)	9-13-22	13:20
Received by				
Relinquished by				
Received at lab by		Alex Walchuk (PCL)	SEP 13 2022	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
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0328

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/14/22	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Acuña	Jesus Acuña (IPC)	9/14/22	11:20
Received by:	MARIO SANTIESTEBAN (PCL)	9/14/22	1332
Relinquished by:	MARIO SANTIESTEBAN (PCL)	9/14/22	1520
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr. (PCL)	SEP 14 2022	1520

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(G) Grab
Comp

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0370

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	9-15-22	1045	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9-15-22	1115
Received by	MARIO SANTIESTEBAN (PCL)	9/15/22	1528
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/15/22	1723
Received by			
Relinquished by			
Received in lab by	Alex Walton (PCL) SEP 15 2022		1725

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

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

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0394

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/16/22	15:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/16/22	1535
Received by:	MARIO ZAMORA SANTIESTEBAN (PCL)	9/16/22	1535
Relinquished by:	MARIO ZAMORA SANTIESTEBAN (PCL)	9/16/22	1650
Received by:			
Relinquished by:			
Received in lab by:	Alexander Jr. (PCL)	SEP 16 2022	1650

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0482

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Jesus Avalos 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	9/17/22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
4	4	4	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 Avalos	Jesus Avalos (IPC)	9/17/22	4:50
Received by: Richard Martinez	Richard Martinez (PCL)	9/17/22	1215
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Richard Martinez	Richard Martinez (PCL)	9/17/22	1345

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210414

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Emorris / 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	9-18-22	1000	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 15.2 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Emorris	E. MORRIS	9-18-22	1010
Received by:	Cindy Marino	9-18-22	1205
Relinquished by:	Cindy Marino	9-18-22	1306
Received by:			
Relinquished by:			
Received at lab by:	Alex Walton (PCL)	SEP 18 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0429

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	9/19/22	1141	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.47/22.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. MORRIS	9/19/22	1145
Received by: AO	Amanda Olmos (PCL)	9/19/22	13:30
Relinquished by: AO	Amanda Olmos (PCL)	9/19/22	16:55
Received by:			
Relinquished by:			
Received in lab by:	NexWave (PCL) SEP 19 2022		1655

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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-Oct-22 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.# : 22I0466-01) Collected: 20-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22026	1.8	20-Sep-22	23-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22026	1.8	20-Sep-22	23-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22213	0.1	20-Sep-22	20-Sep-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22031	0.05	20-Sep-22	20-Sep-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22I0494-01) Collected: 21-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22140	1.8	21-Sep-22	23-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22140	1.8	21-Sep-22	23-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22213	0.1	21-Sep-22	21-Sep-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22143	0.05	21-Sep-22	21-Sep-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22I0539-01) Collected: 22-Sep-22 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22214	1.8	22-Sep-22	24-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22214	1.8	22-Sep-22	24-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22729	0.1	22-Sep-22	22-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22218	0.05	22-Sep-22	22-Sep-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22I0561-01) Collected: 23-Sep-22 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AI22322	1.8	23-Sep-22	25-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22322	1.8	23-Sep-22	25-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22729	0.1	23-Sep-22	23-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22327	0.05	23-Sep-22	23-Sep-22	**0.10 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/6/2022
Lab 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-Oct-22 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.# : 22I0577-01) Collected: 24-Sep-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22428	1.8	24-Sep-22	26-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22428	1.8	24-Sep-22	26-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22729	0.1	24-Sep-22	24-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22726	0.05	27-Sep-22	27-Sep-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22I0584-01) Collected: 25-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22522	1.8	25-Sep-22	28-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22522	1.8	25-Sep-22	28-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22729	0.1	25-Sep-22	25-Sep-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22726	0.05	27-Sep-22	27-Sep-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22I0597-01) Collected: 26-Sep-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22637	1.8	26-Sep-22	28-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22637	1.8	26-Sep-22	28-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI22729	0.1	26-Sep-22	26-Sep-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22726	0.05	27-Sep-22	27-Sep-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22I0626-01) Collected: 27-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22725	1.8	27-Sep-22	29-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22725	1.8	27-Sep-22	29-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI23019	0.1	27-Sep-22	27-Sep-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22826	0.05	28-Sep-22	28-Sep-22	**0.06 mg/l**	

Respectfully Submitted,



Stephen Sakai 10/6/2022
Lab 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-Oct-22 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.# : 22I0650-01) Collected: 28-Sep-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22829	1.8	28-Sep-22	30-Sep-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22829	1.8	28-Sep-22	30-Sep-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI23019	0.1	28-Sep-22	28-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI22907	0.05	28-Sep-22	28-Sep-22	**0.13 mg/l**	
EFF (Sample I.D.# : 22I0694-01) Collected: 29-Sep-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI22908	1.8	29-Sep-22	02-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI22908	1.8	29-Sep-22	02-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI23019	0.1	29-Sep-22	29-Sep-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI23015	0.05	30-Sep-22	30-Sep-22	**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,

Stephen Sakai 10/6/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0494

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-21-22	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8/27.3
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
By

Gectracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MURRAY	9-21-22	1147
Received by		Cindy Martinez	9-21-22	1147
Relinquished by		Cindy Martinez	9/21/22	2??
Received by				
Relinquished by				
Received in lab by		Alex Walton (PL) SEP 21 2022		14:27

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22IO539

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/22/22	12:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 22 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	9/22/22	12:35
Received by	Juan Davis (PCL)	9/22/22	10:34
Relinquished by	Juan Davis (PCL)	9/22/22	14:34
Received by			
Relinquished by			
Received at lab by	Alex Wallin (PCL) SEP	22 2022	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
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210561

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/23/22	10:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
4	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Andes	Jesus Andes (IPC)	9/23/22	11:30
Received by:	Jonathan V. (PCL)	9/23	11:50
Relinquished by:	Jonathan V. (PCL)	9/23	12:57
Received by:			
Relinquished by:			
Received in lab by:	PCL SEP 23 2022		1257

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0584

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	9/25/22	935	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 14.6
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		EMWORKS	9-25-22	945
Received by		Cindy MARTINEZ	9.25.22	1012
Relinquished by		Cindy Martinez	9/25/22	1201
Received by				
Relinquished by				
Received in lab by		Del Hamson (PCL)	SEP 23 2022	1012

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

Sample Received Checklist 4°

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0597

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	9/26/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.67/27.5°C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	9/26/22	1125
Received by		Armando Olmos (PCL)	9/26/22	12:10
Relinquished by		Armando Olmos (PCL)	9/26/22	13:50
Received by				
Relinquished by				
Received in lab by		Alex Ubaldo (PCL)	SEP 26 2022	17:50

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0626

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-27-22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.39 / 37.8°C
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E MORRIS	9-27-22	1154
Received by		Juan Reyes (PCL)	9-27-22	12:54
Relinquished by		Juan Reyes (PCL)	9-27-22	14:42
Received by				
Relinquished by				
Received in lab by		Alex Walker (PCL)	SEP 27 2022	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	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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0694

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jesus Aviles
		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	9/29/22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.50/25.1
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
✓									

RECEIVED
SEP 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Aviles	Jesus Aviles (IPC)	9/29/22	11:30
Received by: 〃	Armando Olmos (PW)	9/29/22	13:20
Relinquished by: 〃	Armando Olmos (PW)	9/29/22	16:00
Received by:			
Relinquished by:			
Received by: Alex Walkden Jr.	Alex Walkden (PW) SEP 29 2022		1600

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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-22 12:46
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0714-01) Collected: 30-Sep-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI23017	1.8	30-Sep-22	02-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI23017	1.8	30-Sep-22	02-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	30-Sep-22	30-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI23025	0.05	30-Sep-22	30-Sep-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0006-01) Collected: 01-Oct-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20124	1.8	01-Oct-22	03-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20124	1.8	01-Oct-22	03-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	01-Oct-22	01-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20429	0.05	04-Oct-22	04-Oct-22	**0.04 mg/l**	
EFF (Sample I.D.# : 22J0011-01) Collected: 02-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20227	1.8	02-Oct-22	04-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20227	1.8	02-Oct-22	04-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	02-Oct-22	02-Oct-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20429	0.05	04-Oct-22	04-Oct-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0027-01) Collected: 03-Oct-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20333	1.8	03-Oct-22	05-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20333	1.8	03-Oct-22	05-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	03-Oct-22	03-Oct-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20429	0.05	04-Oct-22	04-Oct-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab 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: 13-Oct-22 12:46
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0067-01) Collected: 04-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20434	1.8	04-Oct-22	07-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20434	1.8	04-Oct-22	07-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	04-Oct-22	04-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20533	0.05	05-Oct-22	05-Oct-22	**0.18 mg/l**	
EFF (Sample I.D.# : 22J0098-01) Collected: 05-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20540	1.8	05-Oct-22	13-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20540	1.8	05-Oct-22	13-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	05-Oct-22	05-Oct-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20613	0.05	06-Oct-22	06-Oct-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22J0149-01) Collected: 06-Oct-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20619	1.8	06-Oct-22	08-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20619	1.8	06-Oct-22	08-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	06-Oct-22	06-Oct-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20621	0.05	06-Oct-22	06-Oct-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22J0174-01) Collected: 07-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20712	1.8	07-Oct-22	09-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20712	1.8	07-Oct-22	09-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	07-Oct-22	07-Oct-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.07 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab 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: 13-Oct-22 12:46
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0190-01) Collected: 08-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20821	1.8	08-Oct-22	10-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20821	1.8	08-Oct-22	10-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	08-Oct-22	08-Oct-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0198-01) Collected: 09-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20919	1.8	09-Oct-22	11-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20919	1.8	09-Oct-22	11-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	09-Oct-22	09-Oct-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0212-01) Collected: 10-Oct-22 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21040	1.8	10-Oct-22	12-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21040	1.8	10-Oct-22	12-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	10-Oct-22	10-Oct-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.08 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab 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: 13-Oct-22 12:46
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22I0714

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	9/30/22	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.58/26.2°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	9/30/22	11:50
Received by	Juan Reyes (PCL)	9/30/22	13:14
Relinquished by	Juan Reyes (PCL)	9/30/22	15:25
Received by			
Relinquished by			
Received (lab) by	Alex Wallace (PCL)	SEP 30 2022	15:25

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2210006

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
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	10/01/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	10/01/22	11:55
Received by: Richard Martinez	Richard Martinez (PCL)	10/01/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Richard Martinez	Richard Martinez (PCL)	10/01/22	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 **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 22J0011

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH/Temperature) pH: Field / Lab
EFF	10-2-22	935	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 | 17.1
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morales	10-2-22	945
Received by		Cindy Murray	10-2-22	1125
Relinquished by		Cindy Murray	10-2-22	1218
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr. (ALS)	OCT 02 2022	12:18

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0027

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Huey / Rio 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	10/3/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	pH = 7.98
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	Temp = 22.2°C

RECEIVED
OCT 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	10/3/22	1130
Received by	MARIO SANTIESTEBAN (PCL)	10/3/22	1341
Relinquished by	MARIO SANTIESTEBAN (PCL)	10/3/22	1530
Received by			
Relinquished by			
Received by/Lab by	(PCL) OCT 03 2022		1530

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0067

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Klir	P.O. #:
Irvine CA 92618		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	10/4/22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49/31.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morales	10/4/22	1152
Received by		Juan Devis IPCI	10/4/22	12:21
Relinquished by		Juan Devis IPCI	10/4/22	14:00
Received by				
Relinquished by				
Received in lab by		Alex Volkoff, Jr. (ACL)	OCT 04 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0098

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-5-22	1013	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 16.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	10-5-22	1030
Received by		Cindy Mamm	10-5-22	1142
Relinquished by		Cindy Mamm	10-5-22	1255
Received by				
Relinquished by				
Received in lab by		Alex Walton (IPC)	OCT 05 2022	1255

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0149

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Daniel Hoey	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/6/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	10/6/22	1115
Received by		Jonathan V. (PV)	10/6	12:10
Relinquished by		Jonathan V. (PV)	10/6	13:10
Received by				
Relinquished by				
Received in lab by		Alex (PCL)	OCT 06 2022	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
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0174

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	10/7/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.76 / 25.1
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	10/7/22	11:40
Received by:	Cindy Marker	10-7-22	12:22
Relinquished by:	Cindy Marker	10-7-2345	
Received by:			
Relinquished by:			
Received in lab by:	Alex Walkin (Lab)	OCT 07 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2250190

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
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	10/8/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (PC)	10/8/22	11:55
Received by:	Richard Martinez (PC)	10/8/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PC)	10/8/22	1535

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 220198

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	**Sampled by:**	Ric Vardel / Golan Kfir
Report Attention:		**P.O. #:**	
Phone #:	949-382-9067		

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-9-22	945	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 15.6
			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	E. MORRIS	10-9-22	955
Received by	Cindy Morris	10-9-22	1330
Relinquished by	Cindy Morris	10-9-22	12:25
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	10/9/22	1225

Sample Received Checklist

Temperature upon receipt: 2 °C
# of bottles agrees with COC? Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0212

Customer: IPC - Integrated Performance Consultants, 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	10/10/22	11:07	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.39 / 28.3
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 10 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/10/22	11:08
Received by	Cindy Martinez	10.10.22	11:8
Relinquished by	Cindy Martinez	10.10.22	12:05
Received by			
Relinquished by			
Received in Lab by	Alex Walker (ACG)	OCT 10 2022	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	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 - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 12:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0714-01) Collected: 30-Sep-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI23017	1.8	30-Sep-22	02-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI23017	1.8	30-Sep-22	02-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	30-Sep-22	30-Sep-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI23025	0.05	30-Sep-22	30-Sep-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0006-01) Collected: 01-Oct-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20124	1.8	01-Oct-22	03-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20124	1.8	01-Oct-22	03-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	01-Oct-22	01-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20429	0.05	04-Oct-22	04-Oct-22	**0.04 mg/l**	
EFF (Sample I.D.# : 22J0011-01) Collected: 02-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20227	1.8	02-Oct-22	04-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20227	1.8	02-Oct-22	04-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	02-Oct-22	02-Oct-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20429	0.05	04-Oct-22	04-Oct-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0027-01) Collected: 03-Oct-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20333	1.8	03-Oct-22	05-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20333	1.8	03-Oct-22	05-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ20436	0.1	03-Oct-22	03-Oct-22	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20429	0.05	04-Oct-22	04-Oct-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab 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: 13-Oct-22 12:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0067-01) Collected: 04-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20434	1.8	04-Oct-22	07-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20434	1.8	04-Oct-22	07-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	04-Oct-22	04-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20533	0.05	05-Oct-22	05-Oct-22	**0.18 mg/l**	
EFF (Sample I.D.# : 22J0098-01) Collected: 05-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20540	1.8	05-Oct-22	13-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20540	1.8	05-Oct-22	13-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	05-Oct-22	05-Oct-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20613	0.05	06-Oct-22	06-Oct-22	**0.17 mg/l**	
EFF (Sample I.D.# : 22J0149-01) Collected: 06-Oct-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20619	1.8	06-Oct-22	08-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20619	1.8	06-Oct-22	08-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	06-Oct-22	06-Oct-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ20621	0.05	06-Oct-22	06-Oct-22	**0.15 mg/l**	
EFF (Sample I.D.# : 22J0174-01) Collected: 07-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20712	1.8	07-Oct-22	09-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20712	1.8	07-Oct-22	09-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	07-Oct-22	07-Oct-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.07 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab 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: 13-Oct-22 12:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0190-01) Collected: 08-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20821	1.8	08-Oct-22	10-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20821	1.8	08-Oct-22	10-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	08-Oct-22	08-Oct-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0198-01) Collected: 09-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ20919	1.8	09-Oct-22	11-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ20919	1.8	09-Oct-22	11-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	09-Oct-22	09-Oct-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22J0212-01) Collected: 10-Oct-22 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21040	1.8	10-Oct-22	12-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21040	1.8	10-Oct-22	12-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21128	0.1	10-Oct-22	10-Oct-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21045	0.05	10-Oct-22	10-Oct-22	**0.08 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab 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: 13-Oct-22 12:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 10/13/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0714

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	9/30/22	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.58/26.2°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	9/30/22	11:50
Received by	Juan Reyes (PCL)	9/30/22	13:14
Relinquished by	Juan Reyes (PCL)	9/30/22	15:25
Received by			
Relinquished by			
Received (lab) by	Alex Wallace (PCL)	SEP 30 2022	15:25

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210006

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
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	10/01/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	10/01/22	11:55
Received by: Richard Martinez	Richard Martinez (PCL)	10/01/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Richard Martinez	Richard Martinez (PCL)	10/01/22	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 **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0011

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH/Temperature) pH: Field / Lab
EFF	10-2-22	935	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 | 17.1
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morales	10-2-22	945
Received by		Cindy Murray	10-2-22	1125
Relinquished by		Cindy Murray	10-2-22	1218
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr. (ALS)	OCT 02 2022	12:18

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0027

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Huey / Rio 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	10/3/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	pH = 7.98
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	Temp = 22.2°C

RECEIVED
OCT 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	10/3/22	1130
Received by	MARIO SANTIESTEBAN (PCL)	10/3/22	1341
Relinquished by	MARIO SANTIESTEBAN (PCL)	10/3/22	1530
Received by			
Relinquished by			
Received by/Lab by	(PCL) OCT 03 2022		1530

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0067

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Klir	P.O. #:
Irvine CA 92618		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	10/4/22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49/31.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morales	10/4/22	1152
Received by		Juan Devis IPCI	10/4/22	12:21
Relinquished by		Juan Devis IPCI	10/4/22	14:00
Received by				
Relinquished by				
Received in lab by		Alex Volkoff, Jr. (ACL)	OCT 04 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0098

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-5-22	1013	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 16.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	10-5-22	1030
Received by		Cindy Mamm	10-5-22	1142
Relinquished by		Cindy Mamm	10-5-22	1255
Received by				
Relinquished by				
Received in lab by		Alex Walton (IPC)	OCT 05 2022	1255

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0149

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Daniel Hoey	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/6/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	10/6/22	1115
Received by		Jonathan V. (PV)	10/6	12:10
Relinquished by		Jonathan V. (PV)	10/6	13:10
Received by				
Relinquished by				
Received in lab by		Alex (PCL)	OCT 06 2022	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
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0174

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	10/7/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.76 / 25.1
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	10/7/22	11:40
Received by:	Cindy Marker	10-7-22	12:22
Relinquished by:	Cindy Marker	10-7-2345	
Received by:			
Relinquished by:			
Received in lab by:	Alex Walkin (Lab)	OCT 07 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2250190

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
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	10/8/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (PC)	10/8/22	11:55
Received by:	Richard Martinez (PC)	10/8/22	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PC)	10/8/22	1535

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 220198

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	**Sampled by:**	Ric Vardel / Golan Kfir
Report Attention:		**P.O. #:**	
Phone #:	949-382-9067		

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-9-22	945	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 15.6
			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	E. MORRIS	10-9-22	955
Received by	Cindy Morris	10-9-22	1330
Relinquished by	Cindy Morris	10-9-22	12:25
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	10/9/22	1225

Sample Received Checklist

Temperature upon receipt: 2 °C
# of bottles agrees with COC? Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0212

Customer: IPC - Integrated Performance Consultants, 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	10/10/22	11:07	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.39 / 28.3
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 10 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/10/22	11:08
Received by	Cindy Martinez	10.10.22	11:8
Relinquished by	Cindy Martinez	10.10.22	12:05
Received by			
Relinquished by			
Received in Lab by	Alex Walker (ACG)	OCT 10 2022	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	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 - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Oct-22 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.# : 22J0242-01) Collected: 11-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21126	1.8	11-Oct-22	13-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21126	1.8	11-Oct-22	13-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	11-Oct-22	11-Oct-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21129	0.05	11-Oct-22	11-Oct-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22J0272-01) Collected: 12-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21236	1.8	12-Oct-22	14-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21236	1.8	12-Oct-22	14-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	12-Oct-22	12-Oct-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21240	0.05	12-Oct-22	12-Oct-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22J0298-01) Collected: 13-Oct-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21308	1.8	13-Oct-22	15-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21308	1.8	13-Oct-22	15-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	13-Oct-22	13-Oct-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21410	0.05	13-Oct-22	13-Oct-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22J0328-01) Collected: 14-Oct-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21408	1.8	14-Oct-22	16-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21408	1.8	14-Oct-22	16-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	14-Oct-22	14-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21410	0.05	14-Oct-22	14-Oct-22	**0.18 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/28/2022
Lab 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: 28-Oct-22 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.# : 22J0341-01) Collected: 15-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21531	1.8	15-Oct-22	19-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21531	1.8	15-Oct-22	19-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	15-Oct-22	15-Oct-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21737	0.05	17-Oct-22	17-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0351-01) Collected: 16-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21622	1.8	16-Oct-22	19-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21622	1.8	16-Oct-22	19-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	16-Oct-22	16-Oct-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21737	0.05	17-Oct-22	17-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0368-01) Collected: 17-Oct-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21730	1.8	17-Oct-22	19-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21730	1.8	17-Oct-22	19-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ21735	0.1	17-Oct-22	17-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21737	0.05	17-Oct-22	17-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0403-01) Collected: 18-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21842	1.8	18-Oct-22	20-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21842	1.8	18-Oct-22	20-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	18-Oct-22	18-Oct-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21941	0.05	19-Oct-22	19-Oct-22	**0.12 mg/l**	

Respectfully Submitted,



Stephen Sakai 10/28/2022
Lab 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: 28-Oct-22 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.# : 22J0446-01) Collected: 19-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ21938	1.8	19-Oct-22	21-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ21938	1.8	19-Oct-22	21-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	19-Oct-22	19-Oct-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ21941	0.05	19-Oct-22	19-Oct-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22J0466-01) Collected: 20-Oct-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22009	1.8	20-Oct-22	22-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22009	1.8	20-Oct-22	22-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	20-Oct-22	20-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22011	0.05	20-Oct-22	20-Oct-22	**0.04 mg/l**	
EFF (Sample I.D.# : 22J0488-01) Collected: 21-Oct-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22114	1.8	21-Oct-22	23-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22114	1.8	21-Oct-22	23-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	21-Oct-22	21-Oct-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22118	0.05	21-Oct-22	21-Oct-22	**0.07 mg/l**	

Respectfully Submitted,

Stephen Sakai 10/28/2022
Lab 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: 28-Oct-22 14:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 10/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0242

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/11/22	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 26.2 b
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	10/11/22	1201
Received by	Cindy Martinez	10.11.22	12:10
Relinquished by	Cindy Martinez	10.11.22	14:40
Received by			
Relinquished by			
Received at lab by	Alex Walworth	OCT 11 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0272

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-12-22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 13.4
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	10/12/22	1147
Received by		Cindy Martinez	10-12-22	13:00
Relinquished by		Cindy Martinez	10-12-22	1430
Received by				
Relinquished by				
Received in lab by		Alex Wilson OCT 12 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0298

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Daniel Hwang / 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	10/13/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3/14.2 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Hwang	Daniel (IPC)	10/13/22	1110
Received by		Cindy Martinez	10/13/22	1326
Relinquished by		Cindy Martinez	10/13/22	1522
Received by				
Relinquished by				
Received in lab by	Alex Walker	Alex Walker OCT 13 2022		1522

Sample Received Checklist 6

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0341

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jesus Aviles
		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	10/15/22	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 / 27.8
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Aviles	Jesus Aviles (IPC)	10/15/22	11:25
Received by:	Cindy Maxin	10-15-22	1125
Relinquished by:	Cindy Maxin	10/15/22	1225
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker	OCT 15 2022	1225

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0351

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: emorris 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	10-16-22	10:16	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 / 24.2 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	emorris	E. Morris	10/16/22	1045
Received by		Cindy Marine	10/16/22	1045
Relinquished by		Cindy Marine	10/16/22	1411
Received by				
Relinquished by				
Received in lab by		Alex Walton OCT 16 2022		1141

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0368

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/17/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.50/25.9 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Lab)	10/17/22	1140
Received by		Cindy Manning	10/17/22	12:01
Relinquished by		Cindy Manning	10/17/22	13:08
Received by				
Relinquished by				
Received in lab by		Alex Walk Jr	OCT 17 2022	1308

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0403

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	emerth
		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	10-18-22	1035	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 / 19.3 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 18 2022
By Alex Walkerjr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emerth	E. MORRIS	10-18-22	1140
Received by: [illegible]	Cindy Martinez	10/18/22	1247
Relinquished by: CM	Cindy Martinez	10-18-22	1400
Received by:			
Relinquished by:			
Received in lab by: Alex Walkerjr.	Alex Walkerjr.	OCT 18 2022	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	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	QH - 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0446

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-19-22	1010	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4/20.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morper	10-19-22	1034
Received by	Cindy Martinez	10-19-22	1155
Relinquished by	Cindy Martinez	10-19-22	1317
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	OCT 19 2022	1347

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0466

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Golan Kfir Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/20/22	12:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.50/27.7
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	10/20/22	1250
Received by:	MARIO SAN TIESTEBAN (PCL)	10/20/22	1250
Relinquished by:	MARIO SAN TIESTEBAN (PCL)	10/20/22	1420
Received by:		OCT 20 2022	
Relinquished by:			
Received in lab by:	Alex Walker (PCL) OCT 20 2022		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0488

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: Kyle 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	10/21/22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 27.9 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	10/21/22	1105
Received by	Cindy Martinez	10.21.22	11:05
Relinquished by	Cindy Martinez	10.21.22	13:15
Received by			
Relinquished by			
Received in lab by	Alex Wilson OCT 21 2022		1315

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Nov-22 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.# : 22J0498-01) Collected: 22-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22228	1.8	22-Oct-22	24-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22228	1.8	22-Oct-22	24-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	22-Oct-22	22-Oct-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22424	0.05	24-Oct-22	24-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0505-01) Collected: 23-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22325	1.8	23-Oct-22	25-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22325	1.8	23-Oct-22	25-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	23-Oct-22	23-Oct-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22424	0.05	24-Oct-22	24-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0524-01) Collected: 24-Oct-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22420	1.8	24-Oct-22	26-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22420	1.8	24-Oct-22	26-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22529	0.1	24-Oct-22	24-Oct-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22645	0.05	25-Oct-22	25-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0546-01) Collected: 25-Oct-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22531	1.8	25-Oct-22	27-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22531	1.8	25-Oct-22	27-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22818	0.1	25-Oct-22	25-Oct-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22645	0.05	25-Oct-22	25-Oct-22	**<0.05 mg/l**	

Respectfully Submitted,



Stephen Sakai 11/1/2022
Lab 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: 01-Nov-22 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.# : 22J0570-01) Collected: 26-Oct-22 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22644	1.8	26-Oct-22	28-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22644	1.8	26-Oct-22	28-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22818	0.1	26-Oct-22	26-Oct-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22648	0.05	26-Oct-22	26-Oct-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22J0604-01) Collected: 27-Oct-22 By JW							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22708	1.8	27-Oct-22	29-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22708	1.8	27-Oct-22	29-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ22818	0.1	27-Oct-22	27-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22710	0.05	28-Oct-22	28-Oct-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22J0624-01) Collected: 28-Oct-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22816	1.8	28-Oct-22	30-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22816	1.8	28-Oct-22	30-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20117	0.1	28-Oct-22	28-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ22819	0.05	28-Oct-22	28-Oct-22	**0.77 mg/l**	
EFF (Sample I.D.# : 22J0638-01) Collected: 29-Oct-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ22923	1.8	29-Oct-22	31-Oct-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ22923	1.8	29-Oct-22	31-Oct-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20117	0.1	29-Oct-22	29-Oct-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ23129	0.05	31-Oct-22	31-Oct-22	**<0.05 mg/l**	

Respectfully Submitted,



Stephen Sakai 11/1/2022
Lab 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: 01-Nov-22 15:20
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 11/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2250498

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	10/22/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	10/22/22	11:55
Received by:	Richard Martinez (LV)	10/22/22	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (LV)	10/23/22	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

1824 1st Street
San Fernando, CA 91340
Phone (818) 639-5300
Fax (818) 639-5306

Sample I.D.#: 22J0505

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-23-22	1040	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 24.4 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Martin	10-23-22	1045
Received by	Cindy Martinez	10.23.22	1120
Relinquished by	Cindy Martinez	10.23.22	1220
Received by			
Relinquished by			
Received in lab by	Alex Walker OCT	23 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0524

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	10/24/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 / 23.3
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 24 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/24/22	1110
Received by		Cindy Martinez	10.24.22	1128
Relinquished by		Cindy Martinez	10/24/22	1336
Received by				
Relinquished by				
Received in lab by		Alex Walker	OCT 24 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0546

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/25/22	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1/26.0 °C
		"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Mathis	10/25/22	1147
Received by	Cindy Martinez	10/25/22	1147
Relinquished by	Cindy Martinez	10-25-22	4331
Received by			
Relinquished by			
Received in lab by	Alex Washburn	OCT 25 2022	1331

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0570

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #:
Irvine CA 92618		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) Field / Lab
EFF	10/26/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 20.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1	1						

RECEIVED
OCT 26 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAR)	10/26/22	1130
Received by		Cindy MARTIN	10/26/22	1238
Relinquished by		Cindy MARTIN	10/26/22	1335
Received by				
Relinquished by				
Received for lab by		Alex Wellman	OCT 26 2022	1330

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0604

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Jonathan Wu
	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	10/27/22	10:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.53 / 12.0°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Jonathan Wu (IPC)	10/27/22	11:05
Received by		Juan Devis (PLC)	10/27/22	14:05
Relinquished by		Juan Devis (PLC)	10/27/22	16:54
Received by				
Relinquished by				
Received in lab by		Alex Warren Jr	OCT 30 2022	1654

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0624

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Kyle Vardel / ~~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	10/28/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 | 7.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 28 2022
by

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	10/28/22	1125
Received by	Cindy Marty	10/28/22	1125
Relinquished by	Cindy Marty	10/28/22	1300
Received by			
Relinquished by			
Received in lab by	Alex Kalinski Jr. (PCL)	OCT 28 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 225038

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	10/27/22	11:55	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: Jesus Avalos	Jesus Avalos (IPC)	10/27/22	1200
Received by:	Richard MacAdam (CC)	10/28/22	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard MacAdam (CC)	10/28/22	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	**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 Effecti

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Nov-22 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.# : 22J0647-01) Collected: 30-Oct-22 By EM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AJ23015	1.8	30-Oct-22	01-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ23015	1.8	30-Oct-22	01-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20117	0.1	30-Oct-22	30-Oct-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ23129	0.05	31-Oct-22	31-Oct-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22J0658-01) Collected: 31-Oct-22 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ23126	1.8	31-Oct-22	02-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ23126	1.8	31-Oct-22	02-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20117	0.1	01-Nov-22	01-Nov-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ23129	0.05	31-Oct-22	31-Oct-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22K0032-01) Collected: 01-Nov-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20121	1.8	01-Nov-22	03-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20121	1.8	01-Nov-22	03-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	01-Nov-22	01-Nov-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20125	0.05	01-Nov-22	01-Nov-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22K0072-01) Collected: 02-Nov-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20222	1.8	02-Nov-22	04-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20222	1.8	02-Nov-22	04-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	02-Nov-22	02-Nov-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20223	0.05	02-Nov-22	02-Nov-22	**0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 11/14/2022
Lab 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: 14-Nov-22 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.# : 22K0106-01) Collected: 03-Nov-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20308	1.8	03-Nov-22	05-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20308	1.8	03-Nov-22	05-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	03-Nov-22	03-Nov-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20312	0.05	03-Nov-22	03-Nov-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22K0138-01) Collected: 04-Nov-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20417	1.8	04-Nov-22	06-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20417	1.8	04-Nov-22	06-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	04-Nov-22	04-Nov-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20422	0.05	04-Nov-22	04-Nov-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22K0168-01) Collected: 05-Nov-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20515	1.8	05-Nov-22	07-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20515	1.8	05-Nov-22	07-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	05-Nov-22	05-Nov-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20738	0.05	07-Nov-22	07-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0175-01) Collected: 06-Nov-22 By JW							
Microbiological							
Fecal Coliforms	SM 9221E	AK20620	1.8	06-Nov-22	08-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20620	1.8	06-Nov-22	08-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	06-Nov-22	06-Nov-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20738	0.05	07-Nov-22	07-Nov-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 11/14/2022
Lab 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: 14-Nov-22 09:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 11/14/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0647

Customer: IPC - Integrated Performance Consultants, 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	10/30/22	950	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7-4 | 17.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	10/30/22	955
Received by	Cindy Mayer	10/30/22	1145
Relinquished by	Chen MAPIRI	10/30/22	1237
Received by			
Relinquished by			
Received by	Alex Wakun	OCT 30 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0658

Customer: IPC - Integrated Performance Consultants, 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	10/31/22	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9 / 26.4 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan K IPC	10/31/22	1110
Received by	Cindy Manny	10/31/22	1110
Relinquished by	Cindy MANN	10/31/22	1230
Received by			
Relinquished by			
Received by/Lab by	Alex Walk Jr	OCT 31 2022	1230

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0032

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	11/01/22	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 | 25.9 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 0 1 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/01/22	12:20
Received by:	Cindy Martinez	11-1-22	12:22
Relinquished by:	Cindy Martinez	11-1-22	1350
Received by:			
Relinquished by:			
Received in lab by:	Alex Wanuth	NOV 0 1 2022	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
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0072

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Mani Aguirre	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	11/2/22	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 18.6
1	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 02 2022
By Alex Walton Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mani Aguirre (IPC)	11/2/22	11:45
Received by		Cindy Martinez	11-2-22	1235
Relinquished by		Cindy Martinez	11-2-22	14:00
Received by				
Relinquished by				
Received in lab by		Alex Walton	NOV 02 2022	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0106

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Jonathan Wu
	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	11/3/22	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 13.1C
	↓	↓	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Jonathan Wu (IPC)	11/3/22	10:50
Received by		Edwin Gonzalez	11/3/22	12:52
Relinquished by		Edwin Gonzalez	11/3	15:01
Received by				
Relinquished by				
Received in lab by		Alex Walton	NOV 03 2022	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.

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.#: 22K0138

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	11/04/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/23.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/04/22	11:40
Received by:	Cindy Arana	11-4-22	1150
Relinquished by:	Cindy Arana	11-4-22	13:15
Received by:			
Relinquished by:			
Received at lab by:	Alexander Nguyen NOV 04 2022		13:15

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0168

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Jesus Arcos 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	11/05/22	10:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
4	11	11	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 Arcos	Jesus Arcos (IPC)	11/05/22	12:00
Received by:	Richard Martinez (PCL)	11/05/22	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	11/05/22	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
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 22K0175

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Jonathan Wu	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	11/6/22	10:52	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6	7.33
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST		

RECEIVED
NOV 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	11/6/22	11:00
Received by	Cindy Martinez	11-6-22	11:00
Relinquished by	Cindy Martinez	11-6-22	2:40
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr. NOV 04 2022		1240

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 06-Dec-22 09:32
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0195-01) Collected: 07-Nov-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20730	1.8	07-Nov-22	11-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20730	1.8	07-Nov-22	11-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	07-Nov-22	07-Nov-22	**8.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20738	0.05	07-Nov-22	07-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0227-01) Collected: 08-Nov-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20828	1.8	08-Nov-22	11-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20828	1.8	08-Nov-22	11-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	08-Nov-22	08-Nov-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20831	0.05	08-Nov-22	08-Nov-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22K0284-01) Collected: 09-Nov-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK20938	1.8	09-Nov-22	11-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK20938	1.8	09-Nov-22	11-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	09-Nov-22	09-Nov-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK20943	0.05	09-Nov-22	09-Nov-22	**0.96 mg/l**	
EFF (Sample I.D.# : 22K0314-01) Collected: 10-Nov-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21009	1.8	10-Nov-22	12-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21009	1.8	10-Nov-22	12-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	10-Nov-22	10-Nov-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21010	0.05	10-Nov-22	10-Nov-22	**0.06 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/6/2022
Lab 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-Dec-22 09:32
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0338-01) Collected: 11-Nov-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21117	1.8	11-Nov-22	13-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21117	1.8	11-Nov-22	13-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	11-Nov-22	11-Nov-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21118	0.05	11-Nov-22	11-Nov-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22K0349-01) Collected: 12-Nov-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21223	1.8	12-Nov-22	14-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21223	1.8	12-Nov-22	14-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	12-Nov-22	12-Nov-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21440	0.05	14-Nov-22	14-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0365-01) Collected: 13-Nov-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21313	1.8	13-Nov-22	15-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21313	1.8	13-Nov-22	15-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK21436	0.1	14-Nov-22	17-Nov-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21440	0.05	14-Nov-22	14-Nov-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22K0390-01) Collected: 14-Nov-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21438	1.8	14-Nov-22	16-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21438	1.8	14-Nov-22	16-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22124	0.1	14-Nov-22	14-Nov-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21440	0.05	14-Nov-22	14-Nov-22	**0.06 mg/l**	

Respectfully Submitted,



Stephen Sakai 12/6/2022
Lab 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-Dec-22 09:32
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0429-01) Collected: 15-Nov-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21535	1.8	15-Nov-22	17-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21535	1.8	15-Nov-22	17-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22124	0.1	15-Nov-22	15-Nov-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21537	0.05	15-Nov-22	15-Nov-22	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 12/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0195

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	11/7/22	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 24.1 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 07 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	11/7/22	1115
Received by		Cindy Mapp	11-7-22	1320
Relinquished by			11-7-22	1422
Received by				
Relinquished by				
Received in lab by		Alex Watkins	NOV 07 2022	1422

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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0227

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Mani 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	11/2/22	11:08	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.4 / 22.8 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Relinquished by / Received by	Signature	Print Name (Company)	Date	Time
Relinquished by		Mani Aguirre (IPC)	11/3/22	12:07
Received by		Cindy Martinez	11-8-22	1322
Relinquished by		Cindy Martinez	11-8-22	1447
Received by				
Relinquished by				
Received in lab by		Alex Valluzzi NOV 03 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0284

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	11/9/22	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.6 / 22.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
11-9-22
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	11/9/22	1200
Received by		Cindy Martinez	11-9-22	1300
Relinquished by		Cindy Martinez	11-9-22	1500
Received by				
Relinquished by				
Received in lab by	Alex Walker Jr.	Alex Walker Jr.	11-9-22	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0314

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Jonathan Wu 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	11/10/22	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 4.6°
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	11/10/22	10:34
Received by	Cindy Mahner	11.10.22	12:40
Relinquished by	Cindy Mahner	11.10.22	14:16
Received by			
Relinquished by			
Received in lab by	Alex Walls Jr	NOV 10 2022	14:46

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	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.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22R0338

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
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	11/11/22	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 / 22.6
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	22.

RECEIVED
NOV 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/11/22	11:05
Received by: Cindy Martinez	Cindy Martinez	11/11/22	1130
Relinquished by: Cindy Martinez	Cindy Martinez	11/11/22	1358
Received by:			
Relinquished by:			
Received in lab by:	Alex Galvan	NOV 11 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0349

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Doug Ayles
		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	11/12/22	11:00	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: Doug Ayles	Doug Ayles (IPC)	11/12/22	11:05
Received by:	Richard Martinez (FE)	11/12/22	12:00
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (FE)	11/12/22	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 **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.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0365

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Jonathan Wu 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	11/13/22	10:12	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.31 12.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	11/13/22	10:20
Received by	Cindy Martinez	11-13-22	12pm
Relinquished by	Cindy Martinez	11-13-22	13:06
Received by			
Relinquished by			
Received in lab by	Alex Watson	NOV 13 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0390

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	11/14/22	1155	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 24.5 C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/14/22	1204
Received by		Cindy Manning	11-14-22	1241
Relinquished by		Cindy Manning	11-14-22	1332
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	NOV 14 2022	1332

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0429

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/15/22	12:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 7.5
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 15 2022
LOG IN

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/15/22	1225
Received by:	Cindy Marin	11/15/22	1225
Relinquished by:	Cindy Marin	11/15/22	1350
Received by:			
Relinquished by:			
Received in lab by:	Alex Walle Jr. NOV 15 2022		1350

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Nov-22 17:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0478-01) Collected: 16-Nov-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21639	1.8	16-Nov-22	18-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21639	1.8	16-Nov-22	18-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22124	0.1	16-Nov-22	16-Nov-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21710	0.05	17-Nov-22	17-Nov-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22K0541-01) Collected: 17-Nov-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21705	1.8	17-Nov-22	19-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21705	1.8	17-Nov-22	19-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22124	0.1	17-Nov-22	17-Nov-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21811	0.05	18-Nov-22	18-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0578-01) Collected: 18-Nov-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21806	1.8	18-Nov-22	20-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21806	1.8	18-Nov-22	20-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22124	0.1	18-Nov-22	18-Nov-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK21811	0.05	18-Nov-22	18-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0589-01) Collected: 19-Nov-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK21922	1.8	19-Nov-22	21-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK21922	1.8	19-Nov-22	21-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	19-Nov-22	19-Nov-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22129	0.05	21-Nov-22	21-Nov-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 11/29/2022
Lab 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: 29-Nov-22 17:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0597-01) Collected: 20-Nov-22 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22030	1.8	20-Nov-22	22-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22030	1.8	20-Nov-22	22-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	20-Nov-22	20-Nov-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22129	0.05	21-Nov-22	21-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0632-01) Collected: 21-Nov-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22125	1.8	21-Nov-22	23-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22125	1.8	21-Nov-22	23-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	21-Nov-22	21-Nov-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22129	0.05	21-Nov-22	21-Nov-22	**0.66 mg/l**	
EFF (Sample I.D.# : 22K0692-01) Collected: 22-Nov-22 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22204	1.8	22-Nov-22	25-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22204	1.8	22-Nov-22	25-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	22-Nov-22	22-Nov-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22317	0.05	23-Nov-22	23-Nov-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 11/29/2022
Lab 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: 29-Nov-22 17:11
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 11/29/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0478

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	11/16/22	11:49	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 24.2
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	11/16/22	12:11
Received by		Cindy Martinez	11-16-22	11
Relinquished by		Cindy Martinez	11-16-22	1325
Received by				
Relinquished by				
Received in lab by		Alex Walker	NOV 16 2022	1325

Sample Received Checklist

Temperature upon receipt:	4.0
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818)-639-5306

Environmental Sample

Sample I.D.#: 22K0541

(MCC) Daily EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Jonathan Wu / 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	11/17/22	12:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7/23.6°C
	↓	↓	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	11/17/22	12:25
Received by	Cindy Martinez	11/17/22	12:25
Relinquished by	Cindy Martinez	11/17/22	3:08
Received by			
Relinquished by			
Received in lab by	Alex Walker	NOV 17 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0578

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan KFir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/18/22	12:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.29/22.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 18 2022
Alex Walworth Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/18/22	1225
Received by	MARJO SANTIESTEBAN (PCL)	11/9/22	1225
Relinquished by	MARJO SANTIESTEBAN (PCL)	11/18/22	1415
Received by			
Relinquished by			
Received in lab by	Alex Walworth	NOV 18 2022	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2240589

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jesus Avila
		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	11/19/22	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
4	9	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 Avila	Jesus Avila (IPC)	11/19/22	11:05
Received by: Richard Martinez	Richard Martinez (SCI)	11/19/22	1130
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Richard Martinez	Richard Martinez (SCI)	11/19/22	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.

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.#: 22K0597

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	11/20/22	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 21.0
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	11/20/22	10:48
Received by		Cindy Martinez	11/20/22	1150
Relinquished by		Cindy Martinez	11/20/22	1250
Received by				
Relinquished by				
Received in lab by		Alex Walk Jr NOV 20 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0632

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez 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	11/21/22	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5/16.5 - C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 2 1 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/21/22	1050
Received by		Cindy Martinez	11/21/22	1250
Relinquished by		Cindy Martinez	11/21/22	14:46
Received by				
Relinquished by				
Received in lab by		Alex Walton	NOV 2 1 2022	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
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.#: 22K0692

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Golan Kfir Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/22/22	13:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/21.7 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 22 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/22/22	1230
Received by:	Cindy MARTINEZ	11/22/22	1230
Relinquished by:	Cindy MARTINEZ	11/22/22	1455
Received by:			
Relinquished by:			
Received in lab by:	Alex Walhuth NOV 22 2022		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	**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-Dec-22 09:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0729-01) Collected: 23-Nov-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22308	1.8	23-Nov-22	25-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22308	1.8	23-Nov-22	25-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	23-Nov-22	23-Nov-22	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22317	0.05	23-Nov-22	23-Nov-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22K0756-01) Collected: 25-Nov-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AK22618	1.8	26-Nov-22	28-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22618	1.8	26-Nov-22	28-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	25-Nov-22	25-Nov-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22844	0.05	28-Nov-22	28-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0758-01) Collected: 24-Nov-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22618	1.8	26-Nov-22	28-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22618	1.8	26-Nov-22	28-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	24-Nov-22	24-Nov-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22844	0.05	28-Nov-22	28-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0782-01) Collected: 26-Nov-22 By Customer							
Microbiological							
Fecal Coliforms	SM 9221E	AK22618	1.8	26-Nov-22	28-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22618	1.8	26-Nov-22	28-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	26-Nov-22	26-Nov-22	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22844	0.05	28-Nov-22	28-Nov-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/7/2022
Lab 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-Dec-22 09:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0794-01) Collected: 27-Nov-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22719	1.8	27-Nov-22	29-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22719	1.8	27-Nov-22	29-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK22837	0.1	27-Nov-22	27-Nov-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22844	0.05	28-Nov-22	28-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0824-01) Collected: 28-Nov-22 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22842	1.8	28-Nov-22	30-Nov-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22842	1.8	28-Nov-22	30-Nov-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	28-Nov-22	28-Nov-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK22844	0.05	28-Nov-22	28-Nov-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22K0861-01) Collected: 29-Nov-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK22928	1.8	29-Nov-22	01-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK22928	1.8	29-Nov-22	01-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	29-Nov-22	29-Nov-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK23039	0.05	30-Nov-22	30-Nov-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22K0876-01) Collected: 30-Nov-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK23035	1.8	30-Nov-22	02-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK23035	1.8	30-Nov-22	02-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	30-Nov-22	30-Nov-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20536	0.05	05-Dec-22	05-Dec-22	**<0.05 mg/l**	

Respectfully Submitted,



Stephen Sakai 12/7/2022
Lab 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-Dec-22 09:21
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0037-01) Collected: 01-Dec-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL20109	1.8	01-Dec-22	03-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20109	1.8	01-Dec-22	03-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	01-Dec-22	01-Dec-22	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20536	0.05	05-Dec-22	05-Dec-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22L0066-01) Collected: 02-Dec-22 By JW							
Microbiological							
Fecal Coliforms	SM 9221E	AL20208	1.8	02-Dec-22	04-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20208	1.8	02-Dec-22	04-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	02-Dec-22	02-Dec-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20536	0.05	05-Dec-22	05-Dec-22	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/7/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0729

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez 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	11/23/22	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 / 23.5 °C
1			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	11/23/22	1240
Received by	Cindy Martinez	11.23.22	1240
Relinquished by	Cindy Martinez	11-23-22	1455
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr. NOV 23 2022		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
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0758

(MCC) Daily EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Jonathan Wu ~~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	11/24/22	10:10	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	Jonathan Wu (IPC)	11/24/22	10:15
Received by	Edwin Gonzalez	11/24/22	10:15
Relinquished by	Edwin Gonzalez	11/24/22	13:00
Received by			
Relinquished by			
Received in lab by	MARIS SANTESTEBAN (PCL)	11/24/22	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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0756

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Jonathan Wu / Ric Vardel / Golan Kfir	P.O. #:
Irvine	CA 92618	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	11/25/22	11:05	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	Jonathan Wu (IPC)	11/25/22	11:12
Received by	Richard Martinez (PCL)	11/25/22	1155
Relinquished by	Richard M. (PCL)	11/25/22	1440
Received by			
Relinquished by			
Received in lab by	Richard M. (PCL)	11/25/22	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
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0782

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Jesus Andres 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	11/26/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1/	11	11	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 Andres	Jesus Andres (IPC)	11/26/22	11:55
Received by:	Richard Martinez (PCL)	11/26/22	1216
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	11/26/22	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 **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0794

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	11/27/22	0905	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 12.0°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	11/27/22	0910
Received by	Cindy Martinez	11/27/22	11:00
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
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0824

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez 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	11/28/22	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.35/18.3
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 28 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/28/22	1200
Received by		MARIO SANTIESTEBAN (PCL)	11/28/22	1200
Relinquished by		MARIO SANTIESTEBAN (PCL)	11/28/22	1350
Received by				
Relinquished by				
Received in lab by		Alex Walton NOV 28 2022		1330

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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.#: 22K0861

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	11/29/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.80/21.3°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 29 2022
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	11/29/22	1220
Received by:	Juan Devis (PCL)	11/29/22	12:29
Relinquished by:	Juan Devis (PCL)	11/29/22	14:21
Received by:			
Relinquished by:			
Received in lab by: Alex Walker Jr.	Alex Walker Jr.	NOV 29 2022	1421

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0876

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Marie 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	11/30/22	11:05	1	pH; T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4/16.5°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 30 2022
By Alex Walker Jr.

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	11/30/22	11:16
Received by		Cindy Martinez	11-30-22	1140
Relinquished by		Cindy Martinez	11-30-22	13:15
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr. NOV 30 2022		1315

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210037

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	12/01/22	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7 / 12.5 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
DEC 0 1 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/01/22	10:55
Received by:	Cindy Martinez	12.1.22	1205
Relinquished by:	Cindy Martinez	12.1.22	1420
Received by:			
Relinquished by:			
Received in lab by:	Alex Wambo DEC 0 1 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2211066

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Jonathan Wu 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	11/02/22	10:44	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
				pH 7-5 /68.C					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 02 2022

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	11/02/22	10:51
Received by	Cindy Matray	11-2-22	13:20pm
Relinquished by	Cindy Matray	11.2.22	2:06
Received by			
Relinquished by			
Received in lab by	Alex Wallington	DEC 02 2022	1406

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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: 24-Dec-22 01:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0121-01) Collected: 03-Dec-22 By JW							
Microbiological							
Fecal Coliforms	SM 9221E	AL20321	1.8	03-Dec-22	05-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20321	1.8	03-Dec-22	05-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	03-Dec-22	03-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20536	0.05	05-Dec-22	05-Dec-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22L0133-01) Collected: 04-Dec-22 By JW							
Microbiological							
Fecal Coliforms	SM 9221E	AL20416	1.8	04-Dec-22	06-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20416	1.8	04-Dec-22	06-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20532	0.1	04-Dec-22	04-Dec-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20536	0.05	05-Dec-22	05-Dec-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22L0150-01) Collected: 05-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL20529	1.8	05-Dec-22	08-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20529	1.8	05-Dec-22	08-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20907	0.1	05-Dec-22	05-Dec-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20632	0.05	06-Dec-22	06-Dec-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22L0193-01) Collected: 06-Dec-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL20623	1.8	06-Dec-22	08-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20623	1.8	06-Dec-22	08-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20907	0.1	06-Dec-22	06-Dec-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL20738	0.05	07-Dec-22	07-Dec-22	**<0.05 mg/l**	

Respectfully Submitted,



Stephen Sakai 12/24/2022
Lab 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: 24-Dec-22 01:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0262-01) Collected: 07-Dec-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL20733	1.8	07-Dec-22	09-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20733	1.8	07-Dec-22	09-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20907	0.1	07-Dec-22	07-Dec-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21230	0.05	12-Dec-22	12-Dec-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22L0304-01) Collected: 08-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL20816	1.8	08-Dec-22	10-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20816	1.8	08-Dec-22	10-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL20907	0.1	09-Dec-22	15-Dec-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21230	0.05	12-Dec-22	12-Dec-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22L0328-01) Collected: 09-Dec-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL20910	1.8	09-Dec-22	12-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL20910	1.8	09-Dec-22	12-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	09-Dec-22	09-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21230	0.05	12-Dec-22	12-Dec-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22L0346-01) Collected: 10-Dec-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21020	1.8	10-Dec-22	14-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21020	1.8	10-Dec-22	14-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	10-Dec-22	10-Dec-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21230	0.05	12-Dec-22	12-Dec-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/24/2022
Lab 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: 24-Dec-22 01:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0367-01) Collected: 11-Dec-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21112	1.8	11-Dec-22	14-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21112	1.8	11-Dec-22	14-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	11-Dec-22	11-Dec-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21230	0.05	12-Dec-22	12-Dec-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22L0403-01) Collected: 12-Dec-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21232	1.8	12-Dec-22	15-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21232	1.8	12-Dec-22	15-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	12-Dec-22	12-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21335	0.05	13-Dec-22	13-Dec-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22L0471-01) Collected: 13-Dec-22 By Kyle Vardel of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21336	1.8	13-Dec-22	16-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21336	1.8	13-Dec-22	16-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	13-Dec-22	13-Dec-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21512	0.05	15-Dec-22	15-Dec-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22L0502-01) Collected: 14-Dec-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21440	1.8	14-Dec-22	16-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21440	1.8	14-Dec-22	16-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	14-Dec-22	14-Dec-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21512	0.05	15-Dec-22	15-Dec-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/24/2022
Lab 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: 24-Dec-22 01:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0549-01) Collected: 15-Dec-22 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21514	1.8	15-Dec-22	17-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21514	1.8	15-Dec-22	17-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	15-Dec-22	15-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21608	0.05	16-Dec-22	16-Dec-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22L0580-01) Collected: 16-Dec-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21606	1.8	16-Dec-22	18-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21606	1.8	16-Dec-22	18-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	16-Dec-22	16-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21608	0.05	16-Dec-22	16-Dec-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22L0598-01) Collected: 17-Dec-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21725	1.8	17-Dec-22	19-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21725	1.8	17-Dec-22	19-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	17-Dec-22	17-Dec-22	**6.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21936	0.05	19-Dec-22	19-Dec-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22L0634-01) Collected: 18-Dec-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21817	1.8	18-Dec-22	20-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21817	1.8	18-Dec-22	20-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL21935	0.1	18-Dec-22	18-Dec-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL21936	0.05	19-Dec-22	19-Dec-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/24/2022
Lab 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: 24-Dec-22 01:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0652-01) Collected: 19-Dec-22 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL21927	1.8	19-Dec-22	21-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL21927	1.8	19-Dec-22	21-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL22314	0.1	19-Dec-22	19-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22022	0.05	20-Dec-22	20-Dec-22	**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,



Stephen Sakai 12/24/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210121

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	12/3/22	11:50	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									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/3/22	11:55
Received by: Richard Martinez (BA)	Richard Martinez (BA)	12/5/22	1240
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Richard Martinez (PA)	Richard Martinez (PA)	12/5/22	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	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.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2240133

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	12/4/22	940	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9/7.6 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	12/4/22	945
Received by	Cindy Mathews	12.4.22	1200
Relinquished by	Cindy Mathews	12.4.22	1320
Received by			
Relinquished by			
Received in lab by	Alex Watson DEC	04 2022	1320

Sample Received Checklist

Temperature upon receipt: Y/C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210150

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	12/5/22	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 05 2022
By Alex Walton Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	12/5/22	1125
Received by: MARIO SANTIESTEBAN	MARIO SANTIESTEBAN (PCL)	12/5/22	342
Relinquished by: MARIO SANTIESTEBAN	MARIO SANTIESTEBAN (PCL)	12/5/22	1530
Received by			
Relinquished by			
Received in lab by: Alex Walton Jr.	Alex Walton DEC 05 2022		1530

Sample Received Checklist

Temperature upon receipt: 4.2°C
# of bottles agrees with COC? Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210193

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC) Daily EFF**
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	12/06/22	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2/23.8 °C
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 06 2022
By Alex Walker Jr.

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/06/22	1200
Received by	Cindy Warren	12-6-22	1245
Relinquished by	Cindy Warren	12-6-22	2:15
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr. NOV 06 2022		14:15

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4 **HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260262

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618	Sampled by: Mario Aguirre	P.O. #:	
	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/7/22	11:12	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.76
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/7/22	11:32
Received by	Cindy Martinez	12-7-22	1132
Relinquished by	Cindy Martinez	12-7-22	1308
Received by			
Relinquished by			
Received in lab by	Alex Walls Jr. DEC 07 2022		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	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260304

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	12/8/22	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.48/22.5C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED DEC. 08 2022 By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	12/8/22	1140
Received by		MARIO SANTIESTEBAN (PCL)	12/8/22	1305
Relinquished by		MARIO SANTIESTEBAN (PCL)	12/8/22	1535
Received by				
Relinquished by				
Received in lab by		Alex Hamden DEC.	08 2022	1535

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260328

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
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	12/9/22	11:04	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.64
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 09 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/9/22	11:30
Received by	Richard M. (PCL)	12/9/22	1310
Relinquished by	Richard M. (PCL)	12/9/22	1530
Received by			
Relinquished by			
Received in lab by	Alex Calderon DEC	09 2022	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0346

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	12/10/22	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1/	1/	11	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 Avalos	Jesus Avalos (IPC)	12/10/22	11:40
Received by:	Richard Martinez (PCL)	12/10/22	11:40
Relinquished by:	Richard M. (PCL)	12/10/22	1230
Received by:			
Relinquished by:			
~~Received in lab by~~:	Richard M. (PCL)	12/10	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260367

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-11-22	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9 8.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

PCL

RECEIVED
DEC 11 2022
By

E.D# 2J0152

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	12-11-22	1106
Received by	Cindy Mapes	12-11-22	1213
Relinquished by	Cindy Mapes	12-11-22	1305
Received by			
Relinquished by			
Received in lab by	Alex Wawrzyn DEC	11 2022	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 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210403

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	12/12/22	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.60
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 12 2022
By Alex Walkon Jr.

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/12/22	11:37
Received by	MARJO SANTIESTEBAN (PCL)	12/12/22	1350
Relinquished by	MARJO SANTIESTEBAN (PCL)	12/12/22	15 35
Received by			
Relinquished by			
Received in lab by	Alex Walkon DEC 12 2022		1535

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260471

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	12/13/22	1100	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 13 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	12/13/22	1100
Received by	MARIO SANTIESTEBAN (PCL)	12/13/22	1600
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/13/22	1820
Received by			
Relinquished by			
Received in lab by	Alex Watson	DEC 13 2022	1820

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260512

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
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	12/14/22	11:17	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49
1"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 14 2022
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/14/22	11:32
Received by	MARIO SANTIESTEBAN (PCL)	12/14/22	1140
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/14/22	1528
Received by			
Relinquished by			
Received in lab by	Alex Walker DEC	14 2022	1520

Sample Received Checklist

Temperature upon receipt:	Y I C	
# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260549

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Marie 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	12/15/22	11:26	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.58
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
DEC 15 2022

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	12/15/22	11:46
Received by	MARIO SANTIESTEBAN (PCL)	12/15/22	1323
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/15/22	1545
Received by			
Relinquished by			
Received in lab by	Alex Walworth DEC 15 2022		1545

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample 22L0580

Sample I.D.#: ~~22L0578~~ MS

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
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	12/16/22	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.58
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 16 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/16/22	11:05
Received by:	HUGO SANTIESTEBAN (PCL)	12/16/22	1350
Relinquished by:	HUGO SANTIESTEBAN (PCL)	12/16/22	1530
Received by:			
Relinquished by:			
Received in lab by:	Alex Wallin DEC 16 2022		1530

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210598

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez 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	12/17/22	0940	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							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/17/22	0945
Received by		Richard M (PCL)	12/17/22	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Richard Martinez (PCL)	12/17/22	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
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.#: 2260634

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir Report Attention:	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH/Temperature) pH: Field Lab
EFF	12/18/22	950	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9 13.3
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 17 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Eric Morris	12/18/22	1005
Received by	Cindy Mathers	12-18-22	1125
Relinquished by	Cindy Mathers	12.18.22	12:06
Received by			
Relinquished by			
Received in lab by	Alex Walton DEC 17 2022		1206

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210652

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Kyle Vardel	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	12/19/22	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 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	12/19/22	1145
Received by		MARIO SANTESTEBAN (PCL)	12/19/22	1335
Relinquished by		MARIO SANTESTEBAN (PCL)	12/19/22	1335
Received by				
Relinquished by				
Received in lab by		Alex Walton Jr. DEC	19 2022	1335

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes 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: 04-Jan-23 00:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0688-01) Collected: 20-Dec-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22023	1.8	20-Dec-22	23-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22023	1.8	20-Dec-22	23-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL22314	0.1	20-Dec-22	20-Dec-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22124	0.05	21-Dec-22	21-Dec-22	**0.05 mg/l**	
EFF (Sample I.D.# : 22L0724-01) Collected: 21-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22138	1.8	21-Dec-22	23-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22138	1.8	21-Dec-22	23-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL22314	0.1	21-Dec-22	21-Dec-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22205	0.05	22-Dec-22	22-Dec-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22L0758-01) Collected: 22-Dec-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22210	1.8	22-Dec-22	24-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22210	1.8	22-Dec-22	24-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL22314	0.1	22-Dec-22	22-Dec-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22307	0.05	23-Dec-22	23-Dec-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22L0783-01) Collected: 23-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22308	1.8	23-Dec-22	25-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22308	1.8	23-Dec-22	25-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	23-Dec-22	23-Dec-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22724	0.05	27-Dec-22	27-Dec-22	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/4/2023
Lab 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: 04-Jan-23 00:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0795-01) Collected: 24-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22405	1.8	24-Dec-22	26-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22405	1.8	24-Dec-22	26-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	24-Dec-22	24-Dec-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22836	0.05	28-Dec-22	28-Dec-22	**0.08 mg/l**	
EFF (Sample I.D.# : 22L0802-01) Collected: 25-Dec-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22502	1.8	25-Dec-22	27-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22502	1.8	25-Dec-22	27-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	25-Dec-22	25-Dec-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22836	0.05	28-Dec-22	28-Dec-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22L0811-01) Collected: 26-Dec-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22616	1.8	26-Dec-22	28-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22616	1.8	26-Dec-22	28-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	26-Dec-22	26-Dec-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22727	0.05	27-Dec-22	27-Dec-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22L0832-01) Collected: 27-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22722	1.8	27-Dec-22	29-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22722	1.8	27-Dec-22	29-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	27-Dec-22	27-Dec-22	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22727	0.05	27-Dec-22	27-Dec-22	**0.20 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/4/2023
Lab 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: 04-Jan-23 00:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 1/4/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2240688

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	**(MCC) Daily EFF**
Address:	9297 Research Drive	**Sampled by:**	Carlos 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	12/20/22	1115	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 20 2022
By Alex Walker Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (apc)	12/20/22	1125
Received by		MARIO SANTIESTESTEBAN (PCL)	12/20/22	1255
Relinquished by		MARIO SANTIESTEBAN (PCL)	12/20/22	1445
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr. DEC 20 2022		1445

Sample Received Checklist

Temperature upon receipt: 4.2 °C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260724

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/2/22	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.06/21.5C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 21 2022
By Alex Valencia Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	12/2/22	1115
Received by	Richard M. (PCL)	12/21/22	1330
Relinquished by	Richard M. (PCL)	12/21/22	1450
Received by			
Relinquished by			
Received in lab by	Alex Valencia DEC 21 2022		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	**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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2240758

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Jonathan Wu 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	12/22/22	10:54	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.63 / 20.6C°
EFF	↓	↓	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 2 2 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	12/22/22	11:02
Received by	Juan D. (PLC)	12/22/22	12:15
Relinquished by	Juan D. (PLC)	12/22/22	15:15
Received by			
Relinquished by			
Received in lab by	Alex Wardan DEC 2 2 2022		1515

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210783

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	12/23/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.59/21.2c
4	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	12/23/22	1145
Received by		Juan D. (PCL)	12/23/22	1300
Relinquished by		Juan Davis (PCL)	12/23/22	15:15
Received by				
Relinquished by				
Received in lab by		Alex Wahman	DEC 23 2022	1518

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0795

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	12/24/22	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
4	4	1'	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 Avalos	Jesus Avalos (IPC)	12/24/22	10:00
Received by:	Richard M. (PCL)	12/24/22	10:00
Relinquished by:	Richard M. (PCL)	12/24/22	1005
Received by:			
Relinquished by:			
Received in lab by:	Richard M (PCL)	12/24/22	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210802

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC) Daily EFF**
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	12/25/22	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.61 @ 22.8
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 25 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	12/25/22	1100
Received by		Cindy Morris	12/25/22	11:00
Relinquished by		Cindy Morris	12-25-22	1233
Received by				
Relinquished by				
Received in lab by		Alex Walker	DEC 25 2022	12:33

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0811

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Jonathan Wu / 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	12/26/22	11:54	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.68/21.7
EFF	↓	↓	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	Jonathan Wu (IPC)	12/26/22	11:59
Received by	MARIO SANTIESTEBAN (PCL)	12/26/22	11:59
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	12/26/22	1506

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0832

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive	Sampled by: Daniel Hwy	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	12/27/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.09/21.2°
"	"	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 27 2022
By Alex Valle Jr.

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Hwy	Daniel (IPC)	12/27/22	1230
Received by: MARIO	MARIO SANTIESTEBAN (PCL)	12/27/22	1320
Relinquished by: MARIO	MARIO SANTIESTEBAN (PCL)	12/27/22	1515
Received by:			
Relinquished by:			
Received in Lab by: Alex Valle Jr.	Alex Valle Jr. DEC	27 2022	15:15

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	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: 16-Jan-23 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.# : 22L0870-01) Collected: 28-Dec-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22834	1.8	28-Dec-22	30-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22834	1.8	28-Dec-22	30-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	28-Dec-22	28-Dec-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL22906	0.05	29-Dec-22	29-Dec-22	**0.09 mg/l**	
EFF (Sample I.D.# : 22L0895-01) Collected: 29-Dec-22 By JW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL22914	1.8	29-Dec-22	31-Dec-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL22914	1.8	29-Dec-22	31-Dec-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL23007	0.1	30-Dec-22	30-Dec-22	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL23015	0.05	30-Dec-22	30-Dec-22	**0.07 mg/l**	
EFF (Sample I.D.# : 22L0921-01) Collected: 30-Dec-22 By ET of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL23012	1.8	30-Dec-22	01-Jan-23	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL23012	1.8	30-Dec-22	01-Jan-23	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA30326	0.1	30-Dec-22	30-Dec-22	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL23015	0.05	30-Dec-22	30-Dec-22	**0.18 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/16/2023
Lab 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: 16-Jan-23 15:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 1/16/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0870

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	12/28/22	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.56/21.3C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	12/28/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	12/28/22	1357
Relinquished by		MARIO SANTIESTEBAN (PCL)	12/28/22	1555
Received by				
Relinquished by				
Received in lab by		Alex Valuta Jr.	DEC 28 2022	1535

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210895

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Jonathan Wu 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	12/29/22	10:32	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.50 / 20.7°C
EFF	↓	↓	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	↓

RECEIVED
DEC 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jonathan Wu (IPC)	12/29/22	10:39
Received by	MARIO SANTIESTEBAN (PCL)	12/29/22	11:39
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/29/22	1300
Received by			
Relinquished by			
Received in lab by	Alex Walker DEC 29 2022		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	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210921

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ervin Tucker 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	12/30/22	11:02am	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.22 / 15.2°C
EFF	12/30/22	11:02am	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
DEC 30 2022
BY

Signature	Print Name (Company)	Date	Time
Relinquished by	Ervin Tucker (IPC)	12/30/22	11:07am
Received by	Juan Davis (PCL)	12/30/22	1300
Relinquished by	Juan Davis (PCL)	12/30/22	1442
Received by			
Relinquished by			
Received by	Alex Walker Jr.	DEC 30 2022	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	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water SO - Soil / Sludge OT - Other	HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

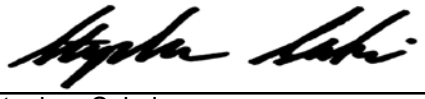
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Jan-23 08:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0958-01) Collected: 31-Dec-22 By ET of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL23104	1.8	31-Dec-22	02-Jan-23	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL23104	1.8	31-Dec-22	02-Jan-23	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA30326	0.1	31-Dec-22	31-Dec-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA30511	0.05	05-Jan-23	05-Jan-23	**0.08 mg/l**	
EFF (Sample I.D.# : 23A0003-01) Collected: 01-Jan-23 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA30103	1.8	01-Jan-23	03-Jan-23	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA30103	1.8	01-Jan-23	03-Jan-23	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA30326	0.1	01-Jan-23	01-Jan-23	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA30511	0.05	05-Jan-23	05-Jan-23	**0.07 mg/l**	
EFF (Sample I.D.# : 23A0024-01) Collected: 02-Jan-23 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA30216	1.8	02-Jan-23	05-Jan-23	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA30216	1.8	02-Jan-23	05-Jan-23	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA30326	0.1	03-Jan-23	04-Jan-23	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA30511	0.05	05-Jan-23	05-Jan-23	**0.06 mg/l**	
EFF (Sample I.D.# : 23A0056-01) Collected: 03-Jan-23 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA30327	1.8	03-Jan-23	05-Jan-23	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA30327	1.8	03-Jan-23	05-Jan-23	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA30426	0.1	03-Jan-23	03-Jan-23	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA30511	0.05	05-Jan-23	05-Jan-23	**<0.05 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/9/2023
Lab 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-Jan-23 08:35
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 23A0092-01) Collected: 04-Jan-23 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA30423	1.8	04-Jan-23	06-Jan-23	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA30423	1.8	04-Jan-23	06-Jan-23	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA30610	0.1	04-Jan-23	04-Jan-23	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA30511	0.05	05-Jan-23	05-Jan-23	**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,

Stephen Sakai 1/9/2023
Lab Director

[redacted]ories
[redacted]24 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0958

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
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	12/31/22	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.67
1	1	1	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 Avalos	Jesus Avalos (IPC)	12/31/22	11:55
Received by:	Richard M. (PCL)	12/31/22	1230
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard M. (PCL)	12/31/22	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.

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.#: 23A0203

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/1/23	915	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.76@25
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JAN 0 1 2023

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morrin	1/1/23	920
Received by	Alex Walkin	1/1/23	12:05
Relinquished by			
Received by			
Relinquished by			
Received for lab by	Alex Walkin JAN 0 1 2023		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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 23A0024

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huey	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	1/2/23	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.58/20.5c
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 02 2023
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	1/2/23	1135
Received by		Edwin Gonzalez	1/2/23	12:45
Relinquished by		Edwin Gonzalez	1/2/23	13:50
Received by				
Relinquished by				
Received in lab by		Alex Valdez Jr	1/2/23	1350

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 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 - $CuSO_4$

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.#: 23A0056

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Daniel Huey	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	1/3/23	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.61/21.3c
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 03 2023
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	1/3/23	1155
~~Received by~~:	Juan Devis IPCC	1/3/23	13:43
Relinquished by:	Juan Devis (IPC)	1/3/23	16:37
Received by:			
Relinquished by:			
Received in lab by:	Alex Wachsmuth JAN 03 2023		1637

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 23A0092

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC) Daily EFF**
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey Report Attention: ~~Rid 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	1/4/23	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.68/21.1c
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 04 2023
By Alex Ushkalov Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	1/4/23	1210
Received by:	Richard M. (PCL)	1/4/23	1350
Relinquished by:	Richard M. (PCL)	1/4/23	1500
Received by:			
Relinquished by:			
Received in lab by: Alex Ushkalov Jr.	Alex Ushkalov	JAN 04 2023	1540

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	Preservations
Grab	**AQ** - Water	**P** - Plastic	**HC** - HCl
Comp	**SO** -Soil / Sludge	**G** - Amber Glass	**HS** - H_2SO_4
	OT - Other	**VOA** - 40 ml Vial	**HN** - HNO_3
		Coli - bacteria	**HP** - H_3PO_4
			OH - NaOH
			ST - Sodium Thiosulfate
			AA - Ascorbic Acid
			Al - $AlCl_3$
			Cu - $CuSO_4$

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-Jan-22 15:57
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0105-01) Collected: 05-Jan-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA20726	1	07-Jan-22	07-Jan-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA21050	0.10	10-Jan-22	13-Jan-22	**0.19 mg/l**	
Nitrate as N	EPA 353.2	AA20625	0.05	06-Jan-22	06-Jan-22	**0.85 mg/l**	
Nitrite as N	EPA 353.2	AA20625	0.05	06-Jan-22	06-Jan-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA20823	0.20	08-Jan-22	10-Jan-22	**1.38 mg/l**	
EFF (Sample I.D.# : 22A0105-02) Collected: 04-Jan-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA20636	2	06-Jan-22	11-Jan-22	**26 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0105

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF
Address:	9297 Research Drive	Sampled by:	Carlos 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	01/05/22	1150	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	
	01/04/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/05/22	1155
Received by		Jonathan V (IPC)	1/5/22	1203
Relinquished by		Jonathan V (IPC)	1/5/22	1350
Received by				
Relinquished by				
Received in Lab by			JAN 05 2022	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
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-Jan-22 15:28
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0327-01) Collected: 12-Jan-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA21329	1	13-Jan-22	13-Jan-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA22122	0.10	21-Jan-22	21-Jan-22	**0.23 mg/l**	
Nitrate as N	EPA 353.2	AA21321	0.05	13-Jan-22	13-Jan-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AA21321	0.05	13-Jan-22	13-Jan-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA21051	1.00	18-Jan-22	20-Jan-22	**<1.00 mg/l**	
EFF (Sample I.D.# : 22A0327-02) Collected: 11-Jan-22 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA21327	2	13-Jan-22	18-Jan-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/21/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0327

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) Weekly ~~EFF~~
Sampled by: Mario Aguirre / Ric Vardel / Golan Kfir
Report Attention:
P.O. #: 949-382-9067
Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/10/22	11:40	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	11	11	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	11	11	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	1/11/22	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	1/10/22	17:25
Received by	MARIO SANTIESTEBAN (PCL)	1/12/22	1353
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/12/22	1600
Received by			
Relinquished by			
Received in lab by		JAN 12 2022	1600

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) 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: 27-Jan-22 13:21
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0524-01) Collected: 19-Jan-22 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA22128	1	21-Jan-22	22-Jan-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA22624	0.10	26-Jan-22	27-Jan-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA22030	0.05	20-Jan-22	20-Jan-22	**0.26 mg/l**	
Nitrite as N	EPA 353.2	AA22030	0.05	20-Jan-22	20-Jan-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA22546	0.10	25-Jan-22	26-Jan-22	**1.75 mg/l**	
EFF (Sample I.D.# : 22A0524-02) Collected: 18-Jan-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA22037	2	20-Jan-22	25-Jan-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/27/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0524

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/19/22	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	
	01/18/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/19/22	1140
Received by		Jonathan V. (Pat)	1/19/22	1200
Relinquished by		Jonathan V. (Pat)	1/19/22	1320
Received by				
Relinquished by				
Received in lab by		JAN 19 2022		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.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Feb-22 14:33
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22A0664-01) Collected: 25-Jan-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA22832	1	28-Jan-22	29-Jan-22	**78 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA22735	2	27-Jan-22	01-Feb-22	**306 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0664

Customer: IPC - Integrated Performance Consultants, Inc		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/25/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	~~7.7~~ / 18.4
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	7.5

RECEIVED
JAN 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/26/22	1110
Received by		Cindy Mercer	1/26/22	1200
Relinquished by		Cindy Mercer	1-26-22	1335
Received by				
Relinquished by				
Received at lab by		JAN 26 2022		1335

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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-Feb-22 14:44
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0665-01) Collected: 26-Jan-22 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA22832	1	28-Jan-22	29-Jan-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA23145	0.10	31-Jan-22	01-Feb-22	**0.14 mg/l**	
Nitrate as N	EPA 353.2	AA22836	0.05	26-Jan-22	26-Jan-22	**1.30 mg/l**	
Nitrite as N	EPA 353.2	AA22836	0.05	26-Jan-22	26-Jan-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA23141	0.10	31-Jan-22	31-Jan-22	**2.65 mg/l**	
EFF (Sample I.D.# : 22A0665-02) Collected: 26-Jan-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA22735	2	27-Jan-22	01-Feb-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/3/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0665

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project:	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/26/22	1100	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.7/17.2
			1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	01/25/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 26 2022
By

Geotracker EDD:
Logcode: IPC!
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/26/22	1110
Received by		Cindy Monroe	1-26-22	2100
Relinquished by		Cindy Monroe	1-26-22	2335
Received by				
Relinquished by				
Received at Lab by		JAN 26 2022		1335

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Feb-22 13:13
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0069-01) Collected: 02-Feb-22 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB20406	1	04-Feb-22	04-Feb-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB20344	0.10	03-Feb-22	04-Feb-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AB20326	0.05	03-Feb-22	03-Feb-22	**1.04 mg/l**	
Nitrite as N	EPA 353.2	AB20326	0.05	03-Feb-22	03-Feb-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB20718	0.10	07-Feb-22	08-Feb-22	**0.71 mg/l**	
EFF (Sample I.D.# : 22B0069-02) Collected: 01-Feb-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB20328	2	03-Feb-22	08-Feb-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2230069

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project:
Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir
Report Attention:
P.O. #: 949-382-9067
Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/01/22	1135	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	
	02/01/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
FEB 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/04/22	1150
Received by		Jonathan V. (PCL)	2/4/22	1200
Relinquished by		Jonathan V. (PCL)	2/4/22	1320
Received by				
Relinquished by				
Received at Lab by		FEB 02 2022		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
(G) Grab
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Feb-22 11:30
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0233-01) Collected: 09-Feb-22 By M.A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB21027	1	10-Feb-22	11-Feb-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB21410	0.10	14-Feb-22	14-Feb-22	**0.22 mg/l**	
Nitrate as N	EPA 353.2	AB21114	0.05	10-Feb-22	10-Feb-22	**1.07 mg/l**	
Nitrite as N	EPA 353.2	AB21114	0.05	10-Feb-22	10-Feb-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB21330	0.10	13-Feb-22	14-Feb-22	**0.32 mg/l**	
EFF (Sample I.D.# : 22B0233-02) Collected: 08-Feb-22 By M.A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB21025	2	10-Feb-22	15-Feb-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/15/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22B0233

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Mario Aguirre Ric Vardel / Golan Kfir	**P.O. #:** 949-382-9067	
	Report Attention:	**Phone #:**	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/9/22	11:40	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	7.9 / 22.3 - C
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
M.A EFF	2/8/22	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
FEB 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/9/22	1:44
Received by		Cindy Martinez	2-9-22	11:50
Relinquished by		Cindy Martinez	2-9-22	13:10
Received by				
Relinquished by				
Received for lab by		FEB 09 2022		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
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Feb-22 14:50
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0378-01) Collected: 16-Feb-22 By M.A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB21628	1	16-Feb-22	17-Feb-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB21730	0.10	17-Feb-22	21-Feb-22	**0.10 mg/l**	
Nitrate as N	EPA 353.2	AB21816	0.05	17-Feb-22	17-Feb-22	**0.37 mg/l**	
Nitrite as N	EPA 353.2	AB21816	0.05	17-Feb-22	17-Feb-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB21724	0.10	17-Feb-22	21-Feb-22	**0.67 mg/l**	
EFF (Sample I.D.# : 22B0378-02) Collected: 16-Feb-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB21729	2	17-Feb-22	22-Feb-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/22/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22B0378

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/16/22	1130	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	1	1	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	02/15/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
FEB 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/16/22	1145
Received by		Jonathan V (Pat)	2/16	12:20
Relinquished by		Jonathan V. (Pat)	2/16	13:48
Received by				
Relinquished by				
Received in lab by			FEB 16 2022	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	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: 01-Mar-22 15:57
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0524-01) Collected: 23-Feb-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB22427	1	24-Feb-22	25-Feb-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB22819	0.10	28-Feb-22	28-Feb-22	**0.19 mg/l**	
Nitrate as N	EPA 353.2	AB22512	0.05	25-Feb-22	25-Feb-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AB22512	0.05	25-Feb-22	25-Feb-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB22420	0.10	24-Feb-22	28-Feb-22	**1.08 mg/l**	
EFF (Sample I.D.# : 22B0524-02) Collected: 22-Feb-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB22425	2	24-Feb-22	01-Mar-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22130524

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature)
EFF	02/23/22	1130	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	pH: Field / Lab
	1	1	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	02/22/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	8.0 / 16.1 °C

RECEIVED
FEB 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/23/22	1140
Received by		Courier (Fed Ex)	2-23-22	12:20
Relinquished by		Courier (Fed Ex)	2-23-22	13:30
Received by				
Relinquished by				
Received in lab by			FEB 23 2022	1330

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Mar-22 14:40
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0065-01) Collected: 02-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC20310	1	03-Mar-22	04-Mar-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC20304	0.10	03-Mar-22	03-Mar-22	**0.11 mg/l**	
Nitrate as N	EPA 353.2	AC20226	0.05	02-Mar-22	03-Mar-22	**0.12 mg/l**	
Nitrite as N	EPA 353.2	AC20226	0.05	02-Mar-22	03-Mar-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC21018	0.10	10-Mar-22	11-Mar-22	**1.19 mg/l**	
EFF (Sample I.D.# : 22C0065-02) Collected: 01-Mar-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC20307	2	03-Mar-22	08-Mar-22	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/11/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2200165

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	949-382-9067
		Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/02/22	1115	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	
	03/01/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/02/22	1130
Received by		Jonathan V. (IPC)	3/2	1240
Relinquished by		Jonathan V. (IPC)	3/2	1340
Received by				
Relinquished by				
Received in lab by		MAR 02 2022		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	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: 22-Mar-22 16:58
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0238-01) Collected: 09-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC21022	1	10-Mar-22	11-Mar-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC21419	0.10	14-Mar-22	15-Mar-22	**0.33 mg/l**	
Nitrate as N	EPA 353.2	AC21010	0.05	10-Mar-22	10-Mar-22	**1.45 mg/l**	
Nitrite as N	EPA 353.2	AC21010	0.05	10-Mar-22	10-Mar-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC21427	0.20	14-Mar-22	21-Mar-22	**0.51 mg/l**	
EFF (Sample I.D.# : 22C0238-02) Collected: 08-Mar-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC21014	2	10-Mar-22	15-Mar-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/22/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2200238

(MCC) Weekly ~~EFF~~

Customer: IPC - Integrated Performance Consultants, Inc.		Project:	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/09/22	1130	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	8.0 / 18.9
	03/08/22	0000 →	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/09/22	1145
Received by		Cindy Martinez	3.9.22	1230
Relinquished by		Cindy Martinez	3922	1350
Received by				
Relinquished by				
Received in lab by		MAR 09 2022		1350

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Mar-22 18:14
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0399-01) Collected: 16-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC21713	1	17-Mar-22	18-Mar-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC22220	0.10	22-Mar-22	23-Mar-22	**0.18 mg/l**	
Nitrate as N	EPA 353.2	AC21703	0.05	17-Mar-22	17-Mar-22	**0.12 mg/l**	
Nitrite as N	EPA 353.2	AC21703	0.05	17-Mar-22	17-Mar-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC22024	0.10	20-Mar-22	21-Mar-22	**0.42 mg/l**	
EFF (Sample I.D.# : 22C0399-02) Collected: 15-Mar-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC21707	2	17-Mar-22	22-Mar-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/23/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260399

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/16/22	1145	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	
	03/15/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/16/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	3/16/22	1150
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/16/22	1335
Received by				
Relinquished by				
Received at Lab by		MAR 16 2022		1335

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-22 12:21
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0562-01) Collected: 23-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC22413	1	24-Mar-22	25-Mar-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC22833	0.10	28-Mar-22	05-Apr-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AC22403	0.05	24-Mar-22	24-Mar-22	**0.28 mg/l**	
Nitrite as N	EPA 353.2	AC22403	0.05	24-Mar-22	24-Mar-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC22720	0.10	27-Mar-22	28-Mar-22	**1.03 mg/l**	
EFF (Sample I.D.# : 22C0562-02) Collected: 22-Mar-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC22410	2	24-Mar-22	29-Mar-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22C0562

Customer:	IPC - Integrated Performance Consultants, Inc.	Project: (MCC) Weekly EFF	
Address:	9297 Research Drive, Irvine, CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/23/22	1140	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	
	03/22/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/23/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	3/23/22	1431
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/23/22	1650
Received by				
Relinquished by				
Received at lab by			MAR 23 2022	1650

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 16:54
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0752-01) Collected: 30-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD20107	1	01-Apr-22	01-Apr-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC23036	0.10	30-Mar-22	31-Mar-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AC23106	0.05	31-Mar-22	01-Apr-22	**0.07 mg/l**	
Nitrite as N	EPA 353.2	AC23106	0.05	31-Mar-22	01-Apr-22	**0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC23103	0.10	31-Mar-22	02-Apr-22	**0.52 mg/l**	
EFF (Sample I.D.# : 22C0752-02) Collected: 29-Mar-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD20105	2	01-Apr-22	06-Apr-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 220752

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project:
Sampled by: Carlos Olivera / Ric Vardel / Golan Kfir
Report Attention:
P.O. #: 949-382-9067
Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/30/22	1210	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.6/21.3 C
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	03/29/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivera (IPC)	03/30/22	1210
Received by		Cindy Mart	3-30-22	13:10
Relinquished by		Cindy Mart	3-30-22	1425
Received by				
Relinquished by				
Received in lab by			MAR 30 2022	1425

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	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: 17-Apr-22 00:42
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0226-01) Collected: 06-Apr-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD20813	1	08-Apr-22	09-Apr-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD20711	0.10	07-Apr-22	07-Apr-22	**0.16 mg/l**	
Nitrate as N	EPA 353.2	AD20705	0.05	07-Apr-22	07-Apr-22	**0.13 mg/l**	
Nitrite as N	EPA 353.2	AD20705	0.05	07-Apr-22	07-Apr-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD21013	0.10	10-Apr-22	16-Apr-22	**1.70 mg/l**	
EFF (Sample I.D.# : 22D0226-02) Collected: 05-Apr-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD20710	2	07-Apr-22	12-Apr-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/17/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0226

(MCC) Weekly ~~EFF~~

Customer: IPC - Integrated Performance Consultants, Inc.		Project: Carlos Alvarez	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir		P.O. #: 949-382-9067
	Report Attention:		Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/06/22	1140	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	
	04/05/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
APR 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/06/22	1150
Received by		simplexity	4/6/22	1350
Relinquished by		Cindy Martinez	4/6/22	1450
Received by				
Relinquished by				
Received in lab by		APR 06 2022		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	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-Apr-22 15:59
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0401-01) Collected: 13-Apr-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD21336	1	13-Apr-22	14-Apr-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD21820	0.10	18-Apr-22	19-Apr-22	**0.13 mg/l**	
Nitrate as N	EPA 353.2	AD21407	0.05	14-Apr-22	14-Apr-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AD21407	0.05	14-Apr-22	14-Apr-22	**0.07 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD21516	0.10	15-Apr-22	16-Apr-22	**1.58 mg/l**	
EFF (Sample I.D.# : 22D0401-02) Collected: 12-Apr-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD21412	2	14-Apr-22	19-Apr-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0401

(MCC) Weekly ~~EFF~~

Customer: IPC - Integrated Performance Consultants, Inc.		Project:	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Carlos Alvarez / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/13/22	[redacted] 0730	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	
	04/12/22	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
APR 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/13/22	1205
Received by		Jonathan V. (IPC)	4/13	1205
Relinquished by		Jonathan V. (IPC)	4/13	1314
Received by				
Relinquished by				
Received in lab by			APR 13 2022	13/4

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	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 - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Apr-22 14:58
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF - B (Sample I.D.# : 22D0599-01) Collected: 19-Apr-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD22103	2	21-Apr-22	26-Apr-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/26/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0599

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC)** Weekly **EFF - B**

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Carlos Alvarez

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	Preser-vation	Field Data (pH / Temperature) pH: Field Lab
EFF	04/19/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	6.8 / 11.2
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
APR 20 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/20/22	1140
Received by		Cindy Murray	4.20.22	2:05
Relinquished by		Cindy Murray	4.20.22	1525
Received by				
Relinquished by				
Received at Lab by		APR 20 2022		1525

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: 27-Apr-22 18:33
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF - A (Sample I.D.# : 22D0552-01) Collected: 19-Apr-22 By M.A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD22018	1	20-Apr-22	21-Apr-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD21934	0.10	19-Apr-22	20-Apr-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AD21937	0.05	19-Apr-22	19-Apr-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AD21937	0.05	19-Apr-22	19-Apr-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD22529	0.10	25-Apr-22	27-Apr-22	**2.48 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/27/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0552

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) Weekly EFF - A

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	Preser-vation	Field Data (pH / Temperature) pH: Field Lab
EFF	4/19/22	11:37	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	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
APR 19 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	4/19/22	11:43
Received by	Armando Olmos (PCL)	4/19/22	12:30
Relinquished by	Armando Olmos (PCL)	4/19/22	14:30
Received by			
Relinquished by			
Received in lab by		APR 19 2022	1430

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4.6

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-May-22 15:15
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0700-01) Collected: 26-Apr-22 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD22728	1	27-Apr-22	28-Apr-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD22727	0.10	27-Apr-22	27-Apr-22	**0.12 mg/l**	
Nitrate as N	EPA 353.2	AD22740	0.05	27-Apr-22	27-Apr-22	**0.07 mg/l**	
Nitrite as N	EPA 353.2	AD22740	0.05	27-Apr-22	27-Apr-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD22738	0.10	27-Apr-22	06-May-22	**1.98 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 5/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0780

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF - A	
Address: 9297 Research Drive		Sampled by: Kyle Vardel	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	Preser-vation	Field Data (pH / Temperature) pH: Field Lab
EFF	4/26/22	1110	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	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
APR 26 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	4/26/22	1115
Received by	MARIO SANTIESTEBAN (PCL)	4/26/22	1240
Relinquished by	MARIO SANTIESTEBAN (PCL)	4/26/22	1515
Received by			
Relinquished by			
Received in lab by		APR 26 2022	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
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: 03-May-22 11:21
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0724-01) Collected: 26-Apr-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD22807	2	28-Apr-22	03-May-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/3/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0724

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC) Weekly EFF - B**

Address: 9297 Research Drive

Sampled by: Carlos Alvarez

P.O. #:

Irvine CA 92618

Report Attention: Ric Vardel / Golan Kfir

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preservation	Field Data (pH / Temperature) pH: Field Lab
EFF	04/26/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
APR 27 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	04/27/22	1310
Received by	MARIO SANTIESTEBAN (PCL)	4/27/22	1310
Relinquished by	MARIO SANTIESTEBAN (PCL)	4/27/22	1445
Received by			
Relinquished by			
Received in lab by		APR 27 2022	1445

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 6/1/17

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-May-22 12:13
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0073-01) Collected: 03-May-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE20514	1	05-May-22	06-May-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE20929	0.10	09-May-22	09-May-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AE20504	0.05	05-May-22	05-May-22	**0.11 mg/l**	
Nitrite as N	EPA 353.2	AE20504	0.05	05-May-22	05-May-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE20437	0.10	04-May-22	06-May-22	**2.57 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/10/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0073

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) Weekly EFF - A

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	Preservation	Field Data (pH / Temperature) pH: Field Lab
EFF	5/3/22	12:00	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	

RECEIVED
MAY 03 2022
By

Geotracker EDD:

Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	5/3/22	12:10
Received by		MARIO SANTIESTEBAN (PCL)	5/3/22	1246
Relinquished by		MARIO SANTIESTEBAN (PCL)	5/3/22	1500
Received by				
Relinquished by				
Received in lab by			MAY 03 2022	1540

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-May-22 20:40
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0118-01) Collected: 03-May-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE20509	2	05-May-22	10-May-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/10/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0118

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	5-3-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAY 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris IPC	5-4-22	1155
Received by		Juan Davis (PCL)	5/4/22	14:25
Relinquished by		Juan Davis (PCL)	5/4/22	16:46
Received by				
Relinquished by				
Received in lab by		MAY 04 2022		1646

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 17-May-22 20:15
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0251-01) Collected: 10-May-22 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE21132	1	11-May-22	12-May-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE21622	0.10	16-May-22	17-May-22	**0.24 mg/l**	
Nitrate as N	EPA 353.2	AE21042	0.05	10-May-22	11-May-22	**0.21 mg/l**	
Nitrite as N	EPA 353.2	AE21042	0.05	10-May-22	11-May-22	**0.08 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE21207	0.10	12-May-22	13-May-22	**1.44 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/17/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0251

Customer: IPC - Integrated Performance Consultants, Inc.

Project : **(MCC)** Weekly **EFF - A**

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	Preservation	Field Data (pH / Temperature) pH: Field Lab
EFF	5/10/22	1130	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	

RECEIVED
MAY 10 2022
By

Geotracker EDD:

Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	5/10/22	1150
Received by	MARIO SANTESTEBAN (PCL)	5/10/22	1308
Relinquished by	MARIO SANTESTEBAN (PCL)	5/10/22	1455
Received by			
Relinquished by			
Received at Lab by	(PCL)	5/10/22	1455

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: 17-May-22 09:58
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0287-01) Collected: 10-May-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE21205	2	12-May-22	17-May-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/17/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0787

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	5-10-22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAY 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris IPC	5-11-22	1123
Received by		Juan Devis (PCL)	5-11-22	13:00
Relinquished by		Juan Devis (PCL)	5-11-22	17:21
Received by				
Relinquished by				
Received in lab by			MAY 11 2022	1704

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4 °C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

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-May-22 14:35
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0448-01) Collected: 17-May-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE21834	1	18-May-22	19-May-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE21916	0.10	19-May-22	20-May-22	**0.12 mg/l**	
Nitrate as N	EPA 353.2	AE21734	0.05	17-May-22	17-May-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AE21734	0.05	17-May-22	17-May-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE21831	0.10	18-May-22	18-May-22	**1.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/20/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0448

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	E Morris
	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	5-17-22	1212	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	

RECEIVED
MAY 17 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	E Morris	E Morris IPC	5-17-22	1230
Received by		Juan Davis (PCL)	5/17/22	12:45
Relinquished by		Juan Davis (PCL)	5/17/22	14:37
Received by				
Relinquished by				
Received in lab by			MAY 17 2022	1437

Sample Received Checklist

Temperature upon receipt: 2 / 2

# of bottles agrees with COC?	Yes	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: 24-May-22 09:35
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0493-01) Collected: 17-May-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE21912	2	19-May-22	24-May-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/24/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0493

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	5/17/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAY 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	5/18/22	12:10
Received by		Juan Denis (PCL)	5/18/22	13:35
Relinquished by		Juan Denis (PCL)	5/18/22	16:40
Received by				
Relinquished by				
Received in lab by			MAY 18 2022	1640

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	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: 27-May-22 14:12
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0618-01) Collected: 24-May-22 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE22531	1	25-May-22	26-May-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AE22711	0.10	27-May-22	27-May-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AE22429	0.05	24-May-22	25-May-22	**0.76 mg/l**	
Nitrite as N	EPA 353.2	AE22429	0.05	24-May-22	25-May-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE22608	0.10	26-May-22	27-May-22	**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,



Stephen Sakai 5/27/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0618

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly EFF - A	
Address: 9297 Research Drive		Sampled by: Kyle Vardel	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	5/24/22	1115	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	

RECEIVED
MAY 24 2022
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	5/24/22	1125
Received by	Juan Devis (PCL)	5/24/22	12:40
Relinquished by	Juan Devis (PCL)	5/24/22	15:47
Received by			
Relinquished by			
Received in lab by		MAY 24 2022	1547

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**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: 01-Jun-22 13:10
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0651-01) Collected: 25-May-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE22607	2	26-May-22	31-May-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0651

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC)** Weekly **EFF - B**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preservation	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	05/24/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
MAY 25 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SRC)	05/25/22	1150
Received by	Juan Devis (PCL)	05-25-22	12:45
Relinquished by	Juan Devis (PCL)	05-25-22	15:37
Received by			
Relinquished by			
Received at Lab by		MAY 25 2022	1537

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4.2

# of bottles agrees with COC?	Yes	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 6/1/17

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-Jun-22 08:48
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0758-01) Collected: 31-May-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF20129	1	01-Jun-22	01-Jun-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF20139	0.10	01-Jun-22	02-Jun-22	**0.42 mg/l**	
Nitrate as N	EPA 353.2	AF20206	0.05	02-Jun-22	02-Jun-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AF20206	0.05	02-Jun-22	02-Jun-22	**0.08 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AE23127	0.10	31-May-22	01-Jun-22	**0.94 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/3/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0758

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Weekly EFF - A**
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	5-31-22	1145	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	

RECEIVED
MAY 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris IPC	5-31-22	1158
Received by		Juan Davis (PCL)	5/31/22	13:26
Relinquished by		Juan Davis (PCL)	5/31/22	17:11
Received by				
Relinquished by				
Received in lab by		MAY 31 2022		(7)1

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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-Jun-22 15:57
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0039-01) Collected: 31-May-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF20306	2	03-Jun-22	08-Jun-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0039

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	Carlos 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	05/31/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUN 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	06/01/22	1130
Received by		MARIO SANTIESTEBAN (PCL)	6/1/22	1248
Relinquished by		MARIO SANTIESTEBAN (PCL)	6/1/22	1427
Received by				
Relinquished by				
Received in lab by			JUN 01 2022	1427

Sample Received Checklist

Temperature upon receipt: Y; C

# of bottles agrees with COC?	Yes	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: 12-Jun-22 15:03
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0172-01) Collected: 07-Jun-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF20836	1	08-Jun-22	09-Jun-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF20835	0.10	08-Jun-22	08-Jun-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AF20842	0.05	08-Jun-22	09-Jun-22	**0.14 mg/l**	
Nitrite as N	EPA 353.2	AF20842	0.05	08-Jun-22	09-Jun-22	**0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF20841	0.10	08-Jun-22	10-Jun-22	**1.10 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/12/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0172

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
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	6/7/22	11:35	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	

RECEIVED
MAY 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/7/22	11:44
Received by		Juan Nevis (PCL)	6/7/22	13:20
Relinquished by		Juan Nevis (PCL)	6/7/22	15:08
Received by				
Relinquished by				
Received by			MAY 07 2022	1808

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 13-Jun-22 19:25
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0208-01) Collected: 08-Jun-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF20831	2	08-Jun-22	13-Jun-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/13/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0268

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) Weekly EFF - B

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	Preservation	Field Data (pH / Temperature) pH: Field Lab
EFF	6-8-22	1120	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAY 08 2022
B

Geotracker EDD:

Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MURRAY	6-8-22	1133
Received by	Juan Devis (PCL)	6-8-22	12:18
Relinquished by	Juan Devis (PCL)	6-8-22	16:20
Received by			
Relinquished by			
Received by		MAY 08 2022	1620

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: 21-Jun-22 11:31
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0356-01) Collected: 14-Jun-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF21534	1	15-Jun-22	15-Jun-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF21609	0.10	16-Jun-22	16-Jun-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AF21537	0.05	15-Jun-22	15-Jun-22	**0.10 mg/l**	
Nitrite as N	EPA 353.2	AF21537	0.05	15-Jun-22	15-Jun-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF21921	0.10	19-Jun-22	21-Jun-22	**0.73 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/21/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0356

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
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	6/14/22	11:34	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
EFF	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
EFF	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	

RECEIVED
JUN 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/14/22	11:42
Received by		Juan Devis (PCL)	6/14/22	13:52
Relinquished by		Juan Devis (PCL)	6/14/22	17:30
Received by				
Relinquished by				
Received in lab by		JUN 14 2022		1730

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 21-Jun-22 11:23
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0412-01) Collected: 14-Jun-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF21615	2	16-Jun-22	21-Jun-22	**2 mg/l**	B-01

Notes and Definitions

B-01 The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 6/21/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0412

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	6-14-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUN 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	6-15-22	1045
Received by		Juan Devis (PCL)	6-15-22	12:52
Relinquished by		Juan Devis (PCL)	6-15-22	17:00
Received by				
Relinquished by				
Received in lab by		JUN 15 2022		1720

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 09:22
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0570-01) Collected: 21-Jun-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF22227	1	22-Jun-22	23-Jun-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF22221	0.10	22-Jun-22	22-Jun-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AF22304	0.05	23-Jun-22	24-Jun-22	**0.06 mg/l**	
Nitrite as N	EPA 353.2	AF22304	0.05	23-Jun-22	24-Jun-22	**0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AF22735	0.10	27-Jun-22	28-Jun-22	**0.98 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/29/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0570

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - A**
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	6-21-22	1119	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	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	6-21-22	1142
Received by		Juan Deniz (PCL)	6-21-22	11:56
Relinquished by		Juan Deniz (PCL)	6-21-22	15:12
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	6/21/22	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: 28-Jun-22 14:55
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0612-01) Collected: 21-Jun-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF22307	2	23-Jun-22	28-Jun-22	**4 mg/l**	B-01

Notes and Definitions

B-01 The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0612

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	6-21-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUN 22 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IAC	6-22-22	1130
Received by		Juan Revis (PCL)	6-22-22	12:16
Relinquished by		Juan Revis (PCL)	6-22-22	15:50
Received by				
Relinquished by				
Received by			JUN 22 2022	1550

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes 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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 11:24
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0748-01) Collected: 28-Jun-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF22930	1	29-Jun-22	29-Jun-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AF22934	0.20	29-Jun-22	29-Jun-22	**<0.20 mg/l**	
Nitrate as N	EPA 353.2	AF22845	0.05	28-Jun-22	30-Jun-22	**0.05 mg/l**	
Nitrite as N	EPA 353.2	AF22845	0.05	28-Jun-22	30-Jun-22	**0.01 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG20234	0.10	02-Jul-22	05-Jul-22	**1.82 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0748

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
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	6/28/22	11:27	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	

RECEIVED
JUN 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/28/22	11:35
Received by		Juan Devis (PCL)	6/28/22	12:33
Relinquished by		Juan Devis (PCL)	6/28/22	15:39
Received by				
Relinquished by				
Received by			JUN 28 2022	1535

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes 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.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 11:28
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0768-01) Collected: 28-Jun-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF23005	2	30-Jun-22	05-Jul-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0768

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	6-28-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUN 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	6-29-22	1146
Received by		Juan Nevis (PCL)	6-29-22	12:03
Relinquished by		Juan Nevis (PCL)	6-29-22	14:45
Received by				
Relinquished by				
Received at lab by			JUN 29 2022	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 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: 09-Jul-22 12:40
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0079-01) Collected: 05-Jul-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG20618	1	06-Jul-22	06-Jul-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG20815	0.10	08-Jul-22	08-Jul-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AG20534	0.05	05-Jul-22	05-Jul-22	**0.13 mg/l**	
Nitrite as N	EPA 353.2	AG20534	0.05	05-Jul-22	05-Jul-22	**0.006 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG20631	0.10	06-Jul-22	08-Jul-22	**0.99 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/9/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22G0679

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) Weekly EFF - A

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	Preservation	Field Data (pH / Temperature) pH: Field Lab
EFF	7-5-22	1105	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	

RECEIVED
JUL 05 2022
By

Geotracker EDD:

Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	7-5-22	1134
Received by		Juan Davis (PCL)	7-5-22	12:42
Relinquished by		Juan Davis (PCL)	7/5/22	15:28
Received by				
Relinquished by				
Received by			JUL 05 2022	1528

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: 12-Jul-22 15:04
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0112-01) Collected: 05-Jul-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG20710	2	07-Jul-22	12-Jul-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/12/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22GB112

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	7-5-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	7-6-22	1117
Received by		Juan Devis (PCL)	7-6-22	13:57
Relinquished by		Juan Devis (PCL)	7-6-22	17:21
Received by				
Relinquished by				
Received in lab by			JUL 06 2022	1704

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 19-Jul-22 08:57
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0268-01) Collected: 12-Jul-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG21336	1	13-Jul-22	14-Jul-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG21414	0.20	14-Jul-22	14-Jul-22	**<0.20 mg/l**	
Nitrate as N	EPA 353.2	AG21325	0.05	13-Jul-22	13-Jul-22	**0.12 mg/l**	
Nitrite as N	EPA 353.2	AG21325	0.05	13-Jul-22	13-Jul-22	**0.007 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG21621	0.10	16-Jul-22	18-Jul-22	**1.20 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 226268

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
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	7/12/22	9:56	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	

RECEIVED
JUL 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/12/22	10:35
Received by		Juan Devis (IPCL)	7/12/22	12:41
Relinquished by		Juan Devis (IPCL)	7/12/22	17:41
Received by				
Relinquished by				
Received in lab by			JUL 12 2022	1741

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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: 19-Jul-22 08:59
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0307-01) Collected: 12-Jul-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG21403	2	14-Jul-22	19-Jul-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 226307

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	Carlos 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	07/12/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/13/22	11:10
Received by		Juan Davis (PLL)	7/13/22	12:17
Relinquished by		Juan Davis (PLL)	7/13/22	16:26
Received by				
Relinquished by				
Received in lab by			JUL 13 2022	1626

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: 05-Aug-22 14:14
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0443-01) Collected: 19-Jul-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG22025	1	20-Jul-22	20-Jul-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG22631	0.20	26-Jul-22	05-Aug-22	**<0.20 mg/l**	
Nitrate as N	EPA 353.2	AG21836	0.05	19-Jul-22	19-Jul-22	**0.08 mg/l**	
Nitrite as N	EPA 353.2	AG21836	0.05	19-Jul-22	19-Jul-22	**0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG21924	0.10	19-Jul-22	22-Jul-22	**0.94 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/5/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260443

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	emorris
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
P.O. #:		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7-19-22	1147	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	

RECEIVED
JUL 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	emorris	E. MORRIS	7-19-22	1154
Received by		Juan Devis (PCL)	7-19-22	12:44
Relinquished by		Juan Devis (PCL)	7-19-22	16:20
Received by				
Relinquished by				
Received in lab by		JUL 19 2022		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 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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jul-22 09:41
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0481-01) Collected: 19-Jul-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG22205	2	22-Jul-22	27-Jul-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260481

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Weekly EFF - B**
Address:	9297 Research Drive	Sampled by:	E. Morris
	Irvine CA 92618	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	7-19-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. MORRIS IPC	7-20-22	1156
Received by: Juan Devis (PCL)	Juan Devis (PCL)	7-20-22	12:17
Relinquished by: Juan Devis (PCL)	Juan Devis (PCL)	7-20-22	16:20
Received by:			
Relinquished by:			
Received by:	JUL 20 2022		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 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: 18-Aug-22 08:49
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0594-01) Collected: 26-Jul-22 By Mario Aguirre of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG22804	1	28-Jul-22	28-Jul-22	**<1 mg/l**	
Inorganic Constituents							
Nitrate as N	EPA 353.2	AG22734	0.05	27-Jul-22	27-Jul-22	**0.24 mg/l**	
Nitrite as N	EPA 353.2	AG22734	0.05	27-Jul-22	27-Jul-22	**0.03 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG22725	0.10	27-Jul-22	17-Aug-22	**1.02 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/18/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 226Ø594

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC) Weekly EFF - A**
Address:	9297 Research Drive	Sampled by:	Maric 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	7/26/22	11:11	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	

RECEIVED
JUL 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Maric Aguirre (IPC)	7/26/22	11:46
Received by	Juan Davis (PCL)	7/26/22	17:11
Relinquished by	Juan Davis (PCL)	7/26/22	17:20
Received by			
Relinquished by			
Received in lab by		JUL 26 2022	1770

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
C 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

August 10, 2022

Lab No. : SP 2212350
Customer No. : 2012670

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: 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 No.	Matrix
22G0594-01	07/26/2022	08/02/2022	SP 2212350-001	W

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
SM 4500-NH3 G	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MKH

Approved By **David Terz, B.A., M.B.A.** Digitally signed by David Terz, B.A., M.B.A.
Title: QA Director
Date: 2022-08-10

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 10, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22G0594-01
Project : Pat-Chem Laboratories 22G0594

Lab No. : SP 2212350-001
Customer No. : 2012670

Sampled On : July 26, 2022 at 11:11
Sampled By : N/A
Received On : August 2, 2022 at 11:13
Matrix : Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Wet Chemistry							Date	Time	Who	Method	Date	Time	Who
Ammonia Nitrogen	ND	0.2	mg/L		1	U	08/08/2022	16:20	lcr	SM 4500-NH3 G	08/09/2022	11:08	lcr

DQF Flags Definition:
U Constituent results were non-detect.

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Page 2 of 3

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 10, 2022

Pat-Chem Laboratories

Lab No. : SP 2212350
Customer No. : 2012670

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Ammonia Nitrogen	4500NH3G	08/08/2022:208923LCR	Blank	mg/L		ND	<0.2	
			LCS	mg/L	2.000	95.9%	90-110	
			MS	mg/L	2.000	93.1%	46-139	
		(SP 2212663-001)	MSD	mg/L	2.000	94.4%	46-139	
			MSRPD	mg/L	2.000	1.4%	≤20	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
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 analyted. 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.

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

22G0594 2212350

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: 22G0594-01	**Water**	**Sampled:26-Jul-22 11:11**		**IPC - (MCC) Weekly EFF**
Ammonia as N 350.1	10-Aug-22 12:00	23-Aug-22 11:11		
Containers Supplied:				

Released By — Date: AUG 02 2022 — Received By: MC — Date: 8/2/22 11:13

Released By — Date — Received By — Date

RDI 6

Condition Upon Receipt (Attach to COC) SP 2212350

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **6C** / _____ / _____ / _____ / _____ / _____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 08/02/2022-17:35:23

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2212350
MDC-08/02/2022-17:35:23

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Aug-22 11:33
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0614-01) Collected: 26-Jul-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG22803	2	28-Jul-22	02-Aug-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/2/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 226614

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
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	7-26-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	7-27-22	1003
Received by	Juan Davis (PCL)	7/27/22	1048
Relinquished by	Juan Davis (PCL)	7/27/22	15:54
Received by			
Relinquished by			
Received in lab by		JUL 27 2022	1554

Sample Received Checklist

Temperature upon receipt:	4 °C	
# of bottles agrees with COC?	Yes	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: 26-Aug-22 12:08
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0080-01) Collected: 02-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH20328	1	03-Aug-22	03-Aug-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH22434	0.10	24-Aug-22	24-Aug-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH20506	0.05	04-Aug-22	04-Aug-22	**0.24 mg/l**	
Nitrite as N	EPA 353.2	AH20506	0.05	04-Aug-22	04-Aug-22	**0.01 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH22437	0.10	24-Aug-22	26-Aug-22	**0.54 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/26/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0080

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	E. MORRIS
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-2-22	1110	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	

RECEIVED
AUG 0 2 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	8-2-22	1149
Received by	Juan Davis (PCL)	8-2-22	12:13
Relinquished by	Juan Davis (PCL)	8-2-22	16:00
Received by			
Relinquished by			
Received in lab by		AUG 0 2 2022	1600

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4.6

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Aug-22 12:15
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0116-01) Collected: 02-Aug-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH20404	2	04-Aug-22	09-Aug-22	**6 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/9/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0116

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Weekly EFF - B**
Address:	9297 Research Drive	Sampled by:	emorris
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-2-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorris	Eric Morris	8-3-22	1133
Received by:	Juan Davis (PCL)	8-3-22	12:15
Relinquished by:	Juan Davis (PCL)	8-3-22	15:50
Received by:			
Relinquished by:			
Received in lab by:		AUG 03 2022	15:50

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	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: 14-Aug-22 14:34
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0235-01) Collected: 09-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH21027	1	10-Aug-22	11-Aug-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH21024	0.20	10-Aug-22	10-Aug-22	**<0.20 mg/l**	
Nitrate as N	EPA 353.2	AH21025	0.05	10-Aug-22	10-Aug-22	**0.28 mg/l**	
Nitrite as N	EPA 353.2	AH21025	0.05	10-Aug-22	10-Aug-22	**0.01 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH21103	0.10	11-Aug-22	12-Aug-22	**0.62 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/14/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0235

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	E. Morris
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/9/22	1135	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	

RECEIVED
AUG 09 2022
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. Morris	8/9/22	1212
Received by: Juan Devis IPC	Juan Devis IPC	8/9/22	12:37
Relinquished by: Juan Devis IPC	Juan Devis IPC	8/9/22	14:34
Received by:			
Relinquished by:			
Received in lab by:	AUG 09 2022		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	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: 16-Aug-22 10:03
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0277-01) Collected: 09-Aug-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH21104	2	11-Aug-22	16-Aug-22	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210277

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
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	8-9-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	8-10-22	1054
Received by	Juan Davis (PCL)	8-10-22	13:46
Relinquished by	Juan Davis (PCL)	8-10-22	17:00
Received by			
Relinquished by			
Received by	Pat-Chem	AUG 10 2022	17:00

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab W S 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: 19-Aug-22 14:58
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0382-01) Collected: 16-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH21807	1	18-Aug-22	18-Aug-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH21726	0.20	17-Aug-22	17-Aug-22	**<0.20 mg/l**	
Nitrate as N	EPA 353.2	AH21727	0.05	17-Aug-22	17-Aug-22	**0.22 mg/l**	
Nitrite as N	EPA 353.2	AH21727	0.05	17-Aug-22	17-Aug-22	**0.04 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH21904	0.10	19-Aug-22	19-Aug-22	**0.64 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0382

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	[illegible]
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-16-22	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	

RECEIVED
AUG 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	E. MORRIS	8-16-22	1136
Received by	[signature]	Jonathan V. (PCL)	8/16	12:08
Relinquished by	[signature]	Jonathan V. (PCL)	8/16	13:25
Received by				
Relinquished by				
Received in lab by	[signature]		AUG 16 2022	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	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 24-Aug-22 10:35
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0489-01) Collected: 18-Aug-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH21909	2	19-Aug-22	24-Aug-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/24/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0489

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	Carlos 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	08/18/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/19/22	1145
Received by		Jonathan V. (IPC)	8/19	1210
Relinquished by		Jonathan V. (IPC)	8/19	1330
Received by				
Relinquished by				
Received in Lab by:		AUG 19 2022		1330

Sample Received Checklist

Temperature upon receipt:	4°	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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-22 12:27
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0538-01) Collected: 23-Aug-22 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH22431	1	24-Aug-22	24-Aug-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH22434	0.10	24-Aug-22	24-Aug-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH22427	0.05	24-Aug-22	24-Aug-22	**0.35 mg/l**	
Nitrite as N	EPA 353.2	AH22427	0.05	24-Aug-22	24-Aug-22	**0.006 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH22921	0.10	29-Aug-22	30-Aug-22	**0.76 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/30/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0538

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	Kyle Vardel
	Irvine CA 92618	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	8/23/22	1110	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	1110	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	1110	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	

RECEIVED
AUG 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	8/23/22	1120
Received by		Juan Reyes (PCL)	8/23/22	12:28
Relinquished by		Juan Reyes (PCL)	8/23/22	13:40
Received by				
Relinquished by				
Received in lab by		Pat-Chem Lab	AUG 23 2022	1340

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	

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 09:23
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0565-01) Collected: 23-Aug-22 By KV of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH22506	2	25-Aug-22	30-Aug-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/30/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0565

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	Kyle Vardel
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/23/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	8/24/22	1110
Received by	Juan Devis (PCL)	8/24/22	12:29
Relinquished by	Juan Devis (PCL)	8/24/22	14:10
Received by			
Relinquished by			
Received by		AUG 24 2022	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	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: 02-Sep-22 11:44
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0687-01) Collected: 30-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH23116	1	31-Aug-22	31-Aug-22	**3 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI20109	0.10	01-Sep-22	01-Sep-22	**0.24 mg/l**	
Nitrate as N	EPA 353.2	AH23028	0.05	31-Aug-22	01-Sep-22	**0.95 mg/l**	
Nitrite as N	EPA 353.2	AH23028	0.05	31-Aug-22	01-Sep-22	**0.04 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI20103	0.10	01-Sep-22	02-Sep-22	**1.16 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/2/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 224 0687

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	E. Morris
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/30/22	1010	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	

RECEIVED
AUG 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	8/30/22	1146
Received by		Juan Devis IPC	8/30/22	12:03
Relinquished by		Juan Devis IPC	8/30/22	14:25
Received by				
Relinquished by				
Received in lab by		Alex Wall Jr. (ACL)	AUG 30 2022	

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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: 06-Sep-22 22:24
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0712-01) Collected: 30-Aug-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI20108	2	01-Sep-22	06-Sep-22	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0712

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	emorris
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
P.O. #:		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-30-22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	emorris	E. MORRIS	8-31-22	1045
Received by		Armando Olmos (PCL)	8/31/22	12:10
Relinquished by		Armando Olmos (PCL)	8/31/22	14:70
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr. (PCL) AUG 31 2022		1420

Sample Received Checklist

Temperature upon receipt:	Y-C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Sep-22 12:39
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0106-01) Collected: 06-Sep-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI20809	1	08-Sep-22	08-Sep-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI20816	0.10	08-Sep-22	08-Sep-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI20733	0.05	07-Sep-22	07-Sep-22	**0.17 mg/l**	
Nitrite as N	EPA 353.2	AI20733	0.05	07-Sep-22	07-Sep-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI21228	0.10	12-Sep-22	14-Sep-22	**0.74 mg/l**	

Notes and Definitions

QC-5 Sample was originally analyzed within hold time. However, it was determined that positive interference was contributing to the sample result. So the sample was reanalyzed at a dilution to eliminate the interference.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/14/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0106

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Weekly EFF - A**
Address:	9297 Research Drive	Sampled by:	Marie 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	9/6/22	11:07	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	

RECEIVED
SEP 06 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	9/6/22	11:48
Received by		Juan Devis (PCL)	9/6/22	13:05
Relinquished by		Juan Devis (PCL)	9/6/22	16:00
Received by				
Relinquished by				
Received in lab by		PCL	SEP 06 2022	

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp
Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other
Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; 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-Sep-22 09:07
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0150-01) Collected: 06-Sep-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI20813	2	08-Sep-22	13-Sep-22	**4 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/14/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0150

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	9-6-22	2259	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	9-7-22	1152
Received by		MARIO SANTIESTEBAN (PCL)	9/7/22	1335
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/7/22	1525
Received by				
Relinquished by				
Received in lab by		PCL	SEP 07 2022	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	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: 29-Sep-22 11:28
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0300-01) Collected: 13-Sep-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI21510	1	15-Sep-22	15-Sep-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI22137	0.10	21-Sep-22	26-Sep-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI21424	0.05	14-Sep-22	14-Sep-22	**0.25 mg/l**	
Nitrite as N	EPA 353.2	AI21424	0.05	14-Sep-22	14-Sep-22	**0.006 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI22135	0.10	21-Sep-22	29-Sep-22	**1.12 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/29/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22IO300

Customer: [illegible] Consultants Inc	Project : (MCC) Weekly EFF - A	
Address: [illegible]	Sampled by: E Morris	P.O. #:
	Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-13-22	1052	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	

RECEIVED
SEP 13 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E Morris	E. MORRIS	9-13-22	1151
Received by:	Juan Devis (PCL)	9-13-22	12:05
Relinquished by:	Juan Devis (PCL)	9-13-22	13:20
Received by:			
Relinquished by:			
Received in lab by:	Alex Walker Jr (PCL) SEP 13 2022		1320

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Sep-22 13:30
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0331-01) Collected: 13-Sep-22 By C.A of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI21512	2	15-Sep-22	20-Sep-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 9/20/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0331

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	09/13/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/14/22	1130
Received by		MARIO SANTIESTEBAN (PCL)	9/14/22	1532
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/14/22	1530
Received by				
Relinquished by				
Received in lab by		Alex Walton Jr (PCL)	SEP 14 2022	1520

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4.6

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Oct-22 14:17
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0464-01) Collected: 20-Sep-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI22216	1	22-Sep-22	23-Sep-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI22137	0.10	21-Sep-22	26-Sep-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI22132	0.05	21-Sep-22	21-Sep-22	**0.15 mg/l**	
Nitrite as N	EPA 353.2	AI22132	0.05	21-Sep-22	21-Sep-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI22631	0.10	26-Sep-22	05-Oct-22	**1.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/5/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0464

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF - A	
Address: 9297 Research Drive		Sampled by: E. Morris	P.O. #:
[illegible] CA [illegible]		Report Attention: RE Vergel / Golen Kili	Phone #: 949-382-9007

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/20/22	1115	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	

RECEIVED
SEP 20 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9/20/22	1130
Received by	Juan Deras (PCL)	9/20/22	13:00
Relinquished by	Juan Deras (PCL)	9/20/22	14:27
Received by			
Relinquished by			
Received in lab by	Alex Walkuski Jr. (PCL)	SEP 20 2022	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: 28-Sep-22 10:41
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0507-01) Collected: 20-Sep-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI22209	2	22-Sep-22	27-Sep-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210507

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly **EFF - B**
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	E MORRIS
		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	9-20-22	2259	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.7 / 26.3

RECEIVED
SEP 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E MORRIS	9-21-22	1147
Received by	Cindy Mathieu	9.21.22	1150
Relinquished by	Cindy Mathieu	9/21/22	2:20
Received by			
Relinquished by			
Received in lab by	Alex Walker (IPC) SEP 21 2022		14:27

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 07-Oct-22 17:20
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0634-01) Collected: 27-Sep-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI22830	1	28-Sep-22	29-Sep-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI22827	0.10	28-Sep-22	28-Sep-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI22629	0.05	28-Sep-22	28-Sep-22	**1.10 mg/l**	
Nitrite as N	EPA 353.2	AI22629	0.05	28-Sep-22	28-Sep-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ20617	0.10	06-Oct-22	07-Oct-22	**1.93 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/7/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0634

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	E. Morris
	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	9-27-22	1135	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	

RECEIVED
SEP 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	9-27-22	1154
Received by	Sriam Revis (PCL)	92722	12:54
Relinquished by	Sriam Revis (PCL)	9/27/22	14:42
Received by			
Relinquished by			
Received by	Alex Workstn (PCL)	SEP 27 2022	1442

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	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 - $CuSO_4$

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-Oct-22 12:50
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0652-01) Collected: 27-Sep-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI22906	2	29-Sep-22	04-Oct-22	**5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/4/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0652

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive	Sampled by:	Ric Varder / 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	9-27-22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Eric Morris	9-28-22	10:46
Received by	Armando Olmos (PCL)	9/28/22	13:30
Relinquished by	Armando Olmos (PCL)	9/28/22	15:30
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr. (PCL)	SEP 28 2022	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 13-Oct-22 12:10
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0079-01) Collected: 04-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ20538	1	05-Oct-22	06-Oct-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ21127	0.10	11-Oct-22	11-Oct-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ20535	0.05	05-Oct-22	05-Oct-22	**0.77 mg/l**	
Nitrite as N	EPA 353.2	AJ20535	0.05	05-Oct-22	05-Oct-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ21124	0.10	11-Oct-22	11-Oct-22	**2.08 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/13/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0079

Customer:	Project :	
Address:	Sampled by:	P.O. #:
	Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/4/22	1145	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	

RECEIVED
OCT 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	10/4/22	1152
Received by	Juan Devisilva	10/4/22	12:21
Relinquished by	Juan Devisilva	10/4/22	14:00
Received by			
Relinquished by			
Received in lab by	Alex Martinez (Acy)	OCT 04 2022	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: 11-Oct-22 12:37
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0107-01) Collected: 04-Oct-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ20611	2	06-Oct-22	11-Oct-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/11/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210107

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-4-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.0 1107

RECEIVED
OCT 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morris	10-5-22	1030
Received by		Cindy Mabry	10.5.22	1142
Relinquished by		Cindy Mabry	10.5.22	1255
Received by				
Relinquished by				
Received in lab by		Alexander Jr. (PCL)	OCT 05 2022	1255

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab 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: 19-Oct-22 12:33
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0246-01) Collected: 11-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ21227	1	12-Oct-22	12-Oct-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ21838	0.10	18-Oct-22	19-Oct-22	**0.15 mg/l**	
Nitrate as N	EPA 353.2	AJ21232	0.25	12-Oct-22	12-Oct-22	**0.33 mg/l**	
Nitrite as N	EPA 353.2	AJ21232	0.25	12-Oct-22	12-Oct-22	**<0.25 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ21230	0.10	12-Oct-22	13-Oct-22	**1.85 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0246

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - A
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	emorris
		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	10/11/22	1055	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	7.62 | 25.6

RECEIVED
OCT 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorris	E. MORRIS	10/11/22	1201
Received by:	Cindy Martinez	10.11.22	1210
Relinquished by:	Cindy Martinez	10.11.22	14:40
Received by:			
Relinquished by:			
Received at lab by:	Alex Valkov	OCT 11 2022	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.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 12:25
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0274-01) Collected: 11-Oct-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ21309	2	13-Oct-22	18-Oct-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 220274

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
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	10-11-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.7 / 10.6 C

RECEIVED
OCT 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	10-12-22	1147
Received by	Cindy Martinez	10-12-22	1330
Relinquished by	Cindy Martinez	10-12-22	1430
Received by			
Relinquished by			
Received in lab by	Alex Wanner	OCT 12 2022	1430

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	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 - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 14:57
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0419-01) Collected: 18-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ21927	1	19-Oct-22	19-Oct-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ22635	0.10	26-Oct-22	27-Oct-22	**0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ21734	0.05	19-Oct-22	19-Oct-22	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AJ21734	0.05	19-Oct-22	19-Oct-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ22416	0.20	24-Oct-22	25-Oct-22	**0.43 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/27/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0419

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	E. MORRIS
	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	10/18/22	1035	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	7.2 / 18.4

RECEIVED
OCT 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	E. MORRIS	10/18/22	1140
Received by	Cindy Martinez	Cindy Martinez	10-18-22	1214
Relinquished by	Cindy Martinez	Cindy Martinez	10-18-22	14:00
Received by				
Relinquished by				
Received in lab by	Alex Wallin	Alex Wallin	OCT 18 2022	1400

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Oct-22 13:19
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0449-01) Collected: 18-Oct-22 By EM of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ22008	2	20-Oct-22	25-Oct-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/26/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0449

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF - B	
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	10-18-22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.5 / 9.6 C

RECEIVED
OCT 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	10-19-22	1036
Received by		Cindy MARTINEZ	10-19-22	1155
Relinquished by		Cindy MARTINEZ	10-19-22	1347
Received by				
Relinquished by				
Received by		Alex Castillo Jr.	OCT 19 2022	1347

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes 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: 01-Nov-22 11:33
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0548-01) Collected: 25-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ22636	1	26-Oct-22	26-Oct-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ22635	0.10	26-Oct-22	27-Oct-22	**0.11 mg/l**	
Nitrate as N	EPA 353.2	AJ22642	0.05	26-Oct-22	26-Oct-22	**0.23 mg/l**	
Nitrite as N	EPA 353.2	AJ22642	0.05	26-Oct-22	26-Oct-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ23120	0.20	31-Oct-22	01-Nov-22	**0.38 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0548

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	10/25/22	1055	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.5/25.3-C
		"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
		"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	

RECEIVED
OCT 25 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. Morales	10/25/22	1147
Received by		Cindy Martinez	10-25-22	1147
Relinquished by		Cindy Martinez	10-25-22	1331
Received by				
Relinquished by				
Received (Lab) by		Alex Walker Jr.	OCT 25 2022	1331

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	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 - $CuSO_4$

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-Nov-22 15:45
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0573-01) Collected: 25-Oct-22 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ22706	2	27-Oct-22	01-Nov-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0573

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez 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	10/25/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.5 / 14.8 °C

RECEIVED
OCT 26 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/26/22	1130
Received by		Cindy Mtz	10/26/22	1230
Relinquished by		Cindy Martinez	10-26-22	1335
Received by				
Relinquished by				
Received in lab by		Alex Wallin	OCT 26 2022	1335

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: 16-Nov-22 12:49
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0042-01) Collected: 01-Nov-22 By JA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK20213	1	02-Nov-22	02-Nov-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK20414	0.10	04-Nov-22	04-Nov-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK20220	0.05	02-Nov-22	02-Nov-22	**1.46 mg/l**	
Nitrite as N	EPA 353.2	AK20220	0.05	02-Nov-22	02-Nov-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK20931	0.20	09-Nov-22	16-Nov-22	**1.03 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0042

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - A
Address:	9297 Research Drive	Sampled by:	Jesus Andres
	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	11/01/22	12:15	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.5	7.65
〃	〃	〃	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C		
〃	〃	〃	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C		

RECEIVED
NOV 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Andres	Jesus Andres (IPC)	11/01/22	12:20
Received by:	Cindy MARTINEZ	11-22	1220
Relinquished by:	Cindy MARTINEZ RH	122	1350
Received by:			
Relinquished by:			
Received in lab by:	Alex Wallace	NOV 01 2022	1350

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	

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Nov-22 19:02
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0090-01) Collected: 01-Nov-22 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK20307	2	03-Nov-22	08-Nov-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0090

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
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	11/01/22	0:00	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.1 / 18.0°C

RECEIVED
NOV 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	11/2/22	11:45
Received by	Cindy Martinez	11.2.22	1235
Relinquished by	Cindy Martinez	11.2.22	1400
Received by			
Relinquished by			
Received in lab by	Alex Weinstein	NOV 02 2022	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: 16-Nov-22 15:30
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0232-01) Collected: 08-Nov-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK21115	1	11-Nov-22	11-Nov-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK21433	0.10	14-Nov-22	15-Nov-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK20935	0.05	09-Nov-22	09-Nov-22	**0.99 mg/l**	
Nitrite as N	EPA 353.2	AK20935	0.05	09-Nov-22	09-Nov-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK20931	0.20	09-Nov-22	16-Nov-22	**1.15 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0232

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - A
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Maric 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	11/3/22	11:12	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	7.5 / 7.0 °C

RECEIVED
NOV 08 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maric Aguirre (IPC)	11/3/22	12:07
Received by		Cindy Martinez	11-3-22	2322
Relinquished by		Cindy Martinez	11-8-22	1447
Received by				
Relinquished by				
Received in lab by		Alex Walus	NOV 08 2022	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	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: 16-Nov-22 15:18
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0291-01) Collected: 08-Nov-22 By DH of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK21112	2	11-Nov-22	16-Nov-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0291

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF - B
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	11/8/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.9 / 5.2 °C

RECEIVED
11-9-22
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	11/9/22	1200
Received by		Cindy Martinez	11-9-22	13:15
Relinquished by		Cindy Martinez	11-9-22	1500
Received by				
Relinquished by				
Received in lab by		Alex Wollin Jr.	11/9/22	1520

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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.

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-Nov-22 14:01
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0427-01) Collected: 15-Nov-22 By GK of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK21640	1	16-Nov-22	17-Nov-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK21923	0.10	19-Nov-22	19-Nov-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK21636	0.05	16-Nov-22	16-Nov-22	**0.56 mg/l**	
Nitrite as N	EPA 353.2	AK21636	0.05	16-Nov-22	16-Nov-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK22123	0.20	21-Nov-22	23-Nov-22	**0.53 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/23/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0427

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - A
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	11/15/22	12:10	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.5 / 24.4
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	

RECEIVED
NOV 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Golan IPC	11/15/22	1225
Received by:	Cindy Martinez	11/15/22	1425
Relinquished by:	Cindy Martinez	11/15/22	2350
Received by:			
Relinquished by:			
Received in lab by:	Alex Wolkowski NOV	15 2022	1350

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 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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Nov-22 15:51
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0479-01) Collected: 15-Nov-22 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK21704	2	17-Nov-22	22-Nov-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/22/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0479

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly **EFF - B**	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Maric Aguirre / 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	11/15/22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.8/8.1-C

RECEIVED
NOV 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maric Aguirre (IPC)	11/16/22	12:11
Received by		Cindy Mattingly	11-16-22	12:12
Relinquished by		Cindy Mattingly	11-16-22	1325
Received by				
Relinquished by				
Received in lab by		Alex Wallace NOV 16 2022		1325

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 29-Nov-22 16:53
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0704-01) Collected: 22-Nov-22 By GK of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK22922	1	29-Nov-22	29-Nov-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK22930	0.10	29-Nov-22	29-Nov-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK22310	0.25	23-Nov-22	23-Nov-22	**2.53 mg/l**	
Nitrite as N	EPA 353.2	AK22310	0.25	23-Nov-22	23-Nov-22	**<0.25 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK22821	0.20	28-Nov-22	29-Nov-22	**1.00 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/29/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0704

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF - A	
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	11/22/22	10:40	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.6/22.2-C
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 22 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/22/22	1230
Received by	Cindy Martinez	11/22	1230
Relinquished by	Cindy Martinez	11/22/22	14:55
Received by			
Relinquished by			
Received in lab by	Alex Walkenhorst	NOV 22 2022	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 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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Dec-22 15:56
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0732-01) Collected: 22-Nov-22 By GK of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK22504	2	25-Nov-22	30-Nov-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0732

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF - B	
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	11/23/22	23:59 ~~2345~~	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.4 / 7.5 °C
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 23 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by: Gk	Golan IPC	11/23/22	1240
Received by:	Cindy MAPTIMES	11/23/22	1240
Relinquished by:	Cindy Martinez	11/23/22	1455
Received by:			
Relinquished by:			
Received in lab by:	Alex Walk Jr. NOV	23 2022	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 **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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 13:53
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0866-01) Collected: 29-Nov-22 By DH of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK23026	1	30-Nov-22	30-Nov-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL20531	0.10	05-Dec-22	05-Dec-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK23029	0.50	30-Nov-22	30-Nov-22	**1.36 mg/l**	
Nitrite as N	EPA 353.2	AK23029	0.05	30-Nov-22	30-Nov-22	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/21/2022
Lab Director

December 21, 2022

Lab No. : SP 2219660
Customer No. : 2012670

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: 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 No.	Matrix
22K0866-01	11/29/2022	12/09/2022	SP 2219660-001	WW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-12-21

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

December 21, 2022

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Description : 22K0866-01
Project : 22K0866

Lab No. : SP 2219660-001
Customer No. : 2012670

Sampled On : November 29, 2022 at 11:40
Sampled By : Not Available
Received On : December 9, 2022 at 15:13
Matrix : Waste Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Wet Chemistry							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	0.9	0.5	mg/L		1	l	12/16/2022	10:11	sta	EPA 351.2	12/19/2022	23:10	lcr

DQF Flags Definition:
l The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level , Dil.=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

December 21, 2022

Pat-Chem Laboratories

Lab No. : SP 2219660
Customer No. : 2012670

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	12/16/2022:214116STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	89.7%	73-124	
			MS	mg/L	12.00	-240%	54-136	435
		(VI 2249305-001)	MSD	mg/L	12.00	-241%	54-136	435
			MSRPD	mg/L	12.00	2.0%	≤27	
			MS	mg/L	12.00	55.7%	54-136	
		(VI 2249305-002)	MSD	mg/L	12.00	62.1%	54-136	
			MSRPD	mg/L	12.00	11.0%	≤27	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
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 analyted. 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.

Explanation

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
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

SUBCONTRACT ORDER

Pat-Chem Laboratories

22K0866

2219660

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 22K0866-01	WASTE **Water**	**Sampled:29-Nov-22 11:40**	[redacted]	**IPC - (MCC) Weekly EFF - A**
TKN 351.2	14-Dec-22 12:00	27-Dec-22 11:40		
Containers Supplied:				

Released By	Date	Received By	Date
	DEC 09 2022		
Released By	Date	Received By	Date
	12/9/22		1513

Condition Upon Receipt (Attach to COC) SP 2219660

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** /_____/_____/_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Celina D. Arenas** Digitally signed by Celina D. Arenas Title: Sample Receiving Date: 12/10/2022-11:46:43

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2219660
CDA-12/10/2022-11:46:43

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0866

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - A**
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey 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	11/29/22	1140	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	

RECEIVED
NOV 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	11/29/22	1220
Received by:	Juan Davis (IPCL)	11/29/22	12:29
Relinquished by:	Juan Davis (IPCL)	11/29/22	14:21
Received by:			
Relinquished by:			
Received in lab by:	Alex Hernandez NOV 29 2022		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 **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: 07-Dec-22 09:08
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0879-01) Collected: 29-Nov-22 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL20107	2	01-Dec-22	06-Dec-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/7/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0879

Customer: IPC - Integrated Performance Consultants, Inc.		Project.: **(MCC)** Weekly **EFF - B**	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mari 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	11/29/22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.4 / 7.1 °C

RECEIVED
NOV 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mari Aguirre GPC	11/30/22	11:16
Received by		Cindy Martinez	11/30/22	1140
Relinquished by		Cindy Martinez	11.30.22	13:15
Received by				
Relinquished by				
Received in lab by		Alex Walker NOV 30 2022		13:15

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 03-Jan-23 23:30
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0203-01) Collected: 06-Dec-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL20736	1	07-Dec-22	08-Dec-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL20912	0.10	09-Dec-22	09-Dec-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL20732	0.50	07-Dec-22	07-Dec-22	**3.16 mg/l**	
Nitrite as N	EPA 353.2	AL20732	0.05	07-Dec-22	07-Dec-22	**<0.05 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/3/2023
Lab Director

January 3, 2023

Lab No. : SP 2219701
Customer No. : 2012670

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: 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 No.	Matrix
22L0203-01	12/06/2022	12/09/2022	SP 2219701-001	WW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-01-03

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

January 3, 2023

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Description : 22L0203-01
Project : 22L0203

Lab No. : SP 2219701-001
Customer No. : 2012670

Sampled On : December 6, 2022 at 12:00
Sampled By : Not Available
Received On : December 9, 2022 at 15:13
Matrix : Waste Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Wet Chemistry							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	0.9	0.5	mg/L		1		12/23/2022	11:20	sta	EPA 351.2	12/28/2022	17:19	lcr

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Page 2 of 3

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

January 3, 2023

Pat-Chem Laboratories

Lab No. : SP 2219701
Customer No. : 2012670

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	12/23/2022:214392STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	87.9%	73-124	
			MS	mg/L	12.00	88.2%	54-136	
		(CC 2284613-008)	MSD	mg/L	12.00	85.7%	54-136	
			MSRPD	mg/L	12.00	2.9%	≤27	
			MS	mg/L	12.00	82.9%	54-136	
		(CC 2284613-009)	MSD	mg/L	12.00	81.6%	54-136	
			MSRPD	mg/L	12.00	1.3%	≤27	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
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 analyted. 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.

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

22L0203

2219701

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
	WASTE			
Sample ID: 22L0203-01	**Water**	**Sampled:06-Dec-22 12:00**	[redacted]	**IPC - (MCC) Weekly EFF - A**
TKN 351.2	21-Dec-22 12:00	03-Jan-23 12:00		
Containers Supplied:				

Released By — Date: DEC 09 2022 — Received By — Date

Released By — Date — Received By: MC — Date: 12/9/22 1513

201 17

Condition Upon Receipt (Attach to COC) SP 2219701

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** /_____/_____/_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Celina D. Arenas** Digitally signed by Celina D. Arenas Title: Sample Receiving Date: 12/10/2022-11:57:07

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2219701
CDA-12/10/2022-11:57:07

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260203

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - A**
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Carlos Alvarez 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	12/06/22	1200	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.4/23.5-C
"	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 06 2022
Alex Walls Jr.

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/06/22	1210
Received by		Cindy Mattner	12.6.22	1225
Relinquished by		Cindy Mattner	12-6-22	2:15
Received by				
Relinquished by				
Received in lab by		Alex Walls Jr. DEC 06 2022		14:15

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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Dec-22 12:58
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0264-01) Collected: 06-Dec-22 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL20817	2	08-Dec-22	13-Dec-22	**3 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210264

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly EFF - B
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	12/6/22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	7.6 / 6.7 °C
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 07 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	12/7/22	11:32
Received by			12/7/22	1132
Relinquished by			12-7-22	1300
Received by				
Relinquished by				
Received in lab by		Alex Walker DEC 07 2022		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	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: 11-Jan-23 17:26
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0465-01) Collected: 13-Dec-22 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL21432	1	14-Dec-22	14-Dec-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL22020	0.10	20-Dec-22	11-Jan-23	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL21509	0.05	15-Dec-22	19-Dec-22	**0.97 mg/l**	
Nitrite as N	EPA 353.2	AL21509	0.05	15-Dec-22	19-Dec-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA30922	0.20	09-Jan-23	10-Jan-23	**0.70 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/11/2023
Lab Director

January 10, 2023

Lab No. : **SP 2219922**
Customer No. : **2012670**

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: 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 No.	Matrix
22L0465-01	12/13/2022	12/14/2022	SP 2219922-001	WW

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 351.2	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-01-10

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

January 10, 2023

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Description : 22L0465-01
Project : 22L0465

Lab No. : SP 2219922-001
Customer No. : 2012670

Sampled On : December 13, 2022 at 11:00
Sampled By : N/A
Received On : December 14, 2022 at 13:13
Matrix : Waste Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Wet Chemistry							Date	Time	Who	Method	Date	Time	Who
Nitrogen, Total Kjeldahl	0.7	0.5	mg/L		1		12/30/2022	12:20	sta	EPA 351.2	01/04/2023	20:16	lcr

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level , Dil.=Dilution

Page 2 of 3

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

January 10, 2023

Pat-Chem Laboratories

Lab No. : SP 2219922
Customer No. : 2012670

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Nitrogen, Total Kjeldahl	351.2	12/30/2022:214644STA	Blank	mg/L		ND	<0.5	
			LCS	mg/L	12.00	90.5%	73-124	
			MS	mg/L	12.00	97.9%	54-136	
		(SP 2219890-001)	MSD	mg/L	12.00	78.5%	54-136	
			MSRPD	mg/L	12.00	21.9%	≤27	
			MS	mg/L	12.00	91.7%	54-136	
		(SP 2219892-001)	MSD	mg/L	12.00	88.0%	54-136	
			MSRPD	mg/L	12.00	3.2%	≤27	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.
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 analyted. 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.

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

22L0465 22LA922

SENDING LABORATORY:

Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340
Phone: 818-639-5300
Fax: 818-639-5306
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

Fruit Growers - FGL
853 Corporation Street
Santa Paula, CA 93060
Phone :(805) 525-3824
Fax: (805) 525-4172

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 22L0465-01	WASTE **Water**	**Sampled: 13-Dec-22 11:00**	[redacted]	**IPC - (MCC) Weekly EFF - A**
TKN 351.2	28-Dec-22 12:00	10-Jan-23 11:00		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	DEC 14 2022	DA	12/14/22 13:13
Released By	Date	Received By	Date

Condition Upon Receipt (Attach to COC) SP 2219922

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **12** / _____ / _____ / _____ / _____ / _____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Daisy Aguayo** Digitally signed by Daisy Aguayo Title: Sample Receiving Date: 12/16/2022-16:58:33

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2219922
DA0-12/16/2022-16:58:33

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0465

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - A**
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	12/13/22	1100	1	TSS, Nitrate, Nitrite	Grab	AQ	1-Liter-Plastic	4°C	7.67/21.3c
	11	1100	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			~~1~~	~~Nitrate, Nitrite~~	Grab	AQ	250ml Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 13 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	12/13/22	1110
Received by	MARIO SANTIESTEBAN (PCL)	12/13/22	1600
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/13/22	1825
Received by			
Relinquished by			
Received in lab by	Alex Wardlaw DEC 13 2022		1825

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	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: 03-Jan-23 10:12
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0506-01) Collected: 13-Dec-22 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL21605	2	16-Dec-22	21-Dec-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/3/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2220506

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF - B	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Marie 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	12/13/22	23:59	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
DEC 14 2022
By Alex Valdivia Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	12/14/22	11:32
Received by	MARIO SANTIESTEBAN (PCL)	12/14/22	1140
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/14/22	1520
Received by			
Relinquished by			
Received in lab by	Alex Valdivia Jr. DEC	14 2022	1520

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	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** -$CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Dec-22 14:40
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0695-01) Collected: 20-Dec-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL22139	1	21-Dec-22	22-Dec-22	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL22131	0.10	21-Dec-22	27-Dec-22	**0.34 mg/l**	
Nitrate as N	EPA 353.2	AL22305	0.10	23-Dec-22	23-Dec-22	**1.46 mg/l**	
Nitrite as N	EPA 353.2	AL22305	0.05	23-Dec-22	23-Dec-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL22905	0.20	29-Dec-22	30-Dec-22	**0.83 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/30/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210695

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - A**
Address:	9297 Research Drive	Sampled by:	Carlos 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	12/20/22	1115	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	

RECEIVED
DEC 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SEC)	12/20/22	1125
Received by		MARIO SANTIESTEBAN (PCL)	12/20/22	1255
Relinquished by		MARIO SANTIESTEBAN (PCL)	12/20/22	1445
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr. DEC 20 2022		1445

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: 03-Jan-23 10:20
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0729-01) Collected: 20-Dec-22 By DH of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL22209	2	22-Dec-22	27-Dec-22	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/3/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210729

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - B**
Address:	9297 Research Drive	Sampled by:	Daniel Huey
	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	12/20/22	2359	1	Biochemical Oxygen Demand (BOD)	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
DEC 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	12/21/22	1115
Received by:	Richard M. (PCL)	12/21/22	1530
Relinquished by:	Richard M. (PCL)	12/21/22	1450
Received by:			
Relinquished by:			
Received in lab by: Alex Walker Jr.	Alex Walker, DEC	21 2022	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.

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-Jan-23 17:28
Subject: (MCC) Weekly EFF A

Project/P.O.#: (MCC) Weekly EFF A

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0837-01) Collected: 27-Dec-22 By DH of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL22919	1	29-Dec-22	30-Dec-22	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL22911	0.10	29-Dec-22	29-Dec-22	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL22828	0.05	28-Dec-22	28-Dec-22	**0.74 mg/l**	
Nitrite as N	EPA 353.2	AL22828	0.05	28-Dec-22	28-Dec-22	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA30923	0.20	09-Jan-23	11-Jan-23	**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,



Stephen Sakai 1/11/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0837

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **EFF - A**
Address:	9297 Research Drive	Sampled by:	Daniel Hwy
	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	12/27/22	1135	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 27 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Hwy	Daniel (IPC)	12/27/22	1220
Received by:	MARIO SANTIESTEBAN (PCL)	12/27/22	1320
Relinquished by:	MARIO SANTIESTEBAN (PCL)	12/27/22	1515
Received by:			
Relinquished by:			
Received in lab by:	Alex Walla Jr. DEC 27 2022		1515

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	

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-Jan-23 15:56
Subject: (MCC) Weekly EFF B

Project/P.O.#: (MCC) Weekly EFF B

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0923-01) Collected: 29-Dec-22 By ET of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA30104	2	01-Jan-23	06-Jan-23	**<2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/6/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2240923

(MCC) Weekly ~~INF~~ EFF B

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :**	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** ERVIN TUCKER	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:**	949-382-9067

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	TSS	Comp	AQ	1-Liter Plastic	4°C	
EFF (B)	12/29/22	23:59	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ervin Tucker (IPC)	12/30/22	11:07am
Received by	Juan Davis (PLC)	12/30/22	3:60
Relinquished by	Juan D. (PLC)	12/30/22	14:42
Received by			
Relinquished by			
Received in lab by	Alex Walker DEC 30 2022		1442

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	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 - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jan-22 15:59
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22A0108-01) Collected: 05-Jan-22 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA20822	1	08-Jan-22	09-Jan-22	**150 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA20636	2	06-Jan-22	11-Jan-22	**318 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0108

Customer: IPC - Integrated Performance Consultants, Inc		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/04/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JAN 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/05/22	1155
Received by		Jonathan V. (PCL)	1/5/22	1225
Relinquished by		Jonathan V. (PCL)	1/5/22	1330
Received by				
Relinquished by				
Received in Lab by		JAN 05 2022		1770

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	Yes 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: 18-Jan-22 14:39
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22A0326-01) Collected: 11-Jan-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA21329	1	13-Jan-22	13-Jan-22	**171 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA21327	2	13-Jan-22	18-Jan-22	**275 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/18/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0326

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
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
INF	1/11/22	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JAN 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/12/22	12:25
Received by		MARIO SANTIESTEBAN (PCL)	1/12/22	1354
Relinquished by		MARIO SANTIESTEBAN (PCL)	1/12/22	1600
Received by				
Relinquished by				
Received in lab by			JAN 12 2022	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) 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: 25-Jan-22 17:25
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22A0525-01) Collected: 19-Jan-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA22128	1	21-Jan-22	22-Jan-22	**204 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA22037	2	20-Jan-22	25-Jan-22	**397 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/25/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0525

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive	Sampled by:	Carlos 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	01/18/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JAN 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/19/22	1140
Received by		Jonathan V. (PCL)	1/19	1200
Relinquished by		Jonathan V. (PCL)	1/19	1320
Received by				
Relinquished by				
Received by		JAN 19 2022		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 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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Feb-22 14:33
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22A0664-01) Collected: 25-Jan-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA22832	1	28-Jan-22	29-Jan-22	**78 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA22735	2	27-Jan-22	01-Feb-22	**306 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0664

Customer: IPC - Integrated Performance Consultants, Inc		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/25/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	~~7.7~~ / 18.4
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	7.5

RECEIVED
JAN 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/26/22	1110
Received by		Cindy Mercer	1/26/22	1200
Relinquished by		Cindy Mercer	1-26-22	1335
Received by				
Relinquished by				
Received at lab by		JAN 26 2022		1335

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 08-Feb-22 13:11
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22B0068-01) Collected: 01-Feb-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB20406	1	04-Feb-22	04-Feb-22	**190 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB20328	2	03-Feb-22	08-Feb-22	**371 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22B0068

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) Weekly INF
Address:	9297 Research Drive	Sampled by:	Carlos 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	02/01/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
FEB 02 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/01/22	1150
Received by		Jonathan V. (PCL)	2/1/22	1200
Relinquished by		Jonathan V. (PCL)	2/1/22	1320
Received by				
Relinquished by				
Received in lab by			FEB 02 2022	1320

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: 15-Feb-22 11:28
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22B0232-01) Collected: 09-Feb-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB21027	1	10-Feb-22	11-Feb-22	**249 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB21025	2	10-Feb-22	15-Feb-22	**406 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/15/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22B0232

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
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
INF	2/8/22	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.6/18.2
〃	〃	〃	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
FEB 08 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/9/22	11:44
Received by		Cindy Martinez	2-9-22	11:50
Relinquished by		Cindy Martinez	2-9-22	13:10
Received by				
Relinquished by				
Received by			FEB 09 2022	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 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: 22-Feb-22 14:49
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22B0377-01) Collected: 15-Feb-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB21628	1	16-Feb-22	17-Feb-22	**229 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB21729	2	17-Feb-22	22-Feb-22	**545 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 2/22/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2280377

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	02/15/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
FEB 16 2022
By

Geotracker EDD:
Logcode: IPC!
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/16/22	1145
Received by		Jonathan V. (PC)	2/16	12:00
Relinquished by		Jonathan V. (PC)	2/16	13:48
Received by				
Relinquished by				
Received by lab by			FEB 16 2022	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	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: 01-Mar-22 15:59
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22B0526-01) Collected: 22-Feb-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB22427	1	24-Feb-22	25-Feb-22	**256 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB22425	2	24-Feb-22	01-Mar-22	**392 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2230526

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) Weekly INF

Address: 9297 Research Drive, Irvine, CA 92618
Sampled by: Carlos Alvarez
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	02/22/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.6/15.1-C
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
FEB 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/23/22	12:20
Received by		Cindy Martinez	2-23-22	12:20
Relinquished by		Cindy Martinez	2-23-22	13:30
Received by				
Relinquished by				
Received in lab by		FEB 23 2022		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	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: 09-Mar-22 09:50
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22C0066-01) Collected: 01-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC20310	1	03-Mar-22	04-Mar-22	**263 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC20307	2	03-Mar-22	08-Mar-22	**348 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/9/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 220066

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	03/01/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	03/02/22	1130
Received by	Jonathan V.	3/2	1240
Relinquished by	Jonathan V.	3/2	13:40
Received by			
Relinquished by			
Received in lab by	MAR 02 2022		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	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: 16-Mar-22 17:22
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22C0235-01) Collected: 08-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC21022	1	10-Mar-22	11-Mar-22	**276 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC21014	2	10-Mar-22	15-Mar-22	**375 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 3/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2200235

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive	Sampled by:	Carlos 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	03/08/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.5 / 13.3
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/09/22	1145
Received by		Cindy Mapmen	3-9-22	1230
Relinquished by		Cindy Mapmen	3-9-22	1350
Received by				
Relinquished by				
Received in lab by		MAR 09 2022		1358

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	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: 22-Mar-22 16:54
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22C0398-01) Collected: 16-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC21713	1	17-Mar-22	18-Mar-22	**316 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC21707	2	17-Mar-22	22-Mar-22	**425 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/22/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260398

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) Weekly INF
Sampled by: Carlos Alvarez / Ric Vardei / 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	03/15/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/16/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	3/16/22	1150
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/16/22	1335
Received by				
Relinquished by				
Received in lab by		MAR 16 2022		1335

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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: 29-Mar-22 13:58
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22C0564-01) Collected: 23-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC22413	1	24-Mar-22	25-Mar-22	**324 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC22410	2	24-Mar-22	29-Mar-22	**370 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 3/29/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2200564

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Carlos 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
INF	03/22/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 23 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/23/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	3/23/22	1455
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/23/22	1650
Received by				
Relinquished by				
Received in lab by			MAR 23 2022	1650

Sample Received Checklist

Temperature upon receipt:	4 °C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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-22 16:52
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22C0749-01) Collected: 29-Mar-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD20107	1	01-Apr-22	01-Apr-22	**287 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD20105	2	01-Apr-22	06-Apr-22	**444 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2200749

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez / Ric Verdel / 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	03/29/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.5 / 13.4 °C
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez IPC	03/30/22	1210
Received by		Cindy Morris	3/30/22	13:10
Relinquished by		Cindy Morris	3/30/22	2425
Received by				
Relinquished by				
Received in Lab by			MAR 30 2022	1425

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 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: 12-Apr-22 12:59
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22D0227-01) Collected: 05-Apr-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD20813	1	08-Apr-22	09-Apr-22	**253 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD20710	2	07-Apr-22	12-Apr-22	**580 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/12/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0227

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/05/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
APR 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/06/22	1150
Received by		Cindy Martinez (LAC)	4-6-22	1330
Relinquished by		Cindy Martinez (LAC)	4/6/22	1430
Received by				
Relinquished by				
Received in lab by		APR 06 2022		1450

Sample Received Checklist

Temperature upon receipt:	Y
# of bottles agrees with COC?	(Yes) 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: 19-Apr-22 16:02
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22D0402-01) Collected: 12-Apr-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD21336	1	13-Apr-22	14-Apr-22	**276 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD21412	2	14-Apr-22	19-Apr-22	**853 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0402

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	04/12/22	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
APR 13 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/13/22	1200
Received by		Jonathan V. (IPC)	4/13	1205
Relinquished by		Jonathan V. (IPC)	4/13	1314
Received by				
Relinquished by				
Received in lab by		APR 13 2022		1314

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	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: 26-Apr-22 14:56
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22D0598-01) Collected: 19-Apr-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD22111	1	21-Apr-22	22-Apr-22	**301 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD22103	2	21-Apr-22	26-Apr-22	**420 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 4/26/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0598

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
INF	04/19/22	2359	1	TSS	Comp	AQ	1 Liter Plastic	4°C	6.7 / 12.2
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
APR 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/20/22	1140
Received by		Cindy Marty	4-20-22	1505
Relinquished by		Cindy Marty	4-20-22	1525
Received by				
Relinquished by				
Received in lab by			APR 20 2022	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	**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-22 11:41
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22D0725-01) Collected: 26-Apr-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD22813	1	28-Apr-22	29-Apr-22	**265 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AD22807	2	28-Apr-22	03-May-22	**565 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/3/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0725

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	04/20/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
APR 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/27/22	1311
Received by		MARIO SANTIESTEBAN (PCL)	4/27/22	1311
Relinquished by		MARIO SANTIESTEBAN (PCL)	4/27/22	1445
Received by				
Relinquished by				
Received by			APR 27 2022	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
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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: 17-May-22 09:53
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22E0119-01) Collected: 03-May-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE20605	1	06-May-22	06-May-22	**181 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE20509	2	05-May-22	10-May-22	**338 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/17/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0119

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: E. Morris	P.O. #:
		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	5-3-22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAY 04 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris IPC	5/4/22	1155
Received by	Juan Devis (PCL)	5/4/22	14:25
Relinquished by	Juan Devis (PCL)	5/4/22	16:46
Received by			
Relinquished by			
Received at lab by		MAY 04 2022	1646

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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: 17-May-22 09:56
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22E0286-01) Collected: 10-May-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE21215	1	12-May-22	13-May-22	**130 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE21205	2	12-May-22	17-May-22	**375 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/17/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0286

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	E Morris
		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	5-10-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	〃	〃	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAY 11 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	E Morris	E. Morris IPC	5-11-22	1123
Received by		Juan Revis (PCL)	5-11	13:00
Relinquished by		Juan Revis (PCL)	5-11	17:21
Received by				
Relinquished by				
Received in lab by		MAY 11 2022		1721

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 24-May-22 09:37
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22E0492-01) Collected: 17-May-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE21914	1	19-May-22	20-May-22	**262 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE21912	2	19-May-22	24-May-22	**369 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/24/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0492

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
Irvine	CA 92618	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	5-17-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAY 18 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	5-18-22	12:10
Received by		Juan Devis (PCL)	5/18/22	13:35
Relinquished by		Juan Devis (PCL)	5/18/22	16:40
Received by				
Relinquished by				
Received in lab by		MAY 18 2022		1640

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: 02-Jun-22 13:25
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22E0650-01) Collected: 24-May-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AE22610	1	26-May-22	27-May-22	**236 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AE22607	2	26-May-22	31-May-22	**458 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/2/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0650

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	05/24/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
1	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
MAY 25 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	05/25/22	1150
Received by	Juan Devis (PCL)	05/25/22	12:44
Relinquished by	Juan Devis (PCL)	5/25/22	15:37
Received by			
Relinquished by			
Received in lab by	MAY 25 2022		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.

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-22 16:01
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22F0042-01) Collected: 31-May-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF20638	1	06-Jun-22	07-Jun-22	**279 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF20306	2	03-Jun-22	08-Jun-22	**464 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0642

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	05/31/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUN 01 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	05/01/22	1130
Received by		MARIO SAN-JIESTEBAN (PCL)	6/1/22	1244
Relinquished by		MARIO SANJIESTEBAN (PCL)	6/1/22	1428
Received by				
Relinquished by				
Received by		JUN 01 2022		1428

Sample Received Checklist 4°C

Temperature upon receipt:	1428	
# of bottles agrees with COC?	Yes	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: 13-Jun-22 19:27
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22F0209-01) Collected: 08-Jun-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF20914	1	09-Jun-22	10-Jun-22	**199 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF20831	2	08-Jun-22	13-Jun-22	**345 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/13/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0209

Customer:	IPC - integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Ric Vardel / Golan Kfir
		Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	6-8-22	1105	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAY 08 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	6-8-22	1133
Received by		Juan Pevis (PCL)	6-8-22	12:18
Relinquished by		Juan Pevis (PCL)	6-8-22	16:20
Received by				
Relinquished by				
Received in lab by			MAY 08 2022	1620

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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jun-22 11:22
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22F0411-01) Collected: 15-Jun-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF21616	1	16-Jun-22	17-Jun-22	**255 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF21615	2	16-Jun-22	21-Jun-22	**512 mg/l**	B-01

Notes and Definitions

B-01 The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 6/21/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22-0411

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: emorris Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	6-14-22	1159 PM	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUN 15 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorris	E. MORRIS IPC	6-15-22	1045
Received by:	Juan Davis (PCL)	6-15-22	12:51
Relinquished by:	Juan Davis (PCL)	6-15-22	17:00
Received by:			
Relinquished by:			
Received in Lab by:	JUN 15 2022		1700

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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: 28-Jun-22 14:59
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22F0615-01) Collected: 21-Jun-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF22311	1	23-Jun-22	24-Jun-22	**167 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF22307	2	23-Jun-22	28-Jun-22	**612 mg/l**	B-01

Notes and Definitions

B-01 The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0615

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	6-21-22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUN 22 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	6-22-22	1130
Received by	Juan Devis (PCL)	6-22-22	12:16
Relinquished by	Juan Devis (PCL)	6-22-22	15:50
Received by			
Relinquished by			
Received in lab by		JUN 22 2022	1550

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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-Jul-22 11:30
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22F0770-01) Collected: 28-Jun-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AF23015	1	30-Jun-22	01-Jul-22	**281 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AF23005	2	30-Jun-22	05-Jul-22	**488 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0778

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: E. Morris	P.O. #:	949-382-9067
	Report Attention: Ric Vardel / Golan Kfir	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	6-28-22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUN 29 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris IPC	6-29-22	1144
Received by	Juan Davis (PCL)	6-29-22	12:03
Relinquished by	Juan Davis (PCL)	6-29-22	14:45
Received by			
Relinquished by			
Received in lab by		JUN 29 2022	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	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: 12-Jul-22 15:07
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22G0116-01) Collected: 05-Jul-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG20706	1	07-Jul-22	07-Jul-22	**299 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG20710	2	07-Jul-22	12-Jul-22	**444 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/12/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22GB116

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067
		Report Attention:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	7-5-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUL 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	7-6-22	1117
Received by		Juan Nevis (PCL)	7-6-22	13:57
Relinquished by		Juan Nevis (PCL)	7-6-22	17:21
Received by				
Relinquished by				
Received in lab by			JUL 06 2022	1731

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes 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: 19-Jul-22 09:01
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22G0310-01) Collected: 12-Jul-22 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG21412	1	14-Jul-22	15-Jul-22	**265 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG21403	2	14-Jul-22	19-Jul-22	**402 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 226031Ø

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	07/12/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUL 13 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/13/22	11:10
Received by		Juan Davis (PCL)	7/13/22	12:17
Relinquished by		Juan Davis (PCL)	7/13/22	16:26
Received by				
Relinquished by				
Received in lab by			JUL 13 2022	1626

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: 28-Jul-22 09:39
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22G0482-01) Collected: 19-Jul-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG22106	1	21-Jul-22	21-Jul-22	**294 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG22205	2	22-Jul-22	27-Jul-22	**516 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22G0482

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	7-19-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUL 20 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	E. MORRIS	7-20-22	1156
Received by	Juan Davis (PCL)	7-20-22	12:12
Relinquished by	Juan Davis (PCL)	7-20-22	16:28
Received by			
Relinquished by			
Received in lab by		JUL 20 2022	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 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: 02-Aug-22 11:31
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22G0615-01) Collected: 26-Jul-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG22904	1	29-Jul-22	29-Jul-22	**330 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG22803	2	28-Jul-22	02-Aug-22	**542 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/2/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample 226

Sample I.D.#: 226160 22 G(C15

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: emorris Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	7-26-22	0915	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	7-26-22	0915	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
	7-26-22	2359		emorris					

RECEIVED
JUL 27 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Relinquished by / Received by	Signature	Print Name (Company)	Date	Time
Relinquished by	emorris	E. Morris	7-27-22	1003
Received by		Juan Nevis (PCL)	7-27-22	11:48
Relinquished by		Juan Nevis (PCL)	7-27-22	15:54
Received by				
Relinquished by				
Received in lab by		JUL 27 2022		1554

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Aug-22 12:17
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22H0117-01) Collected: 02-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH20410	1	04-Aug-22	05-Aug-22	**285 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH20404	2	04-Aug-22	09-Aug-22	**663 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/9/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0117

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #:	949-382-9067
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	8-2-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 0 3 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	8-3-22	1133
Received by	Juan Davis (PCL)	8-3-22	12:15
Relinquished by	Juan Davis (PCL)	8-3-22	15:50
Received by			
Relinquished by			
Received in lab by		AUG 0 3 2022	15:50

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 16-Aug-22 10:04
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22H0278-01) Collected: 09-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH21206	1	12-Aug-22	12-Aug-22	**331 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH21104	2	11-Aug-22	16-Aug-22	**688 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 8/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H6278

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: emerry Ric Vardel / Golan Kfir	P.O. #:	949-382-9067
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	8-9-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	emerry	E. MORRIS	8-10-22	1054
Received by		Juan Davis (PCL)	8-10-22	13:46
Relinquished by		Juan Davis (PCL)	8-10-22	17:00
Received by				
Relinquished by				
Received in lab by		Pat-Chem	AUG 10 2022	1700

Sample Received Checklist

Temperature upon receipt:	4 °C
# of bottles agrees with COC?	Yes 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: 24-Aug-22 10:33
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22H0490-01) Collected: 18-Aug-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH22222	1	22-Aug-22	22-Aug-22	**274 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH21909	2	19-Aug-22	24-Aug-22	**530 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/24/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0490

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/18/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 19 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SB)	08/19/22	1145
Received by		Jonathan V. (PC)	8/19	1210
Relinquished by		Jonathan V. (PC)	8/19	13:30
Received by				
Relinquished by				
Received in lab by			AUG 19 2022	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 - $CuSO_4$

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-22 09:26
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22H0567-01) Collected: 23-Aug-22 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH22511	1	25-Aug-22	25-Aug-22	**274 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH22506	2	25-Aug-22	30-Aug-22	**564 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/30/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210567

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Kyle Vardel	Report Attention: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
			Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	8/23/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 24 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	8/24/22	1110
Received by	Juan Devisti (L)	8/24/22	12:14
Relinquished by	Juan Revis (PCL)	8/24/22	14:10
Received by			
Relinquished by			
Received at lab by		AUG 24 2022	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	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	

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-22 14:00
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22H0713-01) Collected: 30-Aug-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI20809	1	08-Sep-22	08-Sep-22	**236 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI20108	2	01-Sep-22	06-Sep-22	**583 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0713

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
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	8-30-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 31 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	8 31-22	1045
Received by	Armando Olmos (IPC)	8/31/22	12:10
Relinquished by	Armando Olmos (IPC)	8/31/22	14:20
Received by			
Relinquished by			
Received in lab by	Nga Walton (ACL) AUG 31 2022		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.

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-Sep-22 09:05
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22I0151-01) Collected: 06-Sep-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI20914	1	09-Sep-22	09-Sep-22	**316 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI20813	2	08-Sep-22	13-Sep-22	**485 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/14/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0151

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
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	9-6-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 07 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9-7-22	1152
Received by	MARIO SANTIESTEBAN (PCL)	9/7/22	1330
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/7/22	1525
Received by			
Relinquished by			
Received in Lab by	PCL	SEP 07 2022	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	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: 20-Sep-22 13:29
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22I0332-01) Collected: 13-Sep-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI21515	1	15-Sep-22	16-Sep-22	**216 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI21512	2	15-Sep-22	20-Sep-22	**429 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/20/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0332

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Carlos 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
INF	09/13/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	
1	1	1							

RECEIVED
SEP 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (SPC)	09/14/22	1130
Received by	MARIO SANTIESTEBAN (PCL)	9/14/22	1333
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/14/22	1520
Received by			
Relinquished by			
Received for lab by	Alexander Jr. (PCL)	SEP 14 2022	1520

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
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Sep-22 10:42
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22I0508-01) Collected: 20-Sep-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI22216	1	22-Sep-22	23-Sep-22	**264 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI22209	2	22-Sep-22	27-Sep-22	**371 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 9/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0508

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
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	9-20-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	8.0/13.0 °C
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 21 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9-21-22	1147
Received by	Cindy Morris	9.21.22	1450
Relinquished by	Cindy Morris	9/21/22	2:27
Received by			
Relinquished by			
Received in lab by	Alex Walkinshaw (PCL)	SEP 21 2022	14:27

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 04-Oct-22 12:46
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22I0657-01) Collected: 27-Sep-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI23010	1	30-Sep-22	30-Sep-22	**302 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI22906	2	29-Sep-22	04-Oct-22	**138 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/4/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22I0657

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) ~~Weekly~~ INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #:	949-382-9067
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	9-27-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	〃	〃	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 28 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	9-28-22	1046
Received by	Armando Olmos IPC	9/28/22	13:50
Relinquished by	Armando Olmos IPC	9/28/22	15:30
Received by			
Relinquished by			
Received in lab by	Alex Walton	SEP 28 2022	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 11-Oct-22 12:38
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22J0109-01) Collected: 04-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ20615	1	06-Oct-22	07-Oct-22	**277 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ20611	2	06-Oct-22	11-Oct-22	**371 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/11/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0109

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: emorris 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	10-4-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	6.8 / 10-0
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
OCT 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: emorris	E. Morris	10-5-22	1030
Received by: Cindy Martinez	Cindy Martinez	10-5-22	1145
Relinquished by: Cindy Martinez	Cindy Martinez	10-5-22	1255
Received by:			
Relinquished by:			
Received for lab by:	Alexander Martinez (ACI)	OCT 05 2022	1255

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
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Oct-22 12:16
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22J0278-01) Collected: 11-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ21311	1	13-Oct-22	14-Oct-22	**307 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ21309	2	13-Oct-22	18-Oct-22	**263 mg/l**	B-02

Notes and Definitions

B-02 The sample dilutions set up for the BOD analysis failed to met the criteria of a residual dissolved oxygen of at least 1 mg/l. Therefore the reported result is an estimated value only.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210278

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) ~~Weekly~~ INF	
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	10/11/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	6.8/8-5-C
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
OCT 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS	10/12/22	1147
Received by		Cindy Martinez	10.12.22	13:00
Relinquished by		Cindy Martinez	10-12-22	1430
Received by				
Relinquished by				
Received in lab by		Alex Walton OCT 12 2022		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 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: 26-Oct-22 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.# : 22J0451-01) Collected: 18-Oct-22 By EM of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ22003	1	20-Oct-22	20-Oct-22	**268 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ22008	2	20-Oct-22	25-Oct-22	**362 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/26/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0451

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	10-18-22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	6.8 / 10.2
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
OCT 19 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	10-19-22	0936
Received by	Cindy MATA	10.19.22	1153
Relinquished by	Cindy MATA	10-19-22	1347
Received by			
Relinquished by			
Received in lab by	Alex Walka Jr.	OCT 19 2022	1347

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 01-Nov-22 15:43
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22J0576-01) Collected: 25-Oct-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ22709	1	27-Oct-22	28-Oct-22	**297 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ22706	2	27-Oct-22	01-Nov-22	**450 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0576

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		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	10/25/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	6.8 / 10.2 - C
	1	1							

RECEIVED
OCT 26 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/25/22	1130
Received by		Cindy MARTINEZ	10/26/22	1230
Relinquished by		Cindy Martinez	10/26/22	1335
Received by				
Relinquished by				
Received in lab by		Alex Wallin Jr.	OCT 26 2022	1335

Sample Received Checklist 4C

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: 08-Nov-22 19:01
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22K0091-01) Collected: 01-Nov-22 By JA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK20310	1	03-Nov-22	04-Nov-22	**259 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK20307	2	03-Nov-22	08-Nov-22	**232 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0091

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Jesus Andres / 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	11/01/22 ~~11/02/22~~ JAA	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	7.39 8.6°C

RECEIVED
NOV 0 2 2022
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Andres	Jesus Andres (IPC)	11/02/22	11:45
Received by:	Cindy Martinez	11.2.22	1235
Relinquished by:	Cindy Martinez	11.2.22	14:00
Received by:			
Relinquished by:			
Received in lab by:	Alex Wellington	NOV 0 2 2022	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	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: 16-Nov-22 15:25
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22K0290-01) Collected: 08-Nov-22 By DH of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK21422	1	14-Nov-22	14-Nov-22	**231 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK21112	2	11-Nov-22	16-Nov-22	**230 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0290

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive Irvine CA 92618	Sampled by: Daniel Huey Report Attention: Ric Vardel / Golan Kfir	P.O. #: Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/8/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.4/6.6 c
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
11-9-22
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Daniel (IPC)	11/9/22	1200
Received by:	Cindy MAMuro	11-9-22	13:15
Relinquished by:	Cindy MAMuro	11-9-22	1500
Received by:			
Relinquished by:			
Received in lab by:	Alex Hall Jr.	11-9-22	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.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Nov-22 15:50
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22K0484-01) Collected: 15-Nov-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK21708	1	17-Nov-22	18-Nov-22	**246 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK21704	2	17-Nov-22	22-Nov-22	**418 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 11/22/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0484

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive, Irvine, CA 92618	Sampled by: Mario Aguirre / Kyle 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	11/15/22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.2 / 9.2 °C
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
NOV 16 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	11/16/22	12:11
Received by		Cindy Martinez	11/16/22	12:11
Relinquished by		Cindy Martinez	11/16/22	1325
Received by				
Relinquished by				
Received in lab by		Alex Wadsworth	NOV 16 2022	1325

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes / No
Samples intact?	Yes / No
Samples properly preserved?	Yes / No
Samples in holding time?	Yes / No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 01-Dec-22 15:54
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22K0733-01) Collected: 22-Nov-22 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK22922	1	29-Nov-22	29-Nov-22	**302 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK22504	2	25-Nov-22	30-Nov-22	**360 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0733

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) ~~Weekly INF~~	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Carlos Alvarez / ~~Ric Vardel / Golan Kfir~~	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/22/22	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.3 / 8.4-C
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	
	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 23 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/23/22	1240
Received by		Cindy MARTINEZ	11/23	1240
Relinquished by		Cindy MARTINEZ	11/23/22	1455
Received by				
Relinquished by				
Received in lab by		Alex Walthall NOV 23 2022		1455

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
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Dec-22 09:07
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22K0880-01) Collected: 29-Nov-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL20105	1	01-Dec-22	01-Dec-22	**127 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL20107	2	01-Dec-22	06-Dec-22	**401 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/7/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0880

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
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
INF	11/29/22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.3 / 7.3 - C
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 30 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	11/30/22	11:16
Received by	Cindy Mahrer	11.30.22	1140
Relinquished by	Cindy Mahrer	11.30.22	13:15
Received by			
Relinquished by			
Received in lab by	Alex Walker Jr.	NOV 30 2022	1315

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid 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: 19-Dec-22 13:00
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22L0267-01) Collected: 06-Dec-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL20806	1	08-Dec-22	08-Dec-22	**196 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL20817	2	08-Dec-22	13-Dec-22	**439 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260267

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly INF	
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
INF	12/6/22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.0 / 7.1 · C
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 07 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	12/7/22	11:32
Received by	Cindy M	12-7-22	1132
Relinquished by	Cindy M	12-7-22	1305
Received by			
Relinquished by			
Received in lab by	Alex Walton DEC	07 2022	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	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: 03-Jan-23 10:14
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22L0507-01) Collected: 13-Dec-22 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL21513	1	15-Dec-22	16-Dec-22	**214 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL21605	2	16-Dec-22	21-Dec-22	**310 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/3/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2260507

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mario Aguirre / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention:	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/13/22	23:59	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
11	11	11	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/14/22	11:38
Received by	MARIO SANTIESTEBAN (PCL)	12/14/22	1140
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/14/22	1520
Received by			
Relinquished by			
Received in lab by	Alex Horbelt Jr. DEC 14 2022		1520

Sample Received Checklist

Temperature upon receipt:	4°C	
# of bottles agrees with COC?	Yes	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: 06-Jan-23 15:57
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 22L0924-01) Collected: 29-Dec-22 By ET of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA30331	1	03-Jan-23	04-Jan-23	**235 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA30104	2	01-Jan-23	06-Jan-23	**270 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/6/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22L0924

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** ~~(MCC) Weekly INF~~	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Ervin Tucker **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~~	~~12/30/22~~ 29 ET 12/30/22	~~10:41am~~ 23:59 ET 10:41am	1	TSS	Comp	AQ	1-Liter Plastic	~~4°C~~	
INF	~~12/30/22~~ 29 ET 12/30/22	~~10:41am~~ 23:59 ET 10:41am	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 30 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ervin Tucker (IPC)	12/30/22	11:07am
Received by	Juan Nevis (IPC)	12/30/22	13:06
Relinquished by	Juan D. (IPC)	12/30/22	14:42
Received by			
Relinquished by			
Received in lab by	Alex Wachsth DEC 30 2022		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	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: 21-Jan-22 14:59
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0106-01) Collected: 05-Jan-22 By C.A of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AA20723	5	07-Jan-22	08-Jan-22	**964 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AA21150	20.0	11-Jan-22	11-Jan-22	**150 mg/l**	
Sulfate as SO4	EPA 300.0	AA21150	10.0	11-Jan-22	11-Jan-22	**248 mg/l**	
Boron	EPA 200.7	AA21326	0.10	13-Jan-22	14-Jan-22	**0.60 mg/l**	
Phosphorus, Total as P	EPA 365.3	AA21138	0.05	11-Jan-22	11-Jan-22	**<0.05 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AA21039	0.20	06-Jan-22	10-Jan-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AA22127	5	21-Jan-22	21-Jan-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/21/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0106

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Carlos 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	01/05/22	1145	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
JAN 05 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/05/22	1155
Received by		Jonathan V (T-C)	1/5/22	1403
Relinquished by		Jonathan V (T-C)	1/5/22	1552
Received by				
Relinquished by				
Received in lab by			JAN 05 2022	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: 10-Feb-22 16:12
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22B0070-01) Collected: 02-Feb-22 By C.A of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AB20933	5	09-Feb-22	10-Feb-22	**1048 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AB20627	20.0	06-Feb-22	07-Feb-22	**193 mg/l**	
Sulfate as SO4	EPA 300.0	AB20627	10.0	06-Feb-22	07-Feb-22	**296 mg/l**	
Boron	EPA 200.7	AB20330	0.10	03-Feb-22	07-Feb-22	**0.28 mg/l**	
Phosphorus, Total as P	EPA 365.3	AB20506	0.50	05-Feb-22	05-Feb-22	**7.14 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AB20719	0.20	04-Feb-22	07-Feb-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AB20332	5	03-Feb-22	03-Feb-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 2/10/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2213007O

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Carlos 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	02/02/22	1143	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
FEB 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	02/02/22	1150
Received by		Jonathan V (PC).	02/02/22	1200
Relinquished by		Jonathan V. (PC)	2/2/22	1320
Received by				
Relinquished by				
Received in lab by			FEB 02 2022	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: 09-Mar-22 10:02
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22C0068-01) Collected: 02-Mar-22 By C.A of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AC20731	5	07-Mar-22	09-Mar-22	**968 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AC20730	25.0	07-Mar-22	07-Mar-22	**200 mg/l**	
Sulfate as SO4	EPA 300.0	AC20730	12.5	07-Mar-22	07-Mar-22	**269 mg/l**	
Boron	EPA 200.7	AC20303	0.10	04-Mar-22	07-Mar-22	**0.39 mg/l**	
Phosphorus, Total as P	EPA 365.3	AC20229	0.05	02-Mar-22	02-Mar-22	**0.33 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AC20225	0.20	02-Mar-22	02-Mar-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AC20230	5	02-Mar-22	03-Mar-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 3/9/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2200068

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Monthly	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Carlos 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	03/02/22	1120	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
MAR 02 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/02/22	1130
Received by		Jonathan V. (PC)	3/2	13:30
Relinquished by		Jonathan V. (PC)	3/2	13:40
Received by				
Relinquished by				
Received in lab by		MAR 02 2022		1740

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 23-Apr-22 11:52
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0225-01) Collected: 06-Apr-22 By C.A of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AD20714	5	07-Apr-22	08-Apr-22	**1012 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AD21333	20.0	13-Apr-22	13-Apr-22	**205 mg/l**	
Sulfate as SO4	EPA 300.0	AD21333	10.0	13-Apr-22	13-Apr-22	**278 mg/l**	
Boron	EPA 200.7	AD20804	0.10	08-Apr-22	11-Apr-22	**0.16 mg/l**	
Phosphorus, Total as P	EPA 365.3	AD20817	0.05	08-Apr-22	11-Apr-22	**0.25 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AD20620	0.20	07-Apr-22	07-Apr-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AD22210	5	22-Apr-22	23-Apr-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/23/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0225

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Monthly - EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/06/22	1147	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
			1	MBAS	Grab	AQ	500ml Plastic	4°C	
			1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
			1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
			1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
APR 06 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/06/22	1150
Received by		[illegible]	4-6-22	1330
Relinquished by		Cindy Martinez	4/6/22	1450
Received by				
Relinquished by				
Received in lab by		APR 06 2022		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	**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: 19-May-22 13:37
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22E0252-01) Collected: 10-May-22 By KV of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AE21041	5	10-May-22	12-May-22	**952 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AE21730	25.0	17-May-22	18-May-22	**176 mg/l**	
Sulfate as SO4	EPA 300.0	AE21730	12.5	17-May-22	18-May-22	**257 mg/l**	
Boron	EPA 200.7	AE21127	0.10	12-May-22	16-May-22	**0.23 mg/l**	
Phosphorus, Total as P	EPA 365.3	AE21137	0.05	11-May-22	11-May-22	**0.11 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AE21038	0.20	10-May-22	10-May-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AE21136	5	11-May-22	17-May-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 5/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22E0252

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Monthly - EFF
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	5/10/22	1130	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
	"	"	1	MBAS	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
	"	"	1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
	"	"	1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
MAY 10 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	5/10/22	1150
Received by		MARIO SANTIESTEBAN (PCL)	5/10/22	1306
Relinquished by		MARIO SANTIESTEBAN (PCL)	5/10/22	1455
Received by				
Relinquished by				
Received by		(PCL)	5/10/22	1455

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 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 - $CuSO_4$

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-22 11:52
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22F0357-01) Collected: 14-Jun-22 By MA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AF21618	5	16-Jun-22	20-Jun-22	**928 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AF21708	20.0	17-Jun-22	17-Jun-22	**191 mg/l**	
Sulfate as SO4	EPA 300.0	AF21708	10.0	17-Jun-22	17-Jun-22	**253 mg/l**	
Boron	EPA 200.7	AF21539	0.10	15-Jun-22	17-Jun-22	**0.20 mg/l**	
Phosphorus, Total as P	EPA 365.3	AF22232	0.05	22-Jun-22	23-Jun-22	**0.25 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AF21536	0.20	15-Jun-22	15-Jun-22	**0.36 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AF22138	5	21-Jun-22	21-Jun-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 6/23/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22F0357

Customer: IPC - Integrated Performance Consultants, Inc		Project: (MCC) Monthly - EFF	
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	6/14/22	11:30	1	SO4.Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
			1	MBAS	Grab	AQ	500ml Plastic	4°C	
			1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
			1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
			1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
JUN 14 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	6/14/22	11:42
Received by		Juan Nevis (PCL)	6/14/22	13:52
Relinquished by		Juan Nevis (PCL)	6/14/22	17:30
Received by				
Relinquished by				
Received at lab by		JUN 14 2022		1730

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 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: 19-Jul-22 14:33
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0267-01) Collected: 12-Jul-22 By MA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AG21822	5	18-Jul-22	19-Jul-22	**1000 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AG21828	20.0	18-Jul-22	18-Jul-22	**306 mg/l**	
Sulfate as SO4	EPA 300.0	AG21828	10.0	18-Jul-22	18-Jul-22	**196 mg/l**	
Boron	EPA 200.7	AG21324	0.10	13-Jul-22	14-Jul-22	**0.25 mg/l**	
Phosphorus, Total as P	EPA 365.3	AG21504	0.05	15-Jul-22	15-Jul-22	**0.50 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AG21328	0.20	13-Jul-22	13-Jul-22	**0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AG21408	5	14-Jul-22	14-Jul-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 7/19/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22G0267

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Monthly - EFF	
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	7/12/22	9:50	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
			1	MBAS	Grab	AQ	500ml Plastic	4°C	
			1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
			1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
			1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
JUL 12 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/12/22	10:35
Received by		Juan Devis III (CL)	7/12/22	12:41
Relinquished by		Juan Devis III (CL)	7/12/22	17:47
Received by				
Relinquished by				
Received for Lab by			JUL 12 2022	1741

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Aug-22 09:54
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22H0236-01) Collected: 09-Aug-22 By EM of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AH21112	5	11-Aug-22	15-Aug-22	**776 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AH21205	20.0	12-Aug-22	12-Aug-22	**209 mg/l**	
Sulfate as SO4	EPA 300.0	AH21205	10.0	12-Aug-22	12-Aug-22	**198 mg/l**	
Boron	EPA 200.7	AH21105	0.10	11-Aug-22	12-Aug-22	**0.29 mg/l**	
Phosphorus, Total as P	EPA 365.3	AH20924	0.05	10-Aug-22	11-Aug-22	**<0.05 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AH21022	0.20	10-Aug-22	10-Aug-22	**0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AH21021	5	10-Aug-22	10-Aug-22	**<5 mg/l**	

Notes and Definitions

J Detected but below the method reporting limit (RL); therefore, result is an estimated concentration. Result is between the RL and method detection limit (MDL). (CLP J-flag)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 8/16/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22H0236

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Monthly - EFF	
Address: 9297 Research Drive		Sampled by: E. Morris	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8-9-22	1137	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
	"	"	1	MBAS	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
	"	"	1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
	"	"	1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
AUG 09 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. Morris	8-9-22	12:12
Received by	Ivan Reis (RCL)	8-9-22	12:27
Relinquished by	Ivan Reis (RCL)	8-9-22	14:34
Received by			
Relinquished by			
Received in lab by		AUG 09 2022	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 HS - 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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Oct-22 14:21
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22I0511-01) Collected: 21-Sep-22 By CA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AI22211	5	22-Sep-22	26-Sep-22	**812 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AJ20327	100	03-Oct-22	04-Oct-22	**176 mg/l**	
Sulfate as SO4	EPA 300.0	AJ20327	50.0	03-Oct-22	04-Oct-22	**189 mg/l**	
Boron	EPA 200.7	AI22203	0.10	22-Sep-22	26-Sep-22	**0.30 mg/l**	
Phosphorus, Total as P	EPA 365.3	AI22722	0.50	27-Sep-22	27-Sep-22	**1.83 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AI22207	0.20	22-Sep-22	22-Sep-22	**0.19 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AI22723	5	27-Sep-22	27-Sep-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/5/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210511

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Monthly - EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Carlos Alvarez
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/21/22	1135	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	7.8/20.1°C
			1	MBAS	Grab	AQ	500ml Plastic	4°C	
			1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
			1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
			1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
SEP 21 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/21/22	1135
Received by		Courier	9.21.22	1135
Relinquished by		Cindy Mattner	9.21.22	2:27
Received by				
Relinquished by				
Received in lab by		Alex Watkins (PCL)	SEP 21 2022	14:27

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
G Grab
C Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Oct-22 15:10
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22J0421-01) Collected: 18-Oct-22 By EM of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AJ21931	5	19-Oct-22	20-Oct-22	**912 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AJ21937	20.0	19-Oct-22	19-Oct-22	**214 mg/l**	
Sulfate as SO4	EPA 300.0	AJ21937	10.0	19-Oct-22	19-Oct-22	**270 mg/l**	
Boron	EPA 200.7	AJ21929	0.10	20-Oct-22	20-Oct-22	**0.28 mg/l**	
Phosphorus, Total as P	EPA 365.3	AJ22703	0.10	27-Oct-22	28-Oct-22	**0.14 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AJ21933	0.20	19-Oct-22	19-Oct-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AJ22533	5	25-Oct-22	27-Oct-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/28/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22J0421

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Monthly - EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #:
Irvine	CA 92618	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	10/18/22	1035	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	7.4 / 21.5 °C
	"	"	1	MBAS	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
	"	"	1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
	"	"	1	T.Phos	Grab	AQ	500ml Plastic	4°C	

RECEIVED
OCT 18 2022

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MURPHY	10/18/22	1140
Received by	Cindy Martinez	10-18-22	
Relinquished by	Cindy Martinez	10.18.22	1400
Received by			
Relinquished by			
Received in lab by	Alex Walkup Jr	OCT 18 2022	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	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: 14-Nov-22 12:06
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0114-01) Collected: 03-Nov-22 By JW of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AK20933	5	09-Nov-22	11-Nov-22	**904 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AK20830	20.0	08-Nov-22	11-Nov-22	**201 mg/l**	
Surrogate: Dichloroacetate	EPA 300.0	AK20830		08-Nov-22	11-Nov-22		
Sulfate as SO4	EPA 300.0	AK20830	10.0	08-Nov-22	11-Nov-22	**262 mg/l**	
Surrogate: Dichloroacetate	EPA 300.0	AK20830		08-Nov-22	11-Nov-22		
Boron	EPA 200.7	AK20408	0.10	04-Nov-22	08-Nov-22	**0.25 mg/l**	
Phosphorus, Total as P	EPA 365.3	AK20114	0.10	04-Nov-22	05-Nov-22	**<0.10 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK20415	0.20	04-Nov-22	04-Nov-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AK21006	5	10-Nov-22	11-Nov-22	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 11/14/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210114

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Monthly - EFF
Address:	9297 Research Drive Irvine CA 92618	Sampled by:	Jonathan Wu
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/3/22	10:30	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
			1	MBAS	Grab	AQ	500ml Plastic	4°C	
			1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
			1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
			1	T.Phos	Grab	AQ	500ml Plastic	4°C	7.51 8.1 °C

RECEIVED
NOV 03 2022
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Jonathan Wu (IPC)	11/3/22	10:50
Received by		Cindy M	11.3.22	1251
Relinquished by		Edwin Gonzalez	11.3	15:00
Received by				
Relinquished by				
Received in lab by		Alex Hawtin	NOV 03 2022	1560

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 03-Jan-23 13:28
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22L0552-01) Collected: 15-Dec-22 By M.A. of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AL22129	5	21-Dec-22	22-Dec-22	**700 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AL22719	20.0	27-Dec-22	28-Dec-22	**170 mg/l**	
Sulfate as SO4	EPA 300.0	AL22719	10.0	27-Dec-22	28-Dec-22	**159 mg/l**	
Boron	EPA 200.7	AL22024	0.10	20-Dec-22	23-Dec-22	**0.52 mg/l**	
Phosphorus, Total as P	EPA 365.3	AL22027	0.10	20-Dec-22	22-Dec-22	**0.11 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AL21604	0.20	16-Dec-22	19-Dec-22	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AA30321	5	03-Jan-23	03-Jan-23	**<5 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/3/2023
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2210552

Customer: IPC - Integrated Performance Consultants, Inc.		Project : **(MCC) Monthly - EFF**	
Address: 9297 Research Drive		Sampled by: Marie 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	12/15/22	11:29	1	SO4,Cl,TDS	Grab	AQ	1/2gal Plastic	4°C	
			1	MBAS	Grab	AQ	500ml Plastic	4°C	
			1	Oil & Grease	Grab	AQ	1-Liter Amber	4°C, HCl	
			1	Boron	Grab	AQ	250ml Plastic	4°C, HNO	
			1	T.Phos	Grab	AQ	500ml Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 15 2022
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	12/15/22	11:46
Received by	MARIO SANTIESTEBAN (PCL)	12/15/22	1323
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/15/22	1545
Received by			
Relinquished by			
Received in lab by	Alex Wallinski DEC	15 2022	1545

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**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-22 15:27
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0331-01) Collected: 12-Jan-22 By MA of IPC							
Physical Properties							
Total Alkalinity	SM 2320B	AA21861	1	18-Jan-22	18-Jan-22	**206 mg/l**	
Carbonate Alkalinity	SM 2320B	AA21861	1	18-Jan-22	18-Jan-22	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AA21861	1	18-Jan-22	18-Jan-22	**206 mg/l**	
Hydroxide Alkalinity	SM 2320B	AA21861	1	18-Jan-22	18-Jan-22	**<1 mg/l**	
Color	SM 2120 C	AA21438	5.0	12-Jan-22	12-Jan-22	**18.8 CU**	
Specific Conductance (EC)	SM 2510B	AA21427	0.1	14-Jan-22	14-Jan-22	**1450 uS/cm**	
Odor	SM 2150B	AA21437	1	12-Jan-22	15-Jan-22	**1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**<0.2 ug/l**	
Aluminum	EPA 200.8	AA21850	5.0	18-Jan-22	26-Jan-22	**36 ug/l**	
Fluoride	EPA 300.0	AA21747	0.10	17-Jan-22	17-Jan-22	**0.60 mg/l**	
Arsenic	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**0.6 ug/l**	
Barium	EPA 200.8	AA21850	0.5	18-Jan-22	26-Jan-22	**38 ug/l**	
Beryllium	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**<0.2 ug/l**	
Calcium	EPA 200.7	AA21851	0.10	18-Jan-22	20-Jan-22	**77.6 mg/l**	
Cadmium	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**2.1 ug/l**	
Copper	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**0.9 ug/l**	
Cyanide (total)	SM 4500-CN-E	AA21424	0.0040	14-Jan-22	14-Jan-22	**0.0060 mg/l**	
Iron	EPA 200.7	AA21851	0.02	18-Jan-22	20-Jan-22	**0.02 mg/l**	
Mercury	EPA 245.1	AA22131	0.20	21-Jan-22	21-Jan-22	**<0.20 ug/l**	
Magnesium	EPA 200.7	AA21851	0.10	18-Jan-22	20-Jan-22	**35.8 mg/l**	
Manganese	EPA 200.8	AA21850	0.5	18-Jan-22	26-Jan-22	**23 ug/l**	
Nickel	EPA 200.8	AA21850	0.5	18-Jan-22	26-Jan-22	**4.9 ug/l**	
Lead	EPA 200.8	AA21850	0.2	18-Jan-22	26-Jan-22	**<0.2 ug/l**	
pH	SM 4500H-B	AA21330	0.1	12-Jan-22	12-Jan-22	**7.6 pH Units**	A-01

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:27
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0331-01) Collected: 12-Jan-22 By MA of IPC							
Inorganic Constituents							
Antimony	EPA 200.8	AA21850	1.0	18-Jan-22	26-Jan-22	**<1.0 ug/l**	
Selenium	EPA 200.8	AA21850	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Thallium	EPA 200.8	AA21850	1.0	18-Jan-22	26-Jan-22	**<1.0 ug/l**	
Uranium	EPA 200.8	AA21850	0.7	18-Jan-22	27-Jan-22	**1.4 pCi/L**	
Zinc	EPA 200.8	AA21850	1.0	18-Jan-22	26-Jan-22	**47 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AA21745	0.20	14-Jan-22	17-Jan-22	**0.45 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Styrene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:27
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0331-01) Collected: 12-Jan-22 By MA of IPC							
Volatile Organic Chemicals (VOCs)							
Tetrachloroethylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Toluene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Bromoform	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Chloroform	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**10.5 ug/l**	
Dibromochloromethane	EPA 524.2	AA21755	0.5	17-Jan-22	18-Jan-22	**<0.5 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AA21755		17-Jan-22	18-Jan-22	*101 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AA21755		17-Jan-22	18-Jan-22	*101 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AA21755		17-Jan-22	18-Jan-22	*100 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AA21145	1.00	11-Jan-22	19-Jan-22	**1.94 ug/l**	
Dichloroacetic Acid	EPA 552.2	AA21145	1.00	11-Jan-22	19-Jan-22	**8.14 ug/l**	
Trichloroacetic Acid	EPA 552.2	AA21145	1.00	11-Jan-22	19-Jan-22	**3.42 ug/l**	
Monobromoacetic Acid	EPA 552.2	AA21145	1.00	11-Jan-22	19-Jan-22	**<1.00 ug/l**	
Dibromoacetic Acid	EPA 552.2	AA21145	1.00	11-Jan-22	19-Jan-22	**<1.00 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AA21145		11-Jan-22	19-Jan-22	*103 % (60-140)*	
Bromate	EPA 300.1	AA22033	5.0	20-Jan-22	21-Jan-22	**<5.0 ug/l**	
Chlorite	EPA 300.1	AA22033	20.0	20-Jan-22	21-Jan-22	**<20.0 ug/l**	

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:27
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0331-01) Collected: 12-Jan-22 By MA of IPC							
Disinfection Byproducts							
Haloacetic Acids (HAA5)	[CALC]	[CALC]	1.00	17-Jan-22	19-Jan-22	**14.4 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	17-Jan-22	18-Jan-22	**10.5 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AA21220	0.010	12-Jan-22	17-Jan-22	**<0.010 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AA21220	0.020	12-Jan-22	17-Jan-22	**<0.020 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AA21219	2.0	12-Jan-22	13-Jan-22	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AA21219	2.0	12-Jan-22	13-Jan-22	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AA21219		12-Jan-22	13-Jan-22	*60.4 % (50-120)*	
Alachlor	EPA 507	AA22450	0.2	24-Jan-22	14-Feb-22	**<0.2 ug/l**	
Atrazine	EPA 507	AA22450	0.2	24-Jan-22	14-Feb-22	**<0.2 ug/l**	
Molinate	EPA 507	AA22450	0.2	24-Jan-22	14-Feb-22	**<0.2 ug/l**	
Simazine	EPA 507	AA22450	0.2	24-Jan-22	14-Feb-22	**2.6 ug/l**	
Thiobencarb (Bolero)	EPA 507	AA22450	0.2	24-Jan-22	14-Feb-22	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AA22450		24-Jan-22	14-Feb-22	*77.0 % (40-120)*	
Chlordane	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Endrin	EPA 508	AL12044	0.01	14-Jan-22	15-Jan-22	**<0.01 ug/l**	
Heptachlor	EPA 508	AL12044	0.01	14-Jan-22	15-Jan-22	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AL12044	0.01	14-Jan-22	15-Jan-22	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AL12044	0.01	14-Jan-22	15-Jan-22	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AL12044	0.01	14-Jan-22	15-Jan-22	**0.1 ug/l**	
gamma-BHC (Lindane)	EPA 508	AL12044	0.01	14-Jan-22	15-Jan-22	**<0.01 ug/l**	
Methoxychlor	EPA 508	AL12044	0.05	14-Jan-22	15-Jan-22	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:27
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0331-01) Collected: 12-Jan-22 By MA of IPC							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1248 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Total PCBs	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Toxaphene	EPA 508	AL12044	0.1	14-Jan-22	15-Jan-22	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AL12044		14-Jan-22	15-Jan-22	*77.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AL12044		14-Jan-22	15-Jan-22	*86.5 % (50-120)*	
Bentazon	EPA 515.1	AA22628	1.0	26-Jan-22	08-Feb-22	**<1.0 ug/l**	
2,4-D	EPA 515.1	AA22628	1.0	26-Jan-22	08-Feb-22	**<1.0 ug/l**	
Dalapon	EPA 515.1	AA22628	5.0	26-Jan-22	08-Feb-22	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AA22628	1.0	26-Jan-22	08-Feb-22	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AA22628	0.1	26-Jan-22	08-Feb-22	**<0.1 ug/l**	
Picloram	EPA 515.1	AA22628	1.0	26-Jan-22	08-Feb-22	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AA22628	0.2	26-Jan-22	08-Feb-22	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AA22628		26-Jan-22	08-Feb-22	*83.4 % (60-140)*	
Benzo (a) pyrene	EPA 550	AA21749	0.05	17-Jan-22	18-Jan-22	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AA21749		17-Jan-22	18-Jan-22	*83.1 % (45-120)*	

Respectfully Submitted,



Stephen Sakai 4/6/2022
Lab 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-Apr-22 15:27
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Notes and Definitions

A-01 Langelier Index = -2.8 (Corrosive)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 4/6/2022
Lab Director

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 322200898
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Berentsen
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 01/13/2022
Analyzed: 01/21/2022

Proj: 22A0331

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
22A0331-01 322200898-0001	1/14/2022 09:00 AM	30	1288	0.2193	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.72

Collection Date/Time: *01/12/2022 11:48 AM*

Analyst(s)
Kyeong Corbin (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 01/24/2022 13:44:12

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

Wednesday, April 06, 2022

Stephen Berensten
Pat-Chem Laboratories
1824 First Street
San Fernando, CA 91340

Re Lab Order: X030471 Collected By: CLIENT
Project ID: 22A0331 PO/Contract #: PD $375.00 4/1/22

Dear Stephen Berensten:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, March 10, 2022. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Enclosures

Project Manager: Todd Albertson

This report shall not be reproduced, except in full,
without the written consent of CALTEST ANALYTICAL LABORATORY

1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

Caltest ANALYTICAL LABORATORY

ENVIRONMENTAL ANALYSES

SAMPLE SUMMARY

Lab Order: X030471
Project ID: 22A0331

Lab ID	Sample ID	Matrix	Date Collected	Date Received
X030471001	**22A0331-01**	Water	01/12/2022 11:48	03/10/2022 10:39

This report shall not be reproduced, except in full,
without the written consent of CALTEST ANALYTICAL LABORATORY

1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

NARRATIVE

Lab Order: X030471
Project ID: 22A0331

General Qualifiers and Notes

Caltest authorizes this report to be reproduced only in its entirety. Results are specific to the sample(s) as submitted and only to the parameter(s) reported.

Caltest certifies that test results meet California Environmental Laboratory Accreditation Program (CA-ELAP) and/or National Environmental Laboratory Accreditation Program (NELAP) requirements, as applicable, unless stated otherwise.

Analyses performed by EPA or Standard Methods, unless otherwise noted.

Dilution Factors (DF) reported greater than '1' have been used to adjust the result, Reporting Limit (RL), and Method Detection Limit (MDL).

All Solid, sludge, and/or biosolids data is reported in Wet Weight, unless otherwise specified.

Filtrations performed at Caltest for dissolved metals (excluding mercury) and/or pH analysis are not performed within the 15 minute holding time as specified by 40CFR 136.3 table II.

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

ND - indicates analytical result has not been detected at or above the Reporting Limit (RL), or at above the Method Detection Limit (MDL) when it is included on the report and is not otherwise noted.

RL - Reporting Limit is the quantitation limit at which the laboratory is able to detect an analyte. An analyte not detected at or above the RL is reported as ND unless otherwise noted or qualified. For analyses pertaining to the State Implementation Plan of the California Toxics Rule, the Caltest Reporting Limit (RL) is equivalent to the Minimum Level (ML). A standard is always run at or below the ML. Where Reporting Limits are elevated due to dilution, the ML calibration criteria has been met.

MDL - The Method Detection Limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.

J - reflects estimated analytical result value detected below the Reporting Limit (RL) and above the Method Detection Limit (MDL). The 'J' flag is equivalent to the DNQ Estimated Concentration flag.

B - indicates the analyte has been detected in the blank associated with the sample.

SS - compound is a Surrogate Spike used per laboratory quality assurance manual.

NOTE: This document represents a complete Analytical Report for the samples referenced herein and should be retained as a permanent record thereof.

Qualifiers and Compound Notes

1	Sample received as an 1mL extract, and analyzed per client request. Extraction details input for calculation purposes only. Analysis performed without batch QC (MB, LCS, MS/MSD) or surrogates therefore does not comply with Caltest SOP or EPA method criteria.
2	Analysis performed past regulatory holding time.

This report shall not be reproduced, except in full,
without the written consent of CALTEST ANALYTICAL LABORATORY

1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

Caltest ANALYTICAL LABORATORY
ENVIRONMENTAL ANALYSES

ANALYTICAL RESULTS

Lab Order: X030471
Project ID: 22A0331

Lab ID **X030471001** Date Collected 1/12/2022 11:48 Matrix Water
Sample ID **22A0331-01** Date Received 3/10/2022 10:39

Parameters	Result	Units	R. L.	MDL	DF	Prepared	Batch	Analyzed	Batch	Qual
Carbamate Pesticides Analysis	**Prep Method:**		EPA 632					**Prep by:**	MDW	
	Analytical Method:		EPA 632					**Analyzed by:**	MDW	
Barban	ND	ug/L	2.0	0.40	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	1,2
Carbaryl (Sevin)	ND	ug/L	0.5	0.30	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Carbofuran	ND	ug/L	1.5	0.60	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Chlorpropham	ND	ug/L	0.5	0.30	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Diuron	ND	ug/L	0.5	0.40	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Fenuron	ND	ug/L	0.3	0.30	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Fluometuron	ND	ug/L	0.5	0.20	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Linuron	ND	ug/L	0.5	0.40	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Methiocarb	ND	ug/L	3.0	0.40	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Methomyl	ND	ug/L	0.5	0.30	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Monuron	ND	ug/L	0.5	0.20	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Neburon	ND	ug/L	0.5	0.50	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Oxamyl	ND	ug/L	1.2	1.0	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Propham	ND	ug/L	0.5	0.50	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Propoxur	ND	ug/L	1.2	0.50	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Siduron	ND	ug/L	0.8	0.40	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	
Swep	ND	ug/L	0.5	0.50	1	03/30/22 00:00	SPR 9379	03/30/22 23:27	SLC 1996	

This report shall not be reproduced, except in full,
without the written consent of CALTEST ANALYTICAL LABORATORY

1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

QUALITY CONTROL DATA QUALIFIERS

Lab Order: X030471
Project ID: 22A0331

QUALITY CONTROL PARAMETER QUALIFIERS

Results Qualifiers: Report fields may contain codes and non-numeric data correlating to one or more of the following definitions:

NS - means not spiked and will not have recoveries reported for Analyte Spike Amounts

QC Codes Keys: These descriptors are used to help identify the specific QC samples and clarify the report.

MB - Method Blank

Method Blanks are reported to the same Method Detection Limits (MDLs) or Reporting Limits (RLs) as the analytical samples in the corresponding QC batch.

LCS/LCSD - Laboratory Control Spike / Laboratory Control Spike Duplicate

DUP - Duplicate of Original Sample Matrix

MS/MSD - Matrix Spike / Matrix Spike Duplicate

RPD - Relative Percent Difference

%Recovery - Spike Recovery stated as a percentage

This report shall not be reproduced, except in full,
without the written consent of CALTEST ANALYTICAL LABORATORY

1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab Order: X030471
Project ID: 22A0331

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
X030471001	**22A0331-01**	EPA 632	SPR/9379	EPA 632	SLC/1996

This report shall not be reproduced, except in full,
without the written consent of CALTEST ANALYTICAL LABORATORY

1885 North Kelly Road • Napa, California 94558
(707) 258-4000 • Fax (707) 226-1001 • e-mail: info@caltestlabs.com

SUBCONTRACT ORDER

Pat-Chem Laboratories

22A0331

CJC 3-10-22

~~X04~~ X030471

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:

Caltest Analytical Laboratory
1885 North Kelly Road
Napa, CA 94558
Phone :(707) 258-4000
Fax: x

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 22A0331-01	WASTE Water	**Sampled:12-Jan-22 11:48**		**Wastewater/IPC [MCC] EFF-Quarterly**
8321 Carbamates	27-Jan-22 12:00	19-Jan-22 11:48		
Containers Supplied:				

* Note: Sample Has Been Extracted Already. *

TEMP 15.1 / 15.7 C

SEALED: (Y) / N INTACT: (Y) / N

ON ICE: (Y) / N

Released By	Date	Received By	Date
Alexander Jr.	MAR 0 8 2022	UPS	3/8/22
UPS	3/10/22 10:39		3/10/22 10:39
Released By	Date	Received By	Date

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	2A19138	**Report Date:**	2/04/2022
		Received Date:	1/19/2022
Project:	22A0331	**Turnaround Time:**	Normal
		Phones:	(818) 639-5300
		Fax:	(818) 639-5306
Attn:	Stephen Berentsen	**P.O. #:**	
Client:	Pat-Chem Laboratories, Inc. 1824 1st Street San Fernando, CA 91340	**Billing Code:**	

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 1/19/22 with the Chain-of-Custody document. The samples were received in good condition, at 5.4 °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:



Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0331

Project Manager: Stephen Berentsen

Reported:
02/04/2022 10:37

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
22A0331-01	Client	2A19138-01	Water	01/12/22 11:48	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0331

Project Manager: Stephen Berentsen

Reported:
02/04/2022 10:37

Sample Results

Sample: 22A0331-01
2A19138-01 (Water)

Sampled: 01/12/22 11:48 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W2A1491 **Preparation:** EPA 549.2/SPE		**Prepared:** 01/24/22 08:54				**Analyst:** PJS
Diquat	ND	4.0	ug/l	1	02/01/22	O-05
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W2A1490 **Preparation:** EPA 548.1/SPE		**Prepared:** 01/24/22 08:50				**Analyst:** rmr
Endothall	ND	45	ug/l	1	01/25/22	O-15
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W2A1506 **Preparation:** _NONE (LC)		**Prepared:** 01/24/22 10:55				**Analyst:** PJS
Glyphosate	ND	5.0	ug/l	1	01/24/22	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0331

Project Manager: Stephen Berentsen

Reported:
02/04/2022 10:37

Quality Control Results

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1491 - EPA 549.2										
Blank (W2A1491-BLK1)				**Prepared: 01/24/22**	**Analyzed: 02/01/22**					
Diquat	ND	4.0	ug/l							
LCS (W2A1491-BS1)				**Prepared: 01/24/22**	**Analyzed: 02/01/22**					
Diquat	19.4	4.0	ug/l	20.0		97	70-130			
Matrix Spike (W2A1491-MS1)	**Source: 2A19138-01**			**Prepared: 01/24/22**	**Analyzed: 02/01/22**					
Diquat	22.5	4.0	ug/l	20.0	ND	112	46-122			
Matrix Spike Dup (W2A1491-MSD1)	**Source: 2A19138-01**			**Prepared: 01/24/22**	**Analyzed: 02/01/22**					
Diquat	23.9	4.0	ug/l	20.0	ND	120	46-122	6	30	

Quality Control Results

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1490 - EPA 548.1										
Blank (W2A1490-BLK1)				**Prepared: 01/24/22**	**Analyzed: 01/25/22**					
Endothall	ND	45	ug/l							
LCS (W2A1490-BS1)				**Prepared: 01/24/22**	**Analyzed: 01/25/22**					
Endothall	109	45	ug/l	100		109	31-117			
Matrix Spike (W2A1490-MS1)	**Source: 2A19138-01**			**Prepared: 01/24/22**	**Analyzed: 01/25/22**					
Endothall	7.33	45	ug/l	100	ND	7	0.1-109			
Matrix Spike Dup (W2A1490-MSD1)	**Source: 2A19138-01**			**Prepared: 01/24/22**	**Analyzed: 01/25/22**					
Endothall	6.92	45	ug/l	100	ND	7	0.1-109	200	30	R-03

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1506 - EPA 547										
Blank (W2A1506-BLK1)				**Prepared & Analyzed: 01/24/22**						
Glyphosate	ND	5.0	ug/l							
LCS (W2A1506-BS1)				**Prepared & Analyzed: 01/24/22**						
Glyphosate	25.1	5.0	ug/l	25.0		100	70-130			
Matrix Spike (W2A1506-MS1)	**Source: 2A13063-01**			**Prepared & Analyzed: 01/24/22**						
Glyphosate	22.6	5.0	ug/l	25.0	ND	91	41-149			
Matrix Spike Dup (W2A1506-MSD1)	**Source: 2A13063-01**			**Prepared & Analyzed: 01/24/22**						
Glyphosate	27.0	5.0	ug/l	25.0	ND	108	41-149	18	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0331

Project Manager: Stephen Berentsen

Reported:
02/04/2022 10:37

Notes and Definitions

Item	Definition
O-05	The extraction for this analyte was performed outside of the EPA recommended holding time.
O-15	The sample was received with the recommended holding time nearly expired. It was analyzed as soon as possible but the maximum holding time was slightly exceeded.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
%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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

CERES Analytical Laboratory, Inc.
4919 Windplay Dr Suite 1, El Dorado Hills, CA 95762

February 1, 2022 Ceres ID: 14979

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one waste water sample received on January 20, 2022. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613. Routine turn-around time was provided for this work.

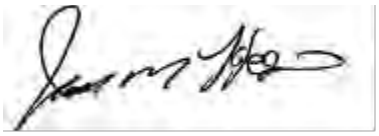
This work was authorized under Pat-Chem Laboratories' Project # 22A0331.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

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
14979-001	22A0331-01	1/20/2022	1/12/2022	11:48

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**		**Date Received:** NA
	QC Batch #: 2568	**Date Extracted:** 1/30/2022
	Matrix: Waste Water	**Date Analyzed:** 1/31/2022
Project ID: 22A0331	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.63	0.772	5.00		13C-2378-TCDD	82.4	31-137	
					CRS			
					37Cl4-2378-TCDD	82.5	35-197	

DL - Signifies Non-Detect (ND<) 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 #: 2568	**Date Extracted:** 1/30/2022
	Matrix: Waste Water	**Date Analyzed:** 1/31/2022
Project ID: 22A0331	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.48	7.3-14.6	13C-2378-TCDD	87.8	25-141
			CRS		
			37Cl4-2378-TCDD	89.0	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: 22A0331-01		
Project ID: 22A0331	**Ceres Sample ID:** 14979-001	**Date Received:** 1/20/2022
	QC Batch #: 2568	**Date Extracted:** 1/30/2022
Date Collected: 1/12/2022	**Matrix:** Waste Water	**Date Analyzed:** 1/31/2022
Time Collected: 11:48	**Sample Size:** 0.943 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.52	0.772	5.30		13C-2378-TCDD	115	31-137	
					CRS			
					37Cl4-2378-TCDD	100	42-164	

DL - Signifies Non-Detect (ND<) 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

22A0331

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: 22A0331-01 Water	**Sampled: 12-Jan-22 11:48**			**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Sub)	27-Jan-22 12:00	19-Jan-22 11:48		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	JAN 18 2022	[signature]	1/20/22 0930
Released By	Date	Received By	Date

Sample Receipt Check List Logged by: JL (initials)

Ceres ID: 14979	Date/Time: 1/20/22 0930
Client Project ID: 22A0331	Received Temp: 3.5 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N) / NA
Aqueous sample pH: 7	NA

List COC discrepancies:

JL 1/20/22

List Damaged Samples:

JL 1/20/22

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

February 21, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2200688
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 6 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	(2 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
22A0331-01	01/12/2022	01/13/2022	SP 2200688-001	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:

Radio QC

900.0	02/16/2022:202397 All analysis quality controls are within established criteria
	01/21/2022:200785 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)
903.0	02/03/2022:201735 All analysis quality controls are within established criteria
	01/26/2022:200848 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)
906.0	02/04/2022:201757 All analysis quality controls are within established criteria
	01/18/2022:200623 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)
Ra - 05	02/10/2022:202198 All analysis quality controls are within established criteria
	02/01/2022:201117 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

February 21, 2022 Lab ID : SP 2200688
Pat-Chem Laboratories Customer : 2-12670

Inorganic - Wet Chemistry QC

314.0	01/20/2022:201062 All analysis quality controls are within established criteria
	01/20/2022:200812 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:GMA

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-02-21

February 21, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22A0331-01
Project : 22A0331

Lab ID : SP 2200688-001
Customer ID : 2-12670

Sampled On : January 12, 2022-11:48
Sampled By : Not Available
Received On : January 13, 2022-15:00
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	2	ug/L		314.0	01/20/22:200812	314.0	01/20/22:201062

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

February 21, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22A0331-01
Project : 22A0331

Lab ID : SP 2200688-001
Customer ID : 2-12670

Sampled On : January 12, 2022-11:48
Sampled By : Not Available
Received On : January 13, 2022-15:00
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	7.34 ± 1.93	2.41	pCi/L	15/5	900.0	01/21/22-08:40 2P2200785	900.0	02/16/22-13:36 2A2202397
Gross Beta	5.70 ± 1.49	1.66	pCi/L	50	900.0	01/21/22-08:40 2P2200785	900.0	02/16/22-13:36 2A2202397
Total Alpha Radium (226)	0.228 ± 0.158	0.410	pCi/L		903.0	01/26/22-18:30 2P2200848	903.0	02/03/22-15:01 2A2201735
Tritium	172 ± 271	434	pCi/L	20000	906.0	01/18/22-08:25 2P2200623	906.0	02/04/22-08:43 2A2201757
Ra 228	0.286 ± 0.880	0.643	pCi/L		Ra - 05	02/01/22-18:30 2P2201117	Ra - 05	02/10/22-19:20 2A2202198

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

February 21, 2022 Lab ID : SP 2200688
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	01/20/22:200812MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	99.4 %	85-115	
			MS	ug/L	25.00	93.9 %	80-120	
		(STK2230617-001)	MSD	ug/L	25.00	92.0 %	80-120	
			MSRPD	ug/L	25.00	2.1%	≤15	
	314.0	01/20/22:201062MCA	ICB	ppb		0.00	4	
			ICV	ppb	2.000	111 %	85-115	
			CCB	ppb		0.00	4	
			CCV	ppb	20.00	96.9 %	85-115	

Definition

ICV	: Initial Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
ICB	: Initial Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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, 2022 Lab ID : SP 2200688
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	02/16/22:202397JCA	CCV	cpm	7251	43.0 %	35-47	
			CCB	cpm		0.100	0.15	
Beta	900.0	02/16/22:202397JCA	CCV	cpm	7251	94.5 %	83-94	
			CCB	cpm		0.460	0.5	
Gross Alpha	900.0	01/21/22:200785jca	Blank	pCi/L		0.26	3	
			LCS	pCi/L	201.1	78.7 %	75-125	
			BS	pCi/L	201.1	67.8 %	60-140	
			BSD	pCi/L	201.1	67.5 %	60-140	
			BSRPD	pCi/L	201.1	0.4%	≤30	
Gross Beta	900.0	01/21/22:200785jca	Blank	pCi/L		1.52	4	
			LCS	pCi/L	34.96	130 %	84-160	
			BS	pCi/L	34.96	99.6 %	80-130	
			BSD	pCi/L	34.96	97.8 %	80-130	
			BSRPD	pCi/L	201.1	1.7%	≤30	
Alpha	903.0	02/03/22:201735JCA	CCV	cpm	7585	41.5 %	37-46	
			CCB	cpm		0.100	0.17	
Total Alpha Radium (226)	903.0	01/26/22:200848emv	RgBlk	pCi/L		0.02	2	
			LCS	pCi/L	24.38	61.4 %	52-107	
			BS	pCi/L	24.38	59.9 %	43-111	
			BSD	pCi/L	24.38	59.7 %	43-111	
			BSRPD	pCi/L	24.38	0.3%	≤35.5	
Tritium	906.0	01/18/22:200623jca	Blank	pCi/L		35	300	
			LCS	pCi/L	1530	103 %	75-125	
			BS	pCi/L	1530	102 %	75-125	
			BSD	pCi/L	1530	102 %	75-125	
			BSRPD	pCi/L	1530	0.1%	≤25	
	906.0	02/04/22:201757JCA	CCV	pCi/L	22280	107 %	90-110	
			CCB	pCi/L		156	500	
Beta	Ra - 05	02/10/22:202198emv	CCV	cpm	7581	93.1 %	84-94	
			CCB	cpm		0.440	0.5	
Ra 228	Ra - 05	02/01/22:201117emv	RgBlk	pCi/L		-0.21	3	
			LRS	pCi/L	13.20	69.4 %	65-108	
			BS	pCi/L	13.20	89.6 %	75-125	
			BSD	pCi/L	13.20	109 %	75-125	
			BSRPD	pCi/L	13.20	2.6	≤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.
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.
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.

February 2, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2200688

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 Davi Labs (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2022-02-02

Enclosure

DAVI LABORATORIES, ENVIRONMENTAL ASSOCIATES
730 Alfred Nobel Dr. Hercules, CA 94547

ANALYTICAL RESULTS

Additional Analysis

Company:	**Fruit Growers Laboratory Inc.**
Address:	853 Corporation St Fresno Ca 93060
Project Manager	**Cindy Aguirre**
Report Date:	28-Jan-22
Project Bname	**SP 2200688**
P. O. #:	
TAT:	N

Loc Description	Collection Date	Time	Matrix	Corp. Method	Analyses	Results pCi/L		2 Sigma Error	MDA
			Water						
SP 2200688	1/12/2022	11.48		905.0	Sr-90	0.00	±	0.08	0.25

Analyst: PD
Received on: 1/20/2022
Analyses Date: 1/27/2022

TABLE II QA/QC

Analyses	Spike Added		Detected Activity		% Agreement
Sr-90	450.75	pCi/L	442.73	pCi/L	98.22

Patricia Davi

Patricia Davi
QA/QC Manager
Davi Laboratories

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Davi Labs

1901-22

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information	Sample Information						Test Description(s)									
Lab Number:																
Client: Fruit Growers Laboratory Address: 853 Corporation St. Santa Paula, CA 93060-3005																
Phone: Fax: Contact: Project: **SP 2200688** Purchase Order:																
Sampler(s): Not Available Compositor Setup Date: Time:																
Samp Num / Location Description / Date Sampled / Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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 32oz(AGT)- HNO3										
1 22A0331-01 01/12/2022 11:48	G	WW				1										

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
[signature]	1/17/22	17:30	—					
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
GLS			Angela Davi	1/20/22	1533			

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

22A0331

22006858

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: 22A0331-01 WASTE **Water**	**Sampled: 12-Jan-22 11:48**			**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub)	27-Jan-22 12:00	14-Jan-22 11:48		
Sr-90 (Strontium 90) (Sub)	27-Jan-22 12:00	11-Jul-22 11:48		
Radium 226 228 (Sub)	27-Jan-22 12:00	11-Jul-22 11:48		
Perchlorate 314.0 (Sub)	27-Jan-22 12:00	09-Feb-22 11:48		
Gross beta SUB	27-Jan-22 12:00	11-Jul-22 11:48		
Gross alpha SUB	27-Jan-22 12:00	11-Jul-22 11:48		
Containers Supplied:				

Released By	Date	Received By	Date
	JAN 13 2022		1/13/22 1500
Released By	Date	Received By	Date

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Davi Labs

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2200688**
Purchase Order:

Sampler(s): Not Available

Compositor Setup Date: Time:

Sample Information

Test Description(s)

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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 32oz(AGT)- HNO3								
1	22A0331-01	01/12/2022	11:48	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

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

Condition Upon Receipt (Attach to COC) SP 2200688

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** /_____/_____/_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Shawn Peck** Digitally signed by Shawn Peck Title: Sample Receiving Date: 01/17/2022-16:59:26

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2200688
SRP-01/17/2022-16:59:26

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0331

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Quarterly

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	1/12/22	11:45	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 Vials	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			2	547 Glyphosate **(Sub-Out)**	Grab	AQ	Vials Amber	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L P Amber	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JAN 12 22
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	1/12/22	12:25
Received by	MARIO SANTIESTEBAN (PCL)	1/12/22	1351
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/12/22	1600
Received by			
Relinquished by			
Received at lab by		1/12/22	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0331

Customer: IPC - Integrated Performance Consultants, Inc.
9297 Research Drive
Address: Irvine CA 92618

Project: (MCC) EFF - Quarterly

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 EC =
EFF	1/12/22	11:45	4	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	
			2	Tritium (Sub-Out)	Grab	AQ	VOA Vials	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	
			1	Asbestos (Sub-Out)	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/12/22	12:25
Received by		MARIO SANTIESTEBAN (PCL)	1/12/22	1350
Relinquished by		MARIO SANTIESTEBAN (PCL)	1/12/22	1600
Received by				
Relinquished by				
Received in Lab by			JAN 12 2022	1600

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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-Jul-22 14:52
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0397-01) Collected: 13-Apr-22 By MA of IPC							
Physical Properties							
Total Alkalinity	SM 2320B	AD21821	1	18-Apr-22	18-Apr-22	**206 mg/l**	
Carbonate Alkalinity	SM 2320B	AD21821	1	18-Apr-22	18-Apr-22	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AD21821	1	18-Apr-22	18-Apr-22	**206 mg/l**	
Hydroxide Alkalinity	SM 2320B	AD21821	1	18-Apr-22	18-Apr-22	**<1 mg/l**	
Color	SM 2120 C	AD21506	5.0	15-Apr-22	15-Apr-22	**23.8 CU**	
Specific Conductance (EC)	SM 2510B	AE20327	0.1	03-May-22	08-May-22	**1540 uS/cm**	
Odor	SM 2150B	AD21507	1	15-Apr-22	15-Apr-22	**1 T.O.N.**	<
Inorganic Constituents							
Silver	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**<0.2 ug/l**	
Aluminum	EPA 200.8	AD21225	5.0	13-Apr-22	14-Apr-22	**50 ug/l**	
Fluoride	EPA 300.0	AD22531	0.10	25-Apr-22	25-Apr-22	**0.70 mg/l**	
Arsenic	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**0.8 ug/l**	
Barium	EPA 200.8	AD21225	0.5	13-Apr-22	14-Apr-22	**68 ug/l**	
Beryllium	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**<0.2 ug/l**	
Calcium	EPA 200.7	AD21414	0.10	14-Apr-22	14-Apr-22	**70.7 mg/l**	
Cadmium	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**2.7 ug/l**	
Copper	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**1.1 ug/l**	
Cyanide (total)	SM 4500-CN-E	AD21417	0.0040	14-Apr-22	14-Apr-22	**<0.0040 mg/l**	
Iron	EPA 200.7	AD21414	0.02	14-Apr-22	14-Apr-22	**0.09 mg/l**	
Mercury	EPA 245.1	AD21618	0.20	21-Apr-22	21-Apr-22	**<0.20 ug/l**	
Magnesium	EPA 200.7	AD21414	0.10	14-Apr-22	14-Apr-22	**33.4 mg/l**	
Manganese	EPA 200.8	AD21225	0.5	13-Apr-22	14-Apr-22	**66 ug/l**	
Nickel	EPA 200.8	AD21225	0.5	13-Apr-22	14-Apr-22	**4.4 ug/l**	
Lead	EPA 200.8	AD21225	0.2	13-Apr-22	14-Apr-22	**<0.2 ug/l**	
pH	SM 4500H-B	AD21509	0.1	13-Apr-22	13-Apr-22	**7.5 pH Units**	A-01

Respectfully Submitted,



Stephen Sakai 7/15/2022
Lab 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: 15-Jul-22 14:52
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0397-01) Collected: 13-Apr-22 By MA of IPC							
Inorganic Constituents							
Antimony	EPA 200.8	AD21225	1.0	13-Apr-22	14-Apr-22	**1.2 ug/l**	
Selenium	EPA 200.8	AD21225	2.0	13-Apr-22	14-Apr-22	**<2.0 ug/l**	
Thallium	EPA 200.8	AD21225	1.0	13-Apr-22	14-Apr-22	**<1.0 ug/l**	
Uranium	EPA 200.8	AD21225	0.7	13-Apr-22	14-Apr-22	**1.5 pCi/L**	
Zinc	EPA 200.8	AD21225	1.0	13-Apr-22	14-Apr-22	**18 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AD21409	0.20	14-Apr-22	14-Apr-22	**<0.20 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Styrene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	

Respectfully Submitted,

Stephen Sakai 7/15/2022
Lab 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

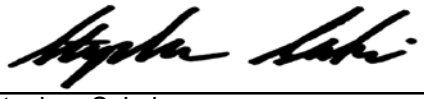
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jul-22 14:52
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0397-01) Collected: 13-Apr-22 By MA of IPC							
Volatile Organic Chemicals (VOCs)							
Tetrachloroethylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Toluene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Bromoform	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Chloroform	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**10.2 ug/l**	
Dibromochloromethane	EPA 524.2	AD22736	0.5	27-Apr-22	27-Apr-22	**<0.5 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AD22736		27-Apr-22	27-Apr-22	*108 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AD22736		27-Apr-22	27-Apr-22	*118 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AD22736		27-Apr-22	27-Apr-22	*106 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AD22731	1.00	27-Apr-22	23-May-22	**1.73 ug/l**	
Dichloroacetic Acid	EPA 552.2	AD22731	1.00	27-Apr-22	23-May-22	**10.2 ug/l**	
Trichloroacetic Acid	EPA 552.2	AD22731	1.00	27-Apr-22	23-May-22	**4.62 ug/l**	
Monobromoacetic Acid	EPA 552.2	AD22731	1.00	27-Apr-22	23-May-22	**1.00 ug/l**	
Dibromoacetic Acid	EPA 552.2	AD22731	1.00	27-Apr-22	23-May-22	**<1.00 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AD22731		27-Apr-22	23-May-22	*77.2 % (60-140)*	
Bromate	EPA 300.1	AD22622	50.0	26-Apr-22	27-Apr-22	**664 ug/l**	
Chlorite	EPA 300.1	AD22622	20.0	26-Apr-22	27-Apr-22	**123 ug/l**	

Respectfully Submitted,



Stephen Sakai 7/15/2022
Lab 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: 15-Jul-22 14:52
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0397-01) Collected: 13-Apr-22 By MA of IPC							
Disinfection Byproducts							
Haloacetic Acids (HAA5)	[CALC]	[CALC]	1.00	27-Apr-22	23-May-22	**17.6 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	27-Apr-22	27-Apr-22	**10.2 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AD22741	0.010	27-Apr-22	28-Apr-22	**<0.010 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AD22741	0.020	27-Apr-22	28-Apr-22	**<0.020 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AD22623	2.0	26-Apr-22	06-Jun-22	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AD22623	2.0	26-Apr-22	06-Jun-22	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AD22623		26-Apr-22	06-Jun-22	*65.4 % (50-120)*	
Alachlor	EPA 507	AD22106	0.2	21-Apr-22	24-May-22	**<0.2 ug/l**	
Atrazine	EPA 507	AD22106	0.2	21-Apr-22	24-May-22	**<0.2 ug/l**	
Molinate	EPA 507	AD22106	0.2	21-Apr-22	24-May-22	**<0.2 ug/l**	
Simazine	EPA 507	AD22106	0.2	21-Apr-22	24-May-22	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AD22106	0.2	21-Apr-22	24-May-22	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AD22106		21-Apr-22	24-May-22	*76.1 % (40-120)*	
Chlordane	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Endrin	EPA 508	AD22105	0.01	21-Apr-22	03-May-22	**<0.01 ug/l**	
Heptachlor	EPA 508	AD22105	0.01	21-Apr-22	03-May-22	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AD22105	0.01	21-Apr-22	03-May-22	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AD22105	0.01	21-Apr-22	03-May-22	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AD22105	0.01	21-Apr-22	03-May-22	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AD22105	0.01	21-Apr-22	03-May-22	**<0.01 ug/l**	
Methoxychlor	EPA 508	AD22105	0.05	21-Apr-22	03-May-22	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	

Respectfully Submitted,

Stephen Sakai 7/15/2022
Lab 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: 15-Jul-22 14:52
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22D0397-01) Collected: 13-Apr-22 By MA of IPC							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1248 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Total PCBs	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Toxaphene	EPA 508	AD22105	0.1	21-Apr-22	03-May-22	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AD22105		21-Apr-22	03-May-22	*63.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AD22105		21-Apr-22	03-May-22	*77.5 % (50-120)*	
Bentazon	EPA 515.1	AD22730	1.0	27-Apr-22	31-May-22	**<1.0 ug/l**	
2,4-D	EPA 515.1	AD22730	1.0	27-Apr-22	31-May-22	**<1.0 ug/l**	
Dalapon	EPA 515.1	AD22730	5.0	27-Apr-22	31-May-22	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AD22730	1.0	27-Apr-22	31-May-22	**2.8 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AD22730	0.1	27-Apr-22	31-May-22	**<0.1 ug/l**	
Picloram	EPA 515.1	AD22730	1.0	27-Apr-22	31-May-22	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AD22730	0.2	27-Apr-22	31-May-22	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AD22730		27-Apr-22	31-May-22	*97.2 % (60-140)*	
Benzo (a) pyrene	EPA 550	AD22022	0.05	20-Apr-22	25-May-22	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AD22022		20-Apr-22	25-May-22	*80.2 % (45-120)*	

Respectfully Submitted,



Stephen Sakai 7/15/2022
Lab 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: 15-Jul-22 14:52
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

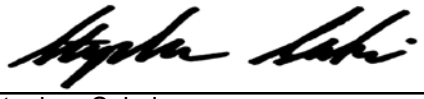
Notes and Definitions

A-01 Langlier Index = -0.21 (Slightly Corrosive)

< Result was less than reported value.

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 7/15/2022
Lab Director

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 322207945
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Berentsen
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 04/14/2022
Analyzed: 04/23/2022

Proj: 22D0397

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
22D0397-01 322207945-0001	4/14/2022 05:50 PM	100	1288	0.0640	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.74
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.74

Collection Date/Time: *04/13/2022 06:50 AM*

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 04/24/2022 16:56:46

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 2D19054

Project: 22D0397

Attn: Stephen Berentsen

Client: Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Report Date: 5/11/2022

Received Date: 4/19/2022

Turnaround Time: Normal

Phones: (818) 639-5300

Fax: (818) 639-5306

P.O. #:

Billing Code:

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 4/19/22 with the Chain-of-Custody document. The samples were received in good condition, at 1.4 °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:

Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported:
05/11/2022 16:28

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
22D0397-01	Client	2D19054-01	Water	04/13/22 06:50	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 8321A in Water			
3-Hydroxycarbofuran	16655-82-6	✓	
Aldicarb	116-06-3	✓	
Aldicarb sulfone	1646-88-4	✓	
Aldicarb sulfoxide	1646-87-3	✓	
Propoxur (Baygon)	114-26-1	✓	
Carbaryl	63-25-2	✓	
Carbofuran	1563-66-2	✓	
Methiocarb	2032-65-7	✓	
Methomyl	16752-77-5	✓	
Oxamyl	23135-22-0	✓	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported: 05/11/2022 16:28

Sample Results

Sample: 22D0397-01 — Sampled: 04/13/22 6:50 by Client

2D19054-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W2D1268 **Preparation:** EPA 549.2/SPE		**Prepared:** 04/19/22 07:30				**Analyst:** PJS
Diquat	ND	4.0	ug/l	1	04/21/22	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W2D1402 **Preparation:** EPA 548.1/SPE		**Prepared:** 04/20/22 08:07				**Analyst:** rmr
Endothall	ND	45	ug/l	1	04/22/22	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W2D1700 **Preparation:** _NONE (LC)		**Prepared:** 04/22/22 16:46				**Analyst:** PJS
Glyphosate	ND	5.0	ug/l	1	04/22/22	
Pesticides/Herbicides and Other Organic compounds by LC/MS/MS						
Method: EPA 8321A		**Instr:** LCMS03				
Batch ID: W2D2171 **Preparation:** _NONE (LC)		**Prepared:** 04/28/22 13:40				**Analyst:** pjs
3-Hydroxycarbofuran	ND	0.50	ug/l	1	04/28/22	
Aldicarb	ND	0.50	ug/l	1	04/28/22	
Aldicarb sulfone	ND	0.50	ug/l	1	04/28/22	
Aldicarb sulfoxide	ND	0.50	ug/l	1	04/28/22	
Carbaryl	ND	0.50	ug/l	1	04/28/22	
Carbofuran	ND	0.50	ug/l	1	04/28/22	
Methiocarb	ND	0.50	ug/l	1	04/28/22	
Methomyl	ND	0.50	ug/l	1	04/28/22	
Oxamyl	ND	0.50	ug/l	1	04/28/22	
Propoxur (Baygon)	ND	0.50	ug/l	1	04/28/22	

Sample Results

Sample: 22D0397-01 — Sampled: 04/13/22 6:50 by Client

2D19054-01RE1 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Pesticides/Herbicides and Other Organic compounds by LC/MS/MS						
Method: EPA 8321A		**Instr:** LCMS03				
Batch ID: W2D2171 **Preparation:** _NONE (LC)		**Prepared:** 04/28/22 13:40				**Analyst:** pjs
Diuron	ND	1.0	ug/l	1	05/04/22	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported:
05/11/2022 16:28

Quality Control Results

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2D1268 - EPA 549.2										
Blank (W2D1268-BLK1)				**Prepared: 04/19/22**	**Analyzed: 04/21/22**					
Diquat	ND	4.0	ug/l							
LCS (W2D1268-BS1)				**Prepared: 04/19/22**	**Analyzed: 04/21/22**					
Diquat	16.3	4.0	ug/l	20.0		82	70-130			
Matrix Spike (W2D1268-MS1)	**Source: 2C17012-01**			**Prepared: 04/19/22**	**Analyzed: 04/21/22**					
Diquat	8.31	4.0	ug/l	20.0	ND	42	46-122			MS-01
Matrix Spike (W2D1268-MS2)	**Source: 2C17015-01**			**Prepared: 04/19/22**	**Analyzed: 04/21/22**					
Diquat	14.2	4.0	ug/l	20.0	ND	71	46-122			
Matrix Spike Dup (W2D1268-MSD1)	**Source: 2C17012-01**			**Prepared: 04/19/22**	**Analyzed: 04/21/22**					
Diquat	16.9	4.0	ug/l	20.0	ND	84	46-122	68	30	R-02
Matrix Spike Dup (W2D1268-MSD2)	**Source: 2C17015-01**			**Prepared: 04/19/22**	**Analyzed: 04/21/22**					
Diquat	11.6	4.0	ug/l	20.0	ND	58	46-122	20	30	

Quality Control Results

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2D1402 - EPA 548.1										
Blank (W2D1402-BLK1)				**Prepared: 04/20/22**	**Analyzed: 04/22/22**					
Endothall	ND	45	ug/l							
LCS (W2D1402-BS1)				**Prepared: 04/20/22**	**Analyzed: 04/22/22**					
Endothall	68.6	45	ug/l	100		69	31-117			
Matrix Spike (W2D1402-MS1)	**Source: 2C17010-01**			**Prepared: 04/20/22**	**Analyzed: 04/22/22**					
Endothall	39.8	90	ug/l	200	ND	20	0.1-109			
Matrix Spike Dup (W2D1402-MSD1)	**Source: 2C17010-01**			**Prepared: 04/20/22**	**Analyzed: 04/22/22**					
Endothall	38.6	90	ug/l	200	ND	19	0.1-109	3	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported:
05/11/2022 16:28

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2D1700 - EPA 547										
Blank (W2D1700-BLK1)				**Prepared & Analyzed: 04/22/22**						
Glyphosate	ND	5.0	ug/l							
LCS (W2D1700-BS1)				**Prepared & Analyzed: 04/22/22**						
Glyphosate	20.1	5.0	ug/l	25.0		81	70-130			
Matrix Spike (W2D1700-MS1)	**Source: 2C17015-01**			**Prepared & Analyzed: 04/22/22**						
Glyphosate	21.3	5.0	ug/l	25.0	ND	85	41-149			
Matrix Spike (W2D1700-MS2)	**Source: 2C17011-01**			**Prepared & Analyzed: 04/22/22**						
Glyphosate	19.9	5.0	ug/l	25.0	ND	80	41-149			
Matrix Spike Dup (W2D1700-MSD1)	**Source: 2C17015-01**			**Prepared & Analyzed: 04/22/22**						
Glyphosate	21.3	5.0	ug/l	25.0	ND	85	41-149	0.2	30	
Matrix Spike Dup (W2D1700-MSD2)	**Source: 2C17011-01**			**Prepared & Analyzed: 04/22/22**						
Glyphosate	18.8	5.0	ug/l	25.0	ND	75	41-149	6	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported:
05/11/2022 16:28

Quality Control Results

(Continued)

Pesticides/Herbicides and Other Organic compounds by LC/MS/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2D2171 - EPA 8321A										
Blank (W2D2171-BLK1)				**Prepared & Analyzed: 04/28/22**						
3-Hydroxycarbofuran	ND	0.50	ug/l							
Aldicarb	ND	0.50	ug/l							
Aldicarb sulfone	ND	0.50	ug/l							
Aldicarb sulfoxide	ND	0.50	ug/l							
Carbaryl	ND	0.50	ug/l							
Carbofuran	ND	0.50	ug/l							
Methiocarb	ND	0.50	ug/l							
Methomyl	ND	0.50	ug/l							
Oxamyl	ND	0.50	ug/l							
Propoxur (Baygon)	ND	0.50	ug/l							
Blank (W2D2171-BLK2)				**Prepared: 04/28/22 Analyzed: 05/04/22**						
Diuron	ND	1.0	ug/l							QC-2
LCS (W2D2171-BS1)				**Prepared & Analyzed: 04/28/22**						
3-Hydroxycarbofuran	11.2	0.50	ug/l	10.0		112	80-120			
Aldicarb	11.3	0.50	ug/l	10.0		113	80-120			
Aldicarb sulfone	10.5	0.50	ug/l	10.0		105	80-120			
Aldicarb sulfoxide	10.1	0.50	ug/l	10.0		101	80-120			
Carbaryl	11.3	0.50	ug/l	10.0		113	80-120			
Carbofuran	10.6	0.50	ug/l	10.0		106	80-120			
Methiocarb	10.6	0.50	ug/l	10.0		106	80-120			
Methomyl	10.8	0.50	ug/l	10.0		108	80-120			
Oxamyl	10.6	0.50	ug/l	10.0		106	80-120			
Propoxur (Baygon)	11.2	0.50	ug/l	10.0		112	80-120			
LCS (W2D2171-BS2)				**Prepared: 04/28/22 Analyzed: 05/04/22**						
Diuron	4.59	1.0	ug/l	5.00		92	68-125			QC-2
Matrix Spike (W2D2171-MS1)	**Source: 2D19054-01**			**Prepared & Analyzed: 04/28/22**						
3-Hydroxycarbofuran	13.6	0.50	ug/l	10.0	ND	136	65-135			MS-01
Aldicarb	11.9	0.50	ug/l	10.0	ND	119	65-135			
Aldicarb sulfone	12.6	0.50	ug/l	10.0	ND	126	65-135			
Aldicarb sulfoxide	13.9	0.50	ug/l	10.0	ND	139	65-135			MS-01
Carbaryl	12.9	0.50	ug/l	10.0	ND	129	65-135			
Carbofuran	13.5	0.50	ug/l	10.0	ND	135	65-135			
Methiocarb	13.8	0.50	ug/l	10.0	ND	138	65-135			MS-01
Methomyl	12.8	0.50	ug/l	10.0	ND	128	65-135			
Oxamyl	12.7	0.50	ug/l	10.0	ND	127	65-135			
Propoxur (Baygon)	13.6	0.50	ug/l	10.0	ND	136	65-135			MS-01
Matrix Spike (W2D2171-MS2)	**Source: 2D19054-01**			**Prepared: 04/28/22 Analyzed: 05/04/22**						
Diuron	5.13	1.0	ug/l	5.00	ND	103	58-160			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported:
05/11/2022 16:28

Quality Control Results

(Continued)

Pesticides/Herbicides and Other Organic compounds by LC/MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2D2171 - EPA 8321A (Continued)										
Matrix Spike Dup (W2D2171-MSD1)	**Source: 2D19054-01**			**Prepared & Analyzed: 04/28/22**						
3-Hydroxycarbofuran	14.7	0.50	ug/l	10.0	ND	147	65-135	7	30	MS-01
Aldicarb	13.7	0.50	ug/l	10.0	ND	137	65-135	14	30	MS-01
Aldicarb sulfone	14.0	0.50	ug/l	10.0	ND	140	65-135	10	30	MS-01
Aldicarb sulfoxide	14.1	0.50	ug/l	10.0	ND	141	65-135	1	30	MS-01
Carbaryl	14.1	0.50	ug/l	10.0	ND	141	65-135	9	30	MS-01
Carbofuran	14.8	0.50	ug/l	10.0	ND	148	65-135	10	30	MS-01
Methiocarb	13.3	0.50	ug/l	10.0	ND	133	65-135	4	30	
Methomyl	13.8	0.50	ug/l	10.0	ND	138	65-135	8	30	MS-01
Oxamyl	13.7	0.50	ug/l	10.0	ND	137	65-135	8	30	MS-01
Propoxur (Baygon)	14.0	0.50	ug/l	10.0	ND	140	65-135	3	30	MS-01
Matrix Spike Dup (W2D2171-MSD2)	**Source: 2D19054-01**			**Prepared: 04/28/22 Analyzed: 05/04/22**						
Diuron	5.32	1.0	ug/l	5.00	ND	106	58-160	4	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22D0397

Project Manager: Stephen Berentsen

Reported:
05/11/2022 16:28

Notes and Definitions

Item	Definition
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
%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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

CERES Analytical Laboratory, Inc.
4919 Windplay Dr Suite 1, El Dorado Hills, CA 95762

May 2, 2022 Ceres ID: 15198

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on April 20, 2022. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613. Routine turn-around time was provided for this work.

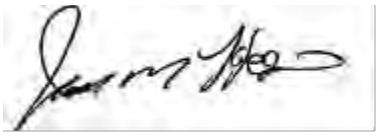
This work was authorized under Pat-Chem Laboratories' Project # 22D0397.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

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
15198-001	22D0397-01	4/20/2022	4/13/2022	6:50

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**		**Date Received:** NA
	QC Batch #: 2616	**Date Extracted:** 4/28/2022
	Matrix: Aqueous	**Date Analyzed:** 4/29/2022
Project ID: 22D0397	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.51	0.772	5.00		13C-2378-TCDD	103	31-137	
					CRS			
					37Cl4-2378-TCDD	109	35-197	

DL - Signifies Non-Detect (ND<) 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 #: 2616	**Date Extracted:** 4/28/2022
	Matrix: Aqueous	**Date Analyzed:** 4/29/2022
Project ID: 22D0397	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.42	7.3-14.6	13C-2378-TCDD	90.8	25-141
			CRS		
			37Cl4-2378-TCDD	76.9	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: 22D0397-01		
Project ID: 22D0397	**Ceres Sample ID:** 15198-001	**Date Received:** 4/20/2022
	QC Batch #: 2616	**Date Extracted:** 4/28/2022
Date Collected: 4/13/2022	**Matrix:** Aqueous	**Date Analyzed:** 4/29/2022
Time Collected: 6:50	**Sample Size:** 0.972 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.83	0.772	5.14		13C-2378-TCDD	105	31-137	
					CRS			
					37Cl4-2378-TCDD	92.9	42-164	

DL - Signifies Non-Detect (ND<) 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

22 lbs.

SUBCONTRACT ORDER

Pat-Chem Laboratories

22D0397

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: 22D0397-01	**Water**	**Sampled: 13-Apr-22 06:50**	[redacted]	**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Su	28-Apr-22 12:00	20-Apr-22 06:50		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	APR 18 2022	[signature]	4/20/22 1130
Released By	Date	Received By	Date

Sample Receipt Check List Logged by: JK (initials)

Ceres ID: 15198	Date/Time: 4/20/22 1130
Client Project ID: 22D0397	Received Temp: 3.4 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or ~~Temperature~~)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N) / NA
Aqueous sample pH: 7	NA

List COC discrepancies:

JK 4/20/22

List Damaged Samples:

JK 4/20/22

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Invoice # 206153A

Remit To:
FGL Environmental
853 Corporation St
Santa Paula, CA 93060

INVOICE
PREPAID

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Account # 2012670	
Date Billed 05/31/2022	Amount Due $0.00
Date Due 06/30/2022	Amount Paid $506.00

To ensure that your account is properly credited, please return top portion with payment

Keep bottom portion for your records.

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

INVOICE

Customer Pat-Chem Laboratories	Account # 2012670	Date Sampled 04/13/2022	Lab Number SP 2206153
Project Pat-Chem Laboratories 22D0397	Invoice # 206153A	Date Billed 05/31/2022	Amount Due $0.00
PO# / Check Number 22D0397	Date Paid	Date Due 06/30/2022	Amount Paid $506.00

Description of Work	Quantity	Rate	Extended
Radio Analysis			
Radio Chemistry-Gross Alpha,Gross Beta,Total Radium 226,Tritium,Ra 228	1	293.00	293.00
Sub Contr. Analysis			
Sub Contracted-Strontium 90	1	155.00	155.00
Sub Inorganic-Perchlorate	1	58.00	58.00
Total			**$506.00**
Accounting - Pre-Paid CC;			**-$506.00**
		Total	**$0.00**

(SMH-L4) **For Questions about this Invoice** - contact Stephanie Herron at 805-392-2021

June 22, 2022

Lab No. : SP 2206153
Customer No. : 2012670

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 3 pages divided into 3 sections:

Case Narrative	(1 page)	: 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 No.	Matrix
22D0397-01	04/13/2022	04/14/2022	SP 2206153-001	W

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 900.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 903.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 906.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA RA-05	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: SVH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-06-22

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

June 22, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22D0397-01
Project : Pat-Chem Laboratories 22D0397

Lab No. : SP 2206153-001
Customer No. : 2012670

Sampled On : April 13, 2022 at 06:50
Sampled By : Not Available
Received On : April 14, 2022 at 14:38
Matrix : Water

Sample Results - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis			
Radio Chemistry						Date	Time	Who	Method	Date	Time	Who
Gross Alpha	1.84 ± 1.51	2.08	pCi/L	15/5		04/19/2022	08:00	ejc	EPA 900.0	04/27/2022	12:54	jca
Gross Beta	2.03 ± 0.755	1.14	pCi/L			04/19/2022	08:00	ejc	EPA 900.0	05/02/2022	13:02	jca
Total Alpha Radium (226)	0.209 ± 0.171	0.410	pCi/L			04/27/2022	18:00	emv	EPA 903.0	05/05/2022	13:45	jca
Tritium	233 ± 274	434	pCi/L			04/25/2022	08:00	jca	EPA 906.0	05/02/2022	14:30	jca
Ra 228	0.556 ± 0.892	0.643	pCi/L			05/04/2022	18:00	emv	EPA RA-05	05/05/2022	19:10	emv

DQF Flags Definition:

ND=Non-Detected, RL=Reporting Level

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

June 22, 2022

Pat-Chem Laboratories

Lab No. : SP 2206153
Customer No. : 2012670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Gross Alpha	900.0	04/19/2022:204272EJC	Blank	pCi/L		ND	<3	
			LCS	pCi/L	201.1	75.0 %	75-125	
			BS	pCi/L	201.1	64.3 %	60-140	
			BSD	pCi/L	201.1	63.5 %	60-140	
			BSRPD	pCi/L	201.1	1.2%	≤30	
Gross Beta	900.0	04/19/2022:204272EJC	Blank	pCi/L		ND	<4	
			LCS	pCi/L	34.75	114 %	84-160	
			BS	pCi/L	34.75	101 %	80-130	
			BSD	pCi/L	34.75	99.6 %	80-130	
			BSRPD	pCi/L	201.1	1.1%	≤30	
Total Radium	903.0	04/27/2022:204312EMV	RgBlk	pCi/L		0.06	2	
			LCS	pCi/L	24.38	62.1 %	52-107	
			BS	pCi/L	24.38	59.4 %	43-111	
			BSD	pCi/L	24.38	60.3 %	43-111	
			BSRPD	pCi/L	24.38	1.4%	≤35.5	
Tritium	906.0	04/25/2022:204500JCA	Blank	pCi/L		ND	<300	
			LCS	pCi/L	1508	106 %	75-125	
			BS	pCi/L	1508	102 %	75-125	
			BSD	pCi/L	1508	103 %	75-125	
			BSRPD	pCi/L	1508	0.3%	≤25	
Radium - 228	Ra - 05	05/04/2022:204311EMV	RgBlk	pCi/L		-0.19	3	
			LRS	pCi/L	12.86	73.9 %	65-108	
			BS	pCi/L	12.86	95.9 %	75-125	
			BSD	pCi/L	12.86	91.5 %	75-125	
			BSRPD	pCi/L	12.86	0.56	≤3	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
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.
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.
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.
ND : Non-detect - Result was below the DQO listed for the analyte.
RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

Page 3 of 3

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

May 6, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2206153

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 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: 2022-05-06

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

A2LA ACCREDITED
CERTIFICATE #'s 5890.01 & 5890.02

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
05/03/2022

EUROFINS EATON ANALYTICAL, LLC

NELAP ACCREDITED TNI LABORATORY
Utah ELCP CA00006

Report: 999456
Project: DRINKING
Group: Perchlorate

WV6M: Rosalynn Dang

Project Manager

* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.
* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.
* As applicable, this report consists of the cover page, State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms.
* Test results relate only to the sample(s) tested.
* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).
* This report shall not be reproduced except in full, without the written approval of the laboratory.
* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	NE-OS-21-13
Arkansas	CA00006	Nevada	CA00006
California	2813	New Hampshire *	2959
Colorado	CA00006	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	CA00006
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	21-008R	Ohio - 537.1	87786
Hawaii	CA00006	Oregon *	4034
Idaho	CA00006	Pennsylvania *	68-00565
Illinois	200033	Puerto Rico	CA00006
Indiana	C-CA-01	Rhode Island	LAO00326
Iowa – Asbestos	413	South Carolina	87016
Kansas *	E-10268	South Dakota	CA11320
Kentucky	90107	Tennessee	TN02839
Louisiana *	LA008	Texas *	T104704230-20-18
Maine	CA00006	Utah (Primary AB) *	CA00006
Maryland	224	Vermont	VT0114
Marianas Islands	MP0004	Virginia *	460260
Massachusetts	M-CA006	Washington	C838
Michigan	9906	EPA Region 5	CA00006
Mississippi	CA00006	Los Angeles County Sanitation Districts	10264

* 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

ISO/IEC 17025:2917 Accredited Method List

The test listed below are accredited and met the requirements of ISO/IEC 17025 as verify by A2LA.

Refer to our certificates and scope of accreditations (no. 5890-1 and 5890-2) found at:

https://www.eurofinsus.com/Eaton

Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x	
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	x	
Legionella	Legiolert®	x	
Pseudomonas aeruginosa	Idexx Pseudalert	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x	
Total Microcystins and Nodularins	EPA 546	X	
Yeast and Mold	SM 9610	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x	
1,4-Dioxane	EPA 522	x	
2,3,7,8-TCDD	Modified EPA 1613 B	X	
Acrylamide	+LCMS 2440)	x	
Algal Toxins/Microcystin	+ LCMS 3570	x	
Alkalinity	SM 2320B	x	x
Ammonia	EPA 350.1, SM 4500-NH3 H		x
Asbestos	EPA 100.2	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x
BOD/CBOD	SM 5210 B		x
Bromate	+LCMS- 2447	x	
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x	
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x	
Color	SM2120B	x	
Conductivity	EPA 120.1, SM 2510B	x	x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x	
Cyanide (Amenable)	SM 4500-CN G	x	x
Cyanide (Free)	SM 4500CN F	x	x
Cyanide (Total)	EPA 335.4	x	x
Cyanogen Chloride (Screen)	+335 Mod (WC-24467)	x	
Diquat and Paraquat	EPA 549.2	x	
DBP and HAA	SM 6251 B	x	
Dissolved Organic Carbon	SM 5310 C	x	
Dissolved Oxygen	SM 4500-O G		x
EDB/DCBP/TCP	EPA 504.1	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	+ WC-2454	x	
Endothall	EPA 548.1, +(LCMS-2445)	x	
Fluoride	SM 4500F C	x	x
Glyphosate	EPA 547	x	
Glyphosate and AMPA	+LCMS-3618	x	
Gross Alpha and Gross Beta	EPA 900.0	x	x

Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	x	x
Hexavalent Chromium	EPA 218.6,	x	x
Hexavalent Chromium	EPA 218.7,	x	
Hexavalent Chromium	SM 3500-Cr B		x
Inorganic Anions and DBPs	EPA 300.0	x	x
Norganic Anions and DBPs	EPA 300.1	x	
Kjeldahl Nitrogen	EPA 351.2		x
Metals	EPA 200.7, EPA200.8	x	x
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Odor	SM2150B	x	
Organohalide Pesticides and PCB	EPA 505	x	
Ortho Phosphate	SM 4500P E	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Perchlorate	EPA 331.0	x	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
PPCP and EDC	+LCMS-2443	x	
pH	EPA 150.1 SM 4500-H+ B	x	x
Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
Phenylurea Pesticides/Herbicides	+LCMS-2448	x	
Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Radon-222	SM 7500RN	x	
Residue (Filterable)	SM 2540C	x	x
Residue (Non-Filterable)	SM 2540D		x
Residue (Total)	SM 2540B		x
Residue (Volatile)	EPA 160.4		x
Semi-Volatile Compounds	EPA 525.2	x	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		x
Sulfite	SM 4500-SO3 B	x	x
Surfactants	SM 5540C	x	x
Taste and Odor	SM 6040 E	x	
Total Organic Carbon	SM 5310 C	x	x
Total Phenols	EPA 420.1		x
Total Phenols	EPA 420.4	x	x
Triazine Pesticides and their Degradates	+LCMS-3617	x	
Turbidity	EPA 180.1	x	x
Uranium by ICP/MS	EPA 200.8	x	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	x	
VOCs	+(GCMS 2412) by EPA 524.2 modified	x	

(*) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.

(+) In-House Method

eurofins | Eaton Analytical

Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 999456
Project: DRINKING
Sample Group: Perchlorate

Project Manager: Rosalynn Dang
Phone: 626-386-1250
PO #: SP 2206153

The following samples were received from you on **April 15, 2022** at **1120**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202204150203	22D0397-01	04/13/2022 0650
	L-CLO4	

Test Description

750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016 Tel (626) 386-1100 Fax (866) 988-3757 www.EurofinsUS.com/Eaton

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Eaton Analytical, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

4444456

Chain of Custody Information				Sample Information						Test Description(s)									
Lab Number:				Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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)	Sub Inorganic-Perchlorate 8oz(P)								
Client: Fruit Growers Laboratory Address: 853 Corporation St. Santa Paula, CA 93060-3005 Phone: Fax: Contact: Project: **SP 2206153** Purchase Order:																			
Sampler(s): Not Available Compositor Setup Date: Time:																			
Samp Num	Location Description	Date Sampled	Time Sampled																
1	22D0397-01	04/13/2022	06:50	G	W					1	1								

Remarks	Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
	[signature]	4/14/22	17:30						
	Received By: GLS	Date	Time	Received By: [signature]	Date 4/15.22	Time 1120	Received By:	Date	Time

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

eurofins | Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 444456

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 = 630 (Observation= 1.5 °C) (Corr.Factor -0.2 °C) (Final = 1.3 °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: GLS

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 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	Test

Samp ID	Bottle #	None/<6 mm	>6mm	Test

Samp ID	Bottle #	None/<6 mm	>6mm	Test

Samp ID	Bottle #	None/<6 mm	>6mm	Test

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): ____

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:		Vicki Moscone	Eurofins Eaton Analytical	4/15/22	1120
SAMPLES CHECKED AGAINST COC BY:			Eurofins Eaton Analytical		

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 999456
Project: DRINKING
Group: Perchlorate

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

The Comments Report may be blank if there are no comments for this report.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Hits

Report: 999456
Project: DRINKING
Group: Perchlorate

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
04/15/2022 1120

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 999456
Project: DRINKING
Group: Perchlorate

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
04/15/2022 1120

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
22D0397-01 (202204150203)							**Sampled on 04/13/2022 0650**		
			EPA 314.0 - Perchlorate with 2 ug/L MRL						
	04/29/22 09:26	(1)	1404450	(EPA 314.0)	Perchlorate- Low Level	ND	ug/L	2.0	1

Rounding on totals after summation.
(c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory QC Summary

Report: 999456
Project: DRINKING
Group: Perchlorate

FGL Environmental, Inc.

Perchlorate with 2 ug/L MRL

Analytical Batch: 1404450 **Analysis Date: 04/29/2022**

202204150203 22D0397-01 Analyzed by: YHP7

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory QC

Report: 999456
Project: DRINKING
Group: Perchlorate

FGL Environmental, Inc.

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield(%)	Limits (%)	RPD Limit(%)	RPD%
Perchlorate with 2 ug/L MRL by EPA 314.0									
Analytical Batch: 1404450						**Analysis Date: 04/29/2022**			
LCS1	Perchlorate- Low Level		10	9.53	ug/L	95	(85-115)		
LCS2	Perchlorate- Low Level		10	9.24	ug/L	92	(85-115)	15	3.1
MBLK	Perchlorate- Low Level			<1	ug/L				
MRL_CHK	Perchlorate- Low Level		2	1.70	ug/L	85	(75-125)		
MS_202204070881	Perchlorate- Low Level	ND	4	4.02	ug/L	100	(80-120)		
MSD_202204070881	Perchlorate- Low Level	ND	4	3.83	ug/L	96	(80-120)	15	4.7

Spike recovery is already corrected for native results.
Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates are advisory only, unless otherwise specified in the method.
RPD not calculated for LCS2 when different a concentration than LCS1 is used.
RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level).
(S) - Indicates surrogate compound.
(I) - Indicates internal standard compound.

May 25, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2206153

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: 2022-05-25

Enclosure

eurofins | Eaton Analytical

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

A2LA ACCREDITED
CERTIFICATE #'s 5890.01 & 5890.02

Laboratory Report

for

FGL Environmental, Inc.
853 Corporation Street
Santa Paula, CA 93060
Attention: Cindy Aguirre
Fax: 805-525-4172

Date of Issue
05/24/2022

EUROFINS EATON ANALYTICAL, LLC

NELAP ACCREDITED TNI LABORATORY
Utah ELCP CA00006

Report: 999972
Project: DRINKING
Group: STRONTIUM 90

WV6M: Rosalynn Dang

Project Manager

* Accredited in accordance with TNI 2016 and ISO/IEC 17025:2017.
* Laboratory certifies that the test results meet all **TNI 2016 and ISO/IEC 17025:2017** requirements unless noted under the individual analysis.
* As applicable, this report consists of the cover page, State Certification List, ISO 17025 Accredited Method List, Acknowledgement of Samples Received, Comments, Hits Report, Data Report, QC Summary, QC Report and Regulatory Forms.
* Test results relate only to the sample(s) tested.
* Test results apply to the sample(s) as received, unless otherwise noted in the comments report (ISO/IEC 17025:2017).
* This report shall not be reproduced except in full, without the written approval of the laboratory.
* This report includes ISO/IEC 17025 and non-ISO 17025 accredited methods.

STATE CERTIFICATION LIST

State	Certification Number	State	Certification Number
Alabama	41060	Montana	Cert 0035
Arizona	AZ0778	Nebraska	NE-OS-21-13
Arkansas	CA00006	Nevada	CA00006
California	2813	New Hampshire *	2959
Colorado	CA00006	New Jersey *	CA 008
Connecticut	PH-0107	New Mexico	CA00006
Delaware	CA 006	New York *	11320
Florida *	E871024	North Carolina	06701
Georgia	947	North Dakota	R-009
Guam	21-008R	Ohio - 537.1	87786
Hawaii	CA00006	Oregon *	4034
Idaho	CA00006	Pennsylvania *	68-00565
Illinois	200033	Puerto Rico	CA00006
Indiana	C-CA-01	Rhode Island	LAO00326
Iowa – Asbestos	413	South Carolina	87016
Kansas *	E-10268	South Dakota	CA11320
Kentucky	90107	Tennessee	TN02839
Louisiana *	LA008	Texas *	T104704230-20-18
Maine	CA00006	Utah (Primary AB) *	CA00006
Maryland	224	Vermont	VT0114
Marianas Islands	MP0004	Virginia *	460260
Massachusetts	M-CA006	Washington	C838
Michigan	9906	EPA Region 5	CA00006
Mississippi	CA00006	Los Angeles County Sanitation Districts	10264

* 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

ISO/IEC 17025:2917 Accredited Method List

The test listed below are accredited and met the requirements of ISO/IEC 17025 as verify by A2LA.

Refer to our certificates and scope of accreditations (no. 5890-1 and 5890-2) found at:

https://www.eurofinsus.com/Eaton

Test(s)	Method(s)	Potable Water *	Waste Water
Enterococci	Enterolert	x	x
Escherichia coli (Enumeration)	SM 9221 B.1 SM 9221 F	x	
Fecal Coliform (P/A and Enumeration)	SM 9221 C (MTF/EC), SM 9221 E (MTF/EC)	x	x
Fecal Streptococci and Enterococci	SM 9230 B	x	x
Heterotrophic Bacteria	SM 9215 B	x	
Legionella	Legiolert®	x	
Pseudomonas aeruginosa	Idexx Pseudalert	x	
Total Coliform (P/A and Enumeration)	SM 9221A, SM 9221B, SM 9221 C	x	x
Total Coliform, Total Coliform with Chlorine Present	SM 9221 B	x	x
Total Coliform/E. coli (P/A and Enumeration, Idexx Colilert, Idexx Colilert 18, Colisure)	SM 9223	x	
Total Microcystins and Nodularins	EPA 546	X	
Yeast and Mold	SM 9610	x	
1,2,3-Trichloropropane (TCP) at 5 PPT	CA SRL 524M-TCP	x	
1,4-Dioxane	EPA 522	x	
2,3,7,8-TCDD	Modified EPA 1613 B	X	
Acrylamide	+LCMS 2440)	x	
Algal Toxins/Microcystin	+ LCMS 3570	x	
Alkalinity	SM 2320B	x	x
Ammonia	EPA 350.1, SM 4500-NH3 H		x
Asbestos	EPA 100.2	x	x
Bicarbonate Alkalinity as HCO3	SM 2330 B	x	x
BOD/CBOD	SM 5210 B		x
Bromate	+LCMS- 2447	x	
Carbonate as CO3	SM 2330 B	x	x
Carbonyls	EPA 556	x	x
Chemical Oxygen Demand	EPA 410.4, SM 5220D		x
Chlorinated Acids	EPA 515.4	x	
Chlorine Dioxide	Palin Test Chlordio X Plus, SM 4500-CLO2 D	x	
Chlorine, Free, Combined, Total Residual, Chloramines	SM 4500-Cl G	x	
Color	SM2120B	x	
Conductivity	EPA 120.1, SM 2510B	x	x
Corrosivity (Langelier Index), Carbonate as CO3, Hydroxide as OH Calculated	SM 2330 B	x	
Cyanide (Amenable)	SM 4500-CN G	x	x
Cyanide (Free)	SM 4500CN F	x	x
Cyanide (Total)	EPA 335.4	x	x
Cyanogen Chloride (Screen)	+335 Mod (WC-24467)	x	
Diquat and Paraquat	EPA 549.2	x	
DBP and HAA	SM 6251 B	x	
Dissolved Organic Carbon	SM 5310 C	x	
Dissolved Oxygen	SM 4500-O G		x
EDB/DCBP/TCP	EPA 504.1	x	
EDB/DBCP and Disinfection Byproducts	EPA 551.1	x	
EDTA and NTA	+ WC-2454	x	
Endothall	EPA 548.1, +(LCMS-2445)	x	
Fluoride	SM 4500F C	x	x
Glyphosate	EPA 547	x	
Glyphosate and AMPA	+LCMS-3618	x	
Gross Alpha and Gross Beta	EPA 900.0	x	x

Test(s)	Method(s)	Potable Water *	Waste Water
Gross Alpha coprecipitation	SM 7110 C	x	x
Hardness	SM 2340 B	x	x
Hexavalent Chromium	EPA 218.6,	x	x
Hexavalent Chromium	EPA 218.7,	x	
Hexavalent Chromium	SM 3500-Cr B		x
Inorganic Anions and DBPs	EPA 300.0	x	x
Norganic Anions and DBPs	EPA 300.1	x	
Kjeldahl Nitrogen	EPA 351.2		x
Metals	EPA 200.7, EPA200.8	x	x
Nitrosamines	EEA-Agilent 521.1 (GCMS-24250)	x	
Nitrate/Nitrite Nitrogen	EPA 353.2	x	x
Odor	SM2150B	x	
Organohalide Pesticides and PCB	EPA 505	x	
Ortho Phosphate	SM 4500P E	x	
Oxyhalides Disinfection Byproducts	EPA 317.0	x	
Perchlorate	EPA 331.0	x	
Perchlorate (Low and High Levels)	EPA 314.0	x	
Perfluorinated Alkyl Acids	EPA 533, EPA 537, EPA 537.1	x	
PPCP and EDC	+LCMS-2443	x	
pH	EPA 150.1 SM 4500-H+ B	x	x
Phenolics – Low Level	+WC 2493 (EPA 420.2 and EPA 420.4 MOD)	x	x
Phenylurea Pesticides/Herbicides	+LCMS-2448	x	
Radium-226, Radium-228	GA Tech (Rad-2374)	x	
Radon-222	SM 7500RN	x	
Residue (Filterable)	SM 2540C	x	x
Residue (Non-Filterable)	SM 2540D		x
Residue (Total)	SM 2540B		x
Residue (Volatile)	EPA 160.4		x
Semi-Volatile Compounds	EPA 525.2	x	
Silica	SM 4500-SiO2 C	x	x
Sulfide	SM 4500-S D		x
Sulfite	SM 4500-SO3 B	x	x
Surfactants	SM 5540C	x	x
Taste and Odor	SM 6040 E	x	
Total Organic Carbon	SM 5310 C	x	x
Total Phenols	EPA 420.1		x
Total Phenols	EPA 420.4	x	x
Triazine Pesticides and their Degradates	+LCMS-3617	x	
Turbidity	EPA 180.1	x	x
Uranium by ICP/MS	EPA 200.8	x	
UV 254 Organic Constituents	SM 5910B	x	
VOCs	EPA 524.2	x	
VOCs	+(GCMS 2412) by EPA 524.2 modified	x	

(*) includes: Bottled Water, Drinking Water and Water as Component of Food & Beverage.

(+) In-House Method

eurofins | Eaton Analytical

Acknowledgement of Samples Received

Addr: **FGL Environmental, Inc.**
853 Corporation Street
Santa Paula, CA 93060

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 999972
Project: DRINKING
Sample Group: STRONTIUM 90

Project Manager: Rosalynn Dang
Phone: 626-386-1250
PO #: SP 2206153

The following samples were received from you on **April 19, 2022** at **1419**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202204190486	22D0397-01	04/13/2022 0650
	@SR90EDD	

Test Description

@SR90EDD -- Strontium-90 (sub)

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Eaton Analytical, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

944972

Chain of Custody Information				Sample Information					Test Description(s)								
Lab Number:				Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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)	Sub Inorganic-Perchlorate 8oz(P) Already Recd							
Client: Fruit Growers Laboratory Address: 853 Corporation St. Santa Paula, CA 93060-3005																	
Phone: Fax: Contact: Project: **SP 2206153** Purchase Order:																	
Sampler(s): Not Available																	
Compositor Setup Date: Time:																	
Samp Num	Location Description	Date Sampled	Time Sampled														
1	22D0397-01	04/13/2022	06:50	G	W				1	1							

Remarks
please email subs received loginsp@fglinc.com

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
[signature]	4/18/22	17:30						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
GLS	4/19/22	7	[signature]	4/19/22	1419			

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

eurofins | Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 494472

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 = 6314 (Observation= 7.1 °C) (Corr.Factor 0.2 °C) (Final = 6.9 °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: GLS

Compliance Acceptance Criteria: trk # 556622740

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	Test

Samp ID	Bottle #	None/<6 mm	>6mm	Test

Samp ID	Bottle #	None/<6 mm	>6mm	Test

Samp ID	Bottle #	None/<6 mm	>6mm	Test

Note Sample IDs which have dissimilar headspace (i.e. potential sampling errors): ____

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	[signature]	Mark Urrutia	Eurofins Eaton Analytical	4/19/22	1419
SAMPLES CHECKED AGAINST COC BY:			Eurofins Eaton Analytical		

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Comments

Report: 999972
Project: DRINKING
Group: STRONTIUM 90

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Folder Comments

Results for Strontium are submitted by Pace Analytical Services, LLC

The Comments Report may be blank if there are no comments for this report.

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Hits

Report: 999972
Project: DRINKING
Group: STRONTIUM 90

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
04/19/2022 1419

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

eurofins | Eaton Analytical

Tel: (626) 386-1100
Fax: (866) 988-3757
1 800 566 LABS (1 800 566 5227)

Laboratory Data

Report: 999972
Project: DRINKING
Group: STRONTIUM 90

FGL Environmental, Inc.
Cindy Aguirre
853 Corporation Street
Santa Paula, CA 93060

Samples Received on:
04/19/2022 1419

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
22D0397-01 (202204190486)							**Sampled on 04/13/2022 0650**		
	EPA 905.0 - Strontium-90 (sub)								
	05/11/22 07:40			(EPA 905.0)	Strontium 90 (sub)	<0.520	pCi/L	0.52	1
	05/11/22 07:40			(EPA 905.0)	Strontium-90, MDA	0.52	pCi/L		1
	05/11/22 07:40			(EPA 905.0)	Strontium-90, Two Sigma Error	0.172	pCi/L		1

Rounding on totals after summation.
(c) - indicates calculated results. Analysis is a calculated result. Reported results are not rounded until the final step before reporting. Therefore methods that use a test result with further calculation may have slight differences in final result than the component analyses.

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

May 12, 2022

Ms. Jaclyn L. Contreras
Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, 100
Monrovia, CA 910163629

RE: Project: PACE PA 999972
Pace Project No.: 30482775

Dear Ms. Contreras:

Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2022. 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,

Karen L. Smetanka
karen.smetanka@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Yolanda Martin, Eurofins Eaton Analytical, LLC
Mr. Aleksandar D. Tomovich, Eurofins Eaton Analytical, LLC

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: PACE PA 999972
Pace Project No.: 30482775

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 #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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

SAMPLE SUMMARY

Project: PACE PA 999972
Pace Project No.: 30482775

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30482775001	**202204190486**	Drinking Water	04/13/22 06:50	04/21/22 09:25

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: PACE PA 999972
Pace Project No.: 30482775

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30482775001	**202204190486**	EPA 905.0	JJY	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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

PROJECT NARRATIVE

Project: PACE PA 999972
Pace Project No.: 30482775

Method: **EPA 905.0**
Description: 905.0 Strontium 89/90
Client: Eurofins Eaton Analytical
Date: May 12, 2022

General Information:
1 sample was analyzed for EPA 905.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: PACE PA 999972
Pace Project No.: 30482775

Sample: 202204190486 **Lab ID: 30482775001** Collected: 04/13/22 06:50 Received: 04/21/22 09:25 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments: • Preservative not listed on COC.
• Sampler's name and signature not on COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Total Radio-Strontium	EPA 905.0	**-0.212 ± 0.172 (0.520) C:88% T:NA**	pCi/L	05/11/22 07:40		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: PACE PA 999972
Pace Project No.: 30482775

QC Batch: 501565
QC Batch Method: EPA 905.0
Analysis Method: EPA 905.0
Analysis Description: 905.0 Strontium 89/90
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30482775001

METHOD BLANK: 2427633 Matrix: Water
Associated Lab Samples: 30482775001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Total Radio-Strontium	0.119 ± 0.208 (0.473) C:94% T:NA	pCi/L	05/11/22 07:39	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: PACE PA 999972
Pace Project No.: 30482775

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

eurofins | Eaton Analytical

Submittal Form

Date: 4/20/2022

Ship To:
`PACE Analytical Services, Inc.
1638 Roseytown Road, Suite 2
Suite 2
Greensburg, PA 15601

Phone: 724-850-5600 Fax: 724-850-5601

Folder #: 999972
Report Due: 05/19/2022

*REPORTING REQUIRMENTS: *Do Not Combine Reports with any other samples submitted under different Folder Numbers!*
Report & Invoice must have the Folder # 999972 Job # 1000014

Report all quality control data according to Method. Include dates analyzed. Date extracted (if extracted) and Method reference on the report.
Results must have Complete data & QC with Approval Signature.

Reports: Jackie Contreras Sub-Contracting Administrator
EMAIL TO: Eaton-MonroviaSubContract@eurofinset.com
Eurofins Eaton Analytical, LLC 750 Royal Oaks Drive, Suite 100, Monrovia, CA 91016
Phone (626) 386-1165 Fax (626) 386-1122
Invoices to: Eurofins Eaton Analytical, LLC
Accounts Payable 2425 New Holland Pike, Lancaster, PA 17605

Provide in each Report the Specified StateCertification # and Exp Date for requested tests + matrix.

Samples from: **CALIFORNIA**

Sample ID	Client Sample ID for reference onl	Sample Date & Time	Matrix	Clip Code	PWSID
202204190486	22D0397-01	04/13/22 0650	DW		LXG

Sample type:	Sample Event:	Facility ID:	Sample Point ID:	Static ID:

Method	Prep Method	Analysis Requested
EPA 905.0		Strontium-90 (sub)

001

WO# : 30482775

30482775

Relinquished by: _____ Sample Control GREITNER Date 04/20/2022 Time 12:21

Received by: _____ Date 4.21.22 Time 9:25

Relinquished by: _____ Sample Control _____ Date _____ Time _____

Received by: _____ Date _____ Time _____

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Eurofins Project #

WO#: 30482775 Due Date: 05/12/22 PM: KLS CLIENT: EUROF_EATON

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Label JBH
LIMS Login pp

Tracking #: 5717 5701 9645

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used AA 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

Comments:	Yes	No	N/A	pH paper Lot# 10D2811 / Date and Initials of person examining contents: JBH 4.21.22
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: DW	✓			5.
Samples Arrived within Hold Time: JBH 4.21.22	X	✓		6. Sampled on 4.13.22 arrived out of hold not preserved
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 2.5ml of HNO3 to the sample to preserve
All containers meet method preservation requirements.		✓		Initial when completed JBH Date/time of preservation 4.21.22 17:45 Lot # of added preservative DL 22-0325
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: JBH Date: 4.21.22 Survey Meter SN: 1563

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.

Pace Analytical®

Pace Greensburg Lab -Sample Container Count

Client

Site 999972

Profile Number 554

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	DW											1																	
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

WO# : 30482775

PM: KLS Due Date: 05/12/22

CLIENT: EUROF_EATON

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserve
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Sr-90
Analyst:	JJY
Date:	5/9/2022
Batch:	66498
Matrix:	DW

Method Blank Assessment	
MB Sample ID	2427633
MB concentration:	0.119
M/B Counting Uncertainty:	0.207
MB MDC:	0.473
MB Numerical Performance Indicator:	1.13
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS66498	**LCSD66498**
Count Date:	5/11/2022	5/11/2022
Spike I.D.:	19-045	19-045
Spike Concentration (pCi/mL):	31.570	31.570
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.5121	0.5055
Target Conc. (pCi/L):	6.165	6.245
Uncertainty (Calculated):	0.030	0.030
Result (pCi/L):	5.43	5.17
LCS/LCSD Counting Uncertainty (pCi/L):	0.612	0.598
Numerical Performance Indicator:	-2.35	-3.52
Percent Recovery:	88.08%	82.78%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	130.00%	130.00%
Lower % Recovery Limits:	65.00%	65.00%

Duplicate Sample Assessment		
Sample I.D.:	LCS66498	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD66498	
Sample Result (pCi/L):	5.43	
Sample Result Counting Uncertainty (pCi/L):	0.612	
Sample Duplicate Result (pCi/L):	5.17	
Sample Duplicate Result Counting Uncertainty (pCi/L):	0.598	
Are sample and/or duplicate results below MDC?	NO	
Duplicate Numerical Performance Indicator:	0.596	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	6.20%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25.00%	

Sample Matrix Spike Control Assessment	
Sample Collection Date:	4/19/2022
Sample I.D.	30484110001
Sample MS I.D.	30484110001MS
Sample MSD I.D.	
Spike I.D.:	19-045
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	31.616
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.5034
MS Target Conc. (pCi/L):	12.562
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L):	
MS Spike Uncertainty (calculated):	0.060
MSD Spike Uncertainty (calculated):	
Sample Result:	-0.125
Sample Result Counting Uncertainty (pCi/L):	0.170
Sample Matrix Spike Result:	11.25
Matrix Spike Result Counting Uncertainty (pCi/L):	0.873
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L):	
MS Numerical Performance Indicator:	-2.610
MSD Numerical Performance Indicator:	
MS Percent Recovery:	90.55%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	N/A
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	
MS/MSD Upper % Recovery Limits:	130.00%
MS/MSD Lower % Recovery Limits:	65.00%

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result Counting Uncertainty (pCi/L):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L):	
Duplicate Numerical Performance Indicator:	
(Based on the MS / MSD Recoveries) MS / MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

5/11/22

SUBCONTRACT ORDER

Pat-Chem Laboratories

22D0397 2206153

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: 22D0397-01	**Water**	**Sampled: 13-Apr-22 06:50**	[redacted]	**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub)	28-Apr-22 12:00	15-Apr-22 06:50		
Sr-90 (Strontium 90) (Sub)	28-Apr-22 12:00	10-Oct-22 06:50		
Radium 226 228 (Sub)	28-Apr-22 12:00	10-Oct-22 06:50		
Perchlorate 314.0 (Sub)	28-Apr-22 12:00	11-May-22 06:50		
Gross beta SUB	28-Apr-22 12:00	10-Oct-22 06:50		
Gross alpha SUB	28-Apr-22 12:00	10-Oct-22 06:50		
Containers Supplied:				

RO 2

APR 14 2022

Released By	Date	Received By	Date
	4/14/22	DA	4/14/22 14:38
Released By	Date	Received By	Date

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Eaton Analytical, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2206153**
Purchase Order:

Sampler(s): Not Available

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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)	Sub Inorganic-Perchlorate 8oz(P)							
1	22D0397-01	04/13/2022	06:50	G	W				1	1						

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

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

Condition Upon Receipt (Attach to COC) SP 2206153

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **2c** /_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Daisy Aguayo** Digitally signed by Daisy Aguayo Title: Sample Receiving Date: 04/19/2022-08:05:33

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2206153
DA0-04/19/2022-08:05:33

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22D0397

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Quarterly
Page 1 of 2

Address: 9297 Research Drive
Sampled by: Carlos Alvarez
P.O. #:

Irvine CA 92618
Report Attention: Ric Vardel / Golan Kfir
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	04/13/22	0650	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 Vials	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			2	547 Glyphosate **(Sub-Out)**	Grab	AQ	Vials Amber	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L P	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G Amber	4°C	

RECEIVED
APR 13 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/13/22	1205
Received by		Jonathan U. (PCL)	4/13/22	1205
Relinquished by		Jonathan V. (PCL)	4/13	1314
Received by				
Relinquished by				
Received in lab by		APR 13 2022		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
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.#: 22D0397

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Quarterly	Page 2 of 2
Address: 9297 Research Drive, Irvine, CA 92618		Sampled by: Carlos 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 EC =
EFF	04/13/22	0650	4	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	
			2	Tritium (Sub-Out)	Grab	AQ	VOA Vials	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	
			1	Asbestos (Sub-Out)	Grab	AQ	1L G	4°C	

RECEIVED
APR 13 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	04/13/22	1205
Received by		Jonathan V. (PCL)	4/13	1205
Relinquished by		Jonathan V. (PCL)	4/13	1314
Received by				
Relinquished by				
Received in lab by		APR 13 2022		1314

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	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

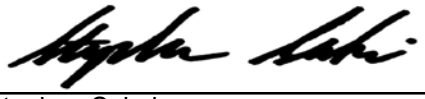
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Oct-22 11:14
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0592-01) Collected: 26-Jul-22 By MA of IPC							
Physical Properties							
Total Alkalinity	SM 2320B	AH20222	1	02-Aug-22	02-Aug-22	**182 mg/l**	
Carbonate Alkalinity	SM 2320B	AH20222	1	02-Aug-22	02-Aug-22	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AH20222	1	02-Aug-22	02-Aug-22	**182 mg/l**	
Hydroxide Alkalinity	SM 2320B	AH20222	1	02-Aug-22	02-Aug-22	**<1 mg/l**	
Color	SM 2120 C	AG22742	5.0	27-Jul-22	27-Jul-22	**18.9 CU**	
Specific Conductance (EC)	SM 2510B	AH20922	0.1	09-Aug-22	10-Aug-22	**1360 uS/cm**	
Odor	SM 2150B	AG22743	1	27-Jul-22	27-Jul-22	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**<0.2 ug/l**	
Aluminum	EPA 200.8	AH20128	5.0	01-Aug-22	02-Aug-22	**48 ug/l**	
Fluoride	EPA 300.0	AH20132	0.10	01-Aug-22	01-Aug-22	**1.35 mg/l**	
Arsenic	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**1.5 ug/l**	
Barium	EPA 200.8	AH20128	0.5	01-Aug-22	02-Aug-22	**39 ug/l**	
Beryllium	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**<0.2 ug/l**	
Calcium	EPA 200.7	AG22726	0.10	27-Jul-22	28-Jul-22	**51.5 mg/l**	
Cadmium	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**3.4 ug/l**	
Copper	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**0.9 ug/l**	
Cyanide (total)	SM 4500-CN-E	AG22907	0.0040	29-Jul-22	29-Jul-22	**0.0030 mg/l**	
Iron	EPA 200.7	AG22726	0.02	27-Jul-22	28-Jul-22	**0.04 mg/l**	
Mercury	EPA 245.1	AG22908	0.20	29-Jul-22	29-Jul-22	**0.49 ug/l**	
Magnesium	EPA 200.7	AG22726	0.10	27-Jul-22	28-Jul-22	**21.2 mg/l**	
Manganese	EPA 200.8	AH20128	0.5	01-Aug-22	02-Aug-22	**31 ug/l**	
Nickel	EPA 200.8	AH20128	0.5	01-Aug-22	02-Aug-22	**5.1 ug/l**	
Lead	EPA 200.8	AH20128	0.2	01-Aug-22	02-Aug-22	**<0.2 ug/l**	
pH	SM 4500H-B	AH20223	0.1	26-Jul-22	26-Jul-22	**7.5 pH Units**	A-01

Respectfully Submitted,



Stephen Sakai 10/11/2022
Lab 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-Oct-22 11:14
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0592-01) Collected: 26-Jul-22 By MA of IPC							
Inorganic Constituents							
Antimony	EPA 200.8	AH20128	1.0	01-Aug-22	02-Aug-22	**1.4 ug/l**	
Selenium	EPA 200.8	AH20128	2.0	01-Aug-22	02-Aug-22	**2.0 ug/l**	
Thallium	EPA 200.8	AH20128	1.0	01-Aug-22	02-Aug-22	**<1.0 ug/l**	
Uranium	EPA 200.8	AH20128	0.7	01-Aug-22	02-Aug-22	**1.4 pCi/L**	
Zinc	EPA 200.8	AH20128	1.0	01-Aug-22	02-Aug-22	**18 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AG22730	0.20	27-Jul-22	27-Jul-22	**0.63 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Styrene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	

Respectfully Submitted,

Stephen Sakai 10/11/2022
Lab 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-Oct-22 11:14
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0592-01) Collected: 26-Jul-22 By MA of IPC							
Volatile Organic Chemicals (VOCs)							
Tetrachloroethylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Toluene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**4.8 ug/l**	
Bromoform	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**<0.5 ug/l**	
Chloroform	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**7.8 ug/l**	
Dibromochloromethane	EPA 524.2	AG22733	0.5	27-Jul-22	27-Jul-22	**1.8 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AG22733		27-Jul-22	27-Jul-22	*94.0 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AG22733		27-Jul-22	27-Jul-22	*110 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AG22733		27-Jul-22	27-Jul-22	*99.7 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AH20140	1.00	01-Aug-22	14-Aug-22	**2.86 ug/l**	
Dichloroacetic Acid	EPA 552.2	AH20140	1.00	01-Aug-22	14-Aug-22	**9.54 ug/l**	
Trichloroacetic Acid	EPA 552.2	AH20140	1.00	01-Aug-22	14-Aug-22	**4.04 ug/l**	
Monobromoacetic Acid	EPA 552.2	AH20140	1.00	01-Aug-22	14-Aug-22	**1.93 ug/l**	
Dibromoacetic Acid	EPA 552.2	AH20140	1.00	01-Aug-22	14-Aug-22	**1.21 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AH20140		01-Aug-22	14-Aug-22	*120 % (60-140)*	
Bromate	EPA 300.1	AH20330	25.0	03-Aug-22	04-Aug-22	**27.3 ug/l**	
Chlorite	EPA 300.1	AH20330	100	03-Aug-22	04-Aug-22	**37.5 ug/l**	

Respectfully Submitted,

Stephen Sakai 10/11/2022
Lab 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-Oct-22 11:14
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0592-01) Collected: 26-Jul-22 By MA of IPC							
Disinfection Byproducts							
Haloacetic Acids (HAA5)	[CALC]	[CALC]	1.00	27-Jul-22	14-Aug-22	**19.6 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	27-Jul-22	27-Jul-22	**14.4 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AH20139	0.030	05-Aug-22	05-Aug-22	**<0.030 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AH20139	0.030	05-Aug-22	05-Aug-22	**<0.030 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AH20513	2.0	05-Aug-22	06-Aug-22	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AH20513	2.0	05-Aug-22	06-Aug-22	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AH20513		05-Aug-22	06-Aug-22	*101 % (50-120)*	
Alachlor	EPA 507	AH20138	0.2	01-Aug-22	04-Aug-22	**<0.2 ug/l**	
Atrazine	EPA 507	AH20138	0.2	01-Aug-22	04-Aug-22	**<0.2 ug/l**	
Molinate	EPA 507	AH20138	0.2	01-Aug-22	04-Aug-22	**<0.2 ug/l**	
Simazine	EPA 507	AH20138	0.2	01-Aug-22	04-Aug-22	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AH20138	0.2	01-Aug-22	04-Aug-22	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AH20138		01-Aug-22	04-Aug-22	*60.8 % (40-120)*	
Chlordane	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Endrin	EPA 508	AG20812	0.01	28-Jul-22	09-Aug-22	**0.02 ug/l**	
Heptachlor	EPA 508	AG20812	0.01	28-Jul-22	09-Aug-22	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AG20812	0.01	28-Jul-22	09-Aug-22	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AG20812	0.01	28-Jul-22	09-Aug-22	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AG20812	0.01	28-Jul-22	09-Aug-22	**0.04 ug/l**	
gamma-BHC (Lindane)	EPA 508	AG20812	0.01	28-Jul-22	09-Aug-22	**<0.01 ug/l**	
Methoxychlor	EPA 508	AG20812	0.05	28-Jul-22	09-Aug-22	**0.08 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	

Respectfully Submitted,

Stephen Sakai 10/11/2022
Lab 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-Oct-22 11:14
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22G0592-01) Collected: 26-Jul-22 By MA of IPC							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1248 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Total PCBs	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Toxaphene	EPA 508	AG20812	0.1	28-Jul-22	09-Aug-22	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AG20812		28-Jul-22	09-Aug-22	*66.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AG20812		28-Jul-22	09-Aug-22	*60.0 % (50-120)*	
Bentazon	EPA 515.1	AH20137	1.0	08-Aug-22	21-Aug-22	**1.1 ug/l**	
2,4-D	EPA 515.1	AH20137	1.0	08-Aug-22	21-Aug-22	**<1.0 ug/l**	
Dalapon	EPA 515.1	AH20137	5.0	08-Aug-22	21-Aug-22	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AH20137	1.0	08-Aug-22	21-Aug-22	**1.9 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AH20137	0.1	08-Aug-22	21-Aug-22	**<0.1 ug/l**	
Picloram	EPA 515.1	AH20137	1.0	08-Aug-22	21-Aug-22	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AH20137	0.2	08-Aug-22	21-Aug-22	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AH20137		08-Aug-22	21-Aug-22	*77.8 % (60-140)*	
Benzo (a) pyrene	EPA 550	AG22806	0.05	28-Jul-22	04-Aug-22	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AG22806		28-Jul-22	04-Aug-22	*105 % (45-120)*	

Respectfully Submitted,



Stephen Sakai 10/11/2022
Lab 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-Oct-22 11:14
Subject: (MCC) Quarterly EFF

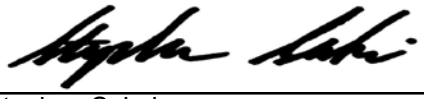
Project/P.O.#: (MCC) Quarterly EFF

Notes and Definitions

A-01 Langelier Index = -3.5 (Serious Corrosion)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 10/11/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22G0592

Customer:	IPC - Integrated Performance Consultants, Inc.	Project: (MCC) EFF - Quarterly	Page 1 of 2
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	7/26/22	10:00	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 Vials	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			2	547 Glyphosate **(Sub-Out)**	Grab	AQ	Vials Amber	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L P Amber	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JUL 26 2022

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/26/22	10:30
Received by		Juan Devis (PCL)	7/26/22	14:11
Relinquished by		Juan Devis (PCL)	7/26/22	17:20
Received by				
Relinquished by				
Received in lab by			JUL 26 2022	17:20

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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.#: 22G0592

Customer:	IPC - Integrated Performance Consultants, Inc.	Project : (MCC) EFF - Quarterly	Page 2 of 2
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 EC =
EFF	7/26/22	10:00	4	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	
			2	Tritium (Sub-Out)	Grab	AQ	VOA Vials	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	
			1	Asbestos (Sub-Out)	Grab	AQ	1L G	4°C	

RECEIVED
JUL 26 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/26/22	10:30
Received by		Juan Devis (PCL)	7/26/22	14:11
Relinquished by		Juan Devis (PCL)	7/26/22	17:28
Received by				
Relinquished by				
Received at lab by		JUL 26 2022		

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	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.

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 322214758
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Berentsen
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 07/27/2022
Analyzed: 08/06/2022

Proj: 22G0592

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
22G0592-01 322214758-0001	7/27/2022 11:20 AM	30	1288	0.2210	≥ 0.5 µm	None Detected	ND	0.19	<0.19	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.19	<0.19	0.00 - 0.72

Collection Date/Time: *07/26/2022 10:00 AM*

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 08/07/2022 07:03:13

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 2H01057

Project: 22G0626

Attn: Stephen Berentsen

Client: Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Report Date: 9/13/2022

Received Date: 8/1/2022

Turnaround Time: Normal

Phones: (818) 639-5300

Fax: (818) 639-5306

P.O. #:

Billing Code:

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 8/01/22 with the Chain-of-Custody document. The samples were received in good condition, at 19.0 °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:

Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
22G0626-01	Client	2H01057-01	Water	07/28/22 08:35	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 8321A in Water			
3-Hydroxycarbofuran	16655-82-6	✓	
Aldicarb	116-06-3	✓	
Aldicarb sulfone	1646-88-4	✓	
Aldicarb sulfoxide	1646-87-3	✓	
Propoxur (Baygon)	114-26-1	✓	
Carbaryl	63-25-2	✓	
Carbofuran	1563-66-2	✓	
Methiocarb	2032-65-7	✓	
Methomyl	16752-77-5	✓	
Oxamyl	23135-22-0	✓	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Sample Results

Sample: 22G0626-01
2H01057-01 (Water)

Sampled: 07/28/22 8:35 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W2H0401 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/04/22 07:22				**Analyst:** pjs
Diquat	ND	4.0	ug/l	1	08/17/22	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W2H0096 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/02/22 08:06				**Analyst:** rmr
Endothall	ND	45	ug/l	1	08/04/22	
Pesticides/Herbicides and Other Organic compounds by LC/MS/MS						
Method: EPA 8321A		**Instr:** LCMS03				
Batch ID: W2H0771 **Preparation:** _NONE (LC)		**Prepared:** 08/09/22 13:37				**Analyst:** pjs
3-Hydroxycarbofuran	ND	0.50	ug/l	1	08/09/22	
Aldicarb	ND	0.50	ug/l	1	08/09/22	
Aldicarb sulfone	ND	0.50	ug/l	1	08/09/22	
Aldicarb sulfoxide	ND	0.50	ug/l	1	08/09/22	
Carbaryl	ND	0.50	ug/l	1	08/09/22	
Carbofuran	ND	0.50	ug/l	1	08/09/22	
Diuron	ND	1.0	ug/l	1	08/09/22	
Methiocarb	ND	0.50	ug/l	1	08/09/22	
Methomyl	ND	0.50	ug/l	1	08/09/22	
Oxamyl	ND	0.50	ug/l	1	08/09/22	
Propoxur (Baygon)	ND	0.50	ug/l	1	08/09/22	

Sample Results

Sample: 22G0626-01
2H01057-01RE1 (Water)

Sampled: 07/28/22 8:35 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W2H0325 **Preparation:** _NONE (LC)		**Prepared:** 08/03/22 12:25				**Analyst:** PJS
Glyphosate	ND	25	ug/l	5	08/04/22	M-05

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Quality Control Results

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0401 - EPA 549.2										
Blank (W2H0401-BLK1)				**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	ND	4.0	ug/l							
LCS (W2H0401-BS1)				**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	14.7	4.0	ug/l	20.0		73	70-130			
Matrix Spike (W2H0401-MS1)	**Source: 2H02052-01**			**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	13.8	4.0	ug/l	20.0	ND	69	46-122			
Matrix Spike Dup (W2H0401-MSD1)	**Source: 2H02052-01**			**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	15.2	4.0	ug/l	20.0	ND	76	46-122	10	30	

Quality Control Results

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0096 - EPA 548.1										
Blank (W2H0096-BLK1)				**Prepared: 08/02/22**	**Analyzed: 08/04/22**					
Endothall	ND	45	ug/l							
LCS (W2H0096-BS1)				**Prepared: 08/02/22**	**Analyzed: 08/04/22**					
Endothall	88.1	45	ug/l	100		88	31-117			
Matrix Spike (W2H0096-MS1)	**Source: 2G29055-01**			**Prepared: 08/02/22**	**Analyzed: 08/04/22**					
Endothall	3.28	45	ug/l	100	ND	3	0.1-109			
Matrix Spike Dup (W2H0096-MSD1)	**Source: 2G29055-01**			**Prepared: 08/02/22**	**Analyzed: 08/04/22**					
Endothall	2.81	45	ug/l	100	ND	3	0.1-109	200	30	R-03

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0325 - EPA 547										
Blank (W2H0325-BLK1)				**Prepared & Analyzed: 08/03/22**						
Glyphosate	ND	5.0	ug/l							
Blank (W2H0325-BLK2)				**Prepared: 08/03/22 Analyzed: 08/04/22**						
Glyphosate	ND	5.0	ug/l							QC-2
LCS (W2H0325-BS1)				**Prepared & Analyzed: 08/03/22**						
Glyphosate	27.7	5.0	ug/l	25.0		111	70-130			
LCS (W2H0325-BS2)				**Prepared: 08/03/22 Analyzed: 08/04/22**						
Glyphosate	28.5	5.0	ug/l	25.0		114	70-130			QC-2
Matrix Spike (W2H0325-MS1)	**Source: 2G27047-01**			**Prepared & Analyzed: 08/03/22**						
Glyphosate	33.1	5.0	ug/l	25.0	3.82	117	41-149			
Matrix Spike (W2H0325-MS2)	**Source: 2G28125-01**			**Prepared & Analyzed: 08/03/22**						
Glyphosate	26.3	5.0	ug/l	25.0	ND	105	41-149			
Matrix Spike Dup (W2H0325-MSD1)	**Source: 2G27047-01**			**Prepared & Analyzed: 08/03/22**						
Glyphosate	34.5	5.0	ug/l	25.0	3.82	123	41-149	4	30	
Matrix Spike Dup (W2H0325-MSD2)	**Source: 2G28125-01**			**Prepared & Analyzed: 08/03/22**						
Glyphosate	29.5	5.0	ug/l	25.0	ND	118	41-149	12	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Quality Control Results

(Continued)

Pesticides/Herbicides and Other Organic compounds by LC/MS/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0771 - EPA 8321A										
Blank (W2H0771-BLK1)				**Prepared & Analyzed: 08/09/22**						
3-Hydroxycarbofuran	ND	0.50	ug/l							
Aldicarb	ND	0.50	ug/l							
Aldicarb sulfone	ND	0.50	ug/l							
Aldicarb sulfoxide	ND	0.50	ug/l							
Carbaryl	ND	0.50	ug/l							
Carbofuran	ND	0.50	ug/l							
Diuron	ND	0.50	ug/l							
Methiocarb	ND	0.50	ug/l							
Methomyl	ND	0.50	ug/l							
Oxamyl	ND	0.50	ug/l							
Propoxur (Baygon)	ND	0.50	ug/l							
LCS (W2H0771-BS1)				**Prepared & Analyzed: 08/09/22**						
3-Hydroxycarbofuran	4.38	0.50	ug/l	5.00		88	80-120			
Aldicarb	4.75	0.50	ug/l	5.00		95	80-120			
Aldicarb sulfone	4.85	0.50	ug/l	5.00		97	80-120			
Aldicarb sulfoxide	4.75	0.50	ug/l	5.00		95	80-120			
Carbaryl	4.93	0.50	ug/l	5.00		99	80-120			
Carbofuran	4.39	0.50	ug/l	5.00		88	80-120			
Diuron	4.65	0.50	ug/l	5.00		93	68-125			
Methiocarb	4.33	0.50	ug/l	5.00		87	80-120			
Methomyl	4.61	0.50	ug/l	5.00		92	80-120			
Oxamyl	4.82	0.50	ug/l	5.00		96	80-120			
Propoxur (Baygon)	4.34	0.50	ug/l	5.00		87	80-120			
Matrix Spike (W2H0771-MS1)	**Source: 2G29055-01**			**Prepared & Analyzed: 08/09/22**						
3-Hydroxycarbofuran	4.61	0.50	ug/l	5.00	ND	92	65-135			
Aldicarb	4.45	0.50	ug/l	5.00	ND	89	65-135			
Aldicarb sulfone	5.25	0.50	ug/l	5.00	ND	105	65-135			
Aldicarb sulfoxide	4.76	0.50	ug/l	5.00	ND	95	65-135			
Carbaryl	4.72	0.50	ug/l	5.00	ND	94	65-135			
Carbofuran	4.25	0.50	ug/l	5.00	ND	85	65-135			
Diuron	4.57	0.50	ug/l	5.00	ND	91	58-160			
Methiocarb	5.04	0.50	ug/l	5.00	ND	101	65-135			
Methomyl	3.95	0.50	ug/l	5.00	ND	79	65-135			
Oxamyl	4.04	0.50	ug/l	5.00	ND	81	65-135			
Propoxur (Baygon)	4.89	0.50	ug/l	5.00	ND	98	65-135			
Matrix Spike Dup (W2H0771-MSD1)	**Source: 2G29055-01**			**Prepared & Analyzed: 08/09/22**						
3-Hydroxycarbofuran	5.58	0.50	ug/l	5.00	ND	112	65-135	19	30	
Aldicarb	4.81	0.50	ug/l	5.00	ND	96	65-135	8	30	
Aldicarb sulfone	5.99	0.50	ug/l	5.00	ND	120	65-135	13	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Quality Control Results

(Continued)

Pesticides/Herbicides and Other Organic compounds by LC/MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0771 - EPA 8321A (Continued)										
Matrix Spike Dup (W2H0771-MSD1)	**Source: 2G29055-01**			**Prepared & Analyzed: 08/09/22**						
Aldicarb sulfoxide	5.34	0.50	ug/l	5.00	ND	107	65-135	11	30	
Carbaryl	5.82	0.50	ug/l	5.00	ND	116	65-135	21	30	
Carbofuran	5.04	0.50	ug/l	5.00	ND	101	65-135	17	30	
Diuron	5.53	0.50	ug/l	5.00	ND	111	58-160	19	30	
Methiocarb	4.94	0.50	ug/l	5.00	ND	99	65-135	2	30	
Methomyl	4.44	0.50	ug/l	5.00	ND	89	65-135	12	30	
Oxamyl	4.87	0.50	ug/l	5.00	ND	97	65-135	19	30	
Propoxur (Baygon)	5.33	0.50	ug/l	5.00	ND	107	65-135	9	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22G0626

Project Manager: Stephen Berentsen

Reported:
09/13/2022 13:43

Notes and Definitions

Item	Definition
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.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
%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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

CERES Analytical Laboratory, Inc.
4919 Windplay Dr Suite 1, El Dorado Hills, CA 95762

August 12, 2022 Ceres ID: 15473

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one waste water sample received on August 1, 2022. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613. Routine turn-around time was provided for this work.

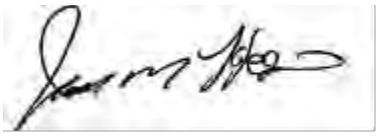
This work was authorized under Pat-Chem Laboratories' Project # 22G0592.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

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
15473-001	22G0592-01	8/1/2022	7/26/2022	10:00

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**		**Date Received:** NA
	QC Batch #: 2678	**Date Extracted:** 8/10/2022
	Matrix: Aqueous	**Date Analyzed:** 8/11/2022
Project ID: 22G0592	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.05	3.12	5.00		13C-2378-TCDD	92.1	31-137	
					CRS			
					37Cl4-2378-TCDD	98.2	35-197	

DL - Signifies Non-Detect (ND<) 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 #: 2678	**Date Extracted:** 8/10/2022
	Matrix: Aqueous	**Date Analyzed:** 8/11/2022
Project ID: 22G0592	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	8.23	7.3-14.6	13C-2378-TCDD	97.2	25-141
			CRS		
			37Cl4-2378-TCDD	103	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: 22G0592-01		
Project ID: 22G0592	**Ceres Sample ID:** 15473-001	**Date Received:** 8/1/2022
	QC Batch #: 2676	**Date Extracted:** 8/10/2022
Date Collected: 7/26/2022	**Matrix:** Aqueous	**Date Analyzed:** 8/11/2022
Time Collected: 10:00	**Sample Size:** 0.960 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.06	0.772	5.21		13C-2378-TCDD	74.0	31-137	
					CRS			
					37Cl4-2378-TCDD	89.6	42-164	

DL - Signifies Non-Detect (ND<) 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

22G0592

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: 22G0592-01	**Water**	**Sampled:26-Jul-22 10:00**		**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Su	10-Aug-22 12:00	02-Aug-22 10:00		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	JUL 27 2022 11:30AM	[signature]	8/1/22 09:57
Released By	Date	Received By	Date

Sample Receipt Check List Logged by: _____(initials)

Ceres ID: 15473		Date/Time: 8/1/22 09:56
Client Project ID: 22G0592		Received Temp: 23.8 °C Acceptable: Y / N
Chain of Custody Relinquished by signed?		Y / N
Chain of Custody Received by signed?		Y / N
Custody Seals?	Present? Intact? NA:	Y / N Y / N NA
Unlabeled / Illegible Samples		Y / N
Proper Containers:		Y / N
Preservation Acceptable (Chemical or Temperature)? Ref upon Receipt		Y / N
Drinking Water, Sodium Thiosulfate present?		Y / N / NA
Residual Cl?		Y / N / NA
Aqueous sample pH: 7		NA

List COC discrepancies:

8/1/22

List Damaged Samples:

8/1/22

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

September 28, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2212141

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 Eberline Analytical

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2022-09-28

Enclosure

FGL ENVIRONMENTAL, INC.

SP 2212141

STANDARD LEVEL IV
REPORT OF ANALYSIS

WORK ORDER #22-08010-OR

September 23, 2022

EBERLINE ANALYTICAL/OAK RIDGE LABORATORY
OAK RIDGE, TN

TABLE OF CONTENTS

SECTION	DESCRIPTION	PAGE
I	Chain of Custody & pH Check	0004
II	Sample Acknowledgement	0008
III	Case Narrative	0011
IV	Analytical Results Summary	0014
V	Analytical Standard	0016
VI	Quality Control Sample Results Summary	0021
VII	Laboratory Technician's Notes	0024
VIII	Analytical Data (Strontium-90)	0028
	Last Page Number	0043

Eberline Services – Oak Ridge Laboratory

LABORATORY DATA SUPPORT CHECKLIST

MP-001-3

Eberline Services Work Order # 22-08010

The checklist items listed below are to be initialed by appropriate staff upon completion/verification.

Date for Partial	Initials	Date	Initials	Checklist Items
		8/3/22		Sample Log-In
		8/19/22		Data Compilation
		8/22/22		First Technical Data Review
		8/22/22		Second Technical Data Review
		9/22/22		Data Entry/Electronic Deliverable
		9/22/22		Case Narrative
		9/22/22		Electronic Deliverable Proof
		9/22/22		Samples Analyzed within Holding Time Yes? ☑ No? ☐
		9/22/22		QA/QC Review
				Client in Possession of Data Electronic or Hard Copy
				Invoiced by Laboratory

Technical/Clerical Corrections, Signatures Needed, Problems, Etc	Date/Initials

Date package approved by: _____ 9/23/22

Laboratory Manager Date

Copy No. _____

SECTION I

CHAIN OF CUSTODY
& pH CHECK

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Eberline Analytical

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2212141**
Purchase Order:

Sampler(s): N/A

Compositor Setup Date: Time:

REC'D AUG 03 2022

22-08010

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Test Description(s): Sub Contracted-Strontium 90 250 ml(AGT)								
1	22G0592-01	07/26/2022	10:00	G	W				1								

4

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
FGL	8/1/22	17:00	UPS					
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
UPS	1	1	Randolph Spencer	8-3-22	1600			

9000

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

EBERLINE SERVICES
Oak Ridge Laboratory

Internal Chain of Custody

Work Order #	22-08010
Lab Deadline	8/24/2022
Analysis	Sr090 - Level 4
Sample Matrix	Water

Comments	Sample Fraction	HP 210 / 270 Detector Activity	Storage Location
	04	40	HH1.4
	05	50	HH1.4
	06	40	HH1.4
	07	30	HH1.4
	08	20	HH1.4
	09	20	HH1.4

	Location (circle one)					Initials	Date
Received by	(Sample Storage)	Rough Prep	Prep	Separations	Count Room	EGtel	8-8-22 / 1400
Relinquished by	Sample Storage	Rough Prep	Prep	(Separations)	Count Room	EGG	8/8/22 1025
Received by	Sample Storage	Rough Prep	Prep	Separations	(Count Room)	KP 8/18/22	1028
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	(Count Room)	KB 8/18/22	1028
Received by	(Sample Storage)	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Received by	Sample Storage	Rough Prep	Prep	Separations	Count Room		
Relinquished by	Sample Storage	Rough Prep	Prep	Separations	Count Room		

EBERLINE SERVICES

Sample Receiving Report
(Volumes, pH, & CPM)

Internal Work Order
22-08010
Received By
RSPENCER

FR	ClientID	# Btls	Comments	Matrix	Storage	Rec Vol Ttl	CPM Max
01	LCS	0		WA	HH1.4		
02	BLANK	0		WA	HH1.4		
03	DUP	0		WA	HH1.4		
04	22G0592-01	1		WA	HH1.4	0.47	40
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	7	0.4700	40
05	AIRPORT NO 2 WELL	1		WA	HH1.4	0.47	50
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	<2	<2	0.4700	50
06	TATE WTP-TREATED	1		WA	HH1.4	0.47	40
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	<2	<2	0.4700	40
07	WELL 38	1		WA	HH1.4	0.47	30
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	<2	<2	0.4700	30
08	WELL 39	1		WA	HH1.4	0.47	20
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	<2	<2	0.4700	20
09	22G0626-01	1		WA	HH1.4	0.47	20
			Container Number	pH Orig	pH Final	Volume (L)	CPM
			1	7	7	0.4700	20

Received by: Randolph Spencer Date: 8-3-22

SECTION II

SAMPLE ACKNOWLEDGEMENT

Client Name	Contract/PO	Project Type	Date Received	Required Turnaround Days	Eberline Services Work Order
Fruit Growers Laboratory, Inc.	SP 2212141	Environmental	08/03/2022	28	22-08010
Project Name	**Client WO**	**Sample Disp**	**Lab Deadline**	**Internal Deadline**	**Client Deadline**
SP 2212141	SP 2212141	W	08/24/2022	08/30/2022	08/31/2022

Internal ID	Client ID	Sample Date	Matrix	Storage	Sr090																							Ttl
01	LCS	08/04/22	WA	HH1.4	X																							1
02	BLANK	08/04/22	WA	HH1.4	X																							1
03	DUP	08/04/22	WA	HH1.4	X																							1
04	22G0592-01	07/26/22 10:00	WA	HH1.4	X																							1
05	AIRPORT NO 2 WELL	07/14/22 09:50	WA	HH1.4	X																							1
06	TATE WTP-TREATED	07/14/22 11:20	WA	HH1.4	X																							1
07	WELL 38	07/13/22 09:40	WA	HH1.4	X																							1
08	WELL 39	07/13/22 11:20	WA	HH1.4	X																							1
09	22G0626-01	07/28/22 08:35	WA	HH1.4	X																							1
																												0
																												0
																												0
																												0
																												0
																												0
																												0
																												0
																												0
																												0
																												0
Totals Per Analysis (non QA samples)					6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

6000

EBERLINE SERVICES

Sample Log In Report

Oak Ridge Laboratory
601 Scarboro Rd.
Oak Ridge, TN 37830

Voice: (865) 481-0683
Fax: (865) 483-4621

Invoice	Accounts Payable FGL Environmental, Inc. 853 Corporation St Santa Paula, CA 93060-3005	**Report Data**	Cindy Aguirre FGL Environmental, Inc. 853 Corporation St Santa Paula, CA 93060-3005
Voice	805-392-2000	*Voice*	805-392-2012
Fax		*Fax*	
Contact	Cindy Aguirre		
Voice	805-392-2012		
Fax			

Eberline Services – Oak Ridge Laboratory

SAMPLE RECEIPT CHECKLIST
MP-001-2

WORK ORDER # 22-08010

SAMPLE MATRIX/MATRICES: (CIRCLE ONE OR BOTH)

(AQUEOUS) NON-AQUEOUS

(CIRCLE EITHER YES, NO, OR N/A)

WERE SAMPLES:

Received in good condition?	(Y)	N	
If aqueous, properly preserved	(Y)	N	N/A

WERE CHAIN OF CUSTODY SEALS:

Present on outside of package?	(Y)	N
Unbroken on outside of package?	(Y)	N
Present on samples?	(Y)	N
Unbroken on samples?	(Y)	N
Was chain of custody present upon sample receipt?	(Y)	N

IF THE RESPONSE TO ANY OF THE ABOVE IS **NO**, A DISCREPANT SAMPLE RECEIPT REPORT (DSR) HAS BEEN ISSUED.

REMARKS: _____

SIGNATURE: Randolph Spencer DATE: 8-3-22

SECTION III

CASE NARRATIVE

EBERLINE ANALYTICAL

EBERLINE ANALYTICAL CORPORATION
601 SCARBORO ROAD
OAK RIDGE, TENNESSEE 37830
PHONE (865) 481-0683
FAX (865) 483-4621

EBS-OR-50154

September 28, 2022

Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St
Santa Paula, CA 93060-3005

CASE NARRATIVE - REVISED
CWB accredited – Lab ID 9257348
Work Order # 22-08010-OR

SAMPLE RECEIPT

This work order contains one water sample received 08/03/2022. Sample was analyzed for Strontium-90.

CLIENT ID	LAB ID
22G0592-01	22-08010-04

ANALYTICAL METHODS

Strontium-90 was analyzed using EPA Method 905.0 Modified.

ANALYTICAL RESULTS

Combined Standard Uncertainty is reported at 1-sigma value.

Minimum Detectable Activity (MDA) values for data represented in this report are sample-specific. MDA measurements are determined based on factors and conditions including instrument settings, aliquot size, and matrix type.

STRONTIUM-90

Sample was prepared by removing a representative aliquot followed by acid digestion as appropriate for the matrix. Digested sample was acidified. Strontium was selectively extracted and precipitated which began the ingrowth time for Yttrium-90. Strontium extractions were acidified, and Strontium-90 (Total Strontium) was selectively separated using crown ethers. After sufficient ingrowth, an elemental Yttrium carrier was added, and Yttrium-90 was selectively precipitated. Yttrium-90 was mounted on filter media. Yttrium-90 yield was determined by gravimetric recovery. Yttrium-90 activity reflects Strontium-90 activity in the sample.

ANALYTICAL RESULTS CONTINUED

STRONTIUM-90 CONTINUED

Sample demonstrated acceptable results for all Strontium-90 analyses. The Strontium-90 method blank demonstrated an acceptable result. Chemical recovery was acceptable for all analyses. Results for the Strontium-90 duplicate demonstrated a high relative percent difference; however, normalized difference is acceptable for this analytical technique. The Strontium-90 laboratory control sample demonstrated an acceptable percent recovery.

CERTIFICATION OF ACCURACY

I certify that this data report complies with the terms and conditions of the Purchase Order, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the cognizant project manager or his/her designee to be accurate as verified by the following signature.

M.R. McDougall
Laboratory Manager

Date: 9/28/2022

Eberline Analytical wants and encourages your feedback regarding our performance providing radioanalytical services. Please visit http://eberlineanalytical.com/ to provide us with feedback on our services.

SECTION IV

ANALYTICAL RESULTS SUMMARY

Eberline Analytical
Final Report of Analysis

Report To:

Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St
Santa Paula, CA 93060-3005

Work Order Details:

SDG:	**22-08010 REVISED**
Purchase Order:	SP 2212141
Analysis Category:	ENVIRONMENTAL
Sample Matrix:	WA

Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
22-08010-01	LCS	KNOWN	08/04/22 00:00	8/3/2022	8/18/2022	22-08010	Strontium-90	EPA 905.0 Modified	4.97E+01	2.78E-01			pCi/l
22-08010-01	LCS	SPIKE	08/04/22 00:00	8/3/2022	8/18/2022	22-08010	Strontium-90	EPA 905.0 Modified	4.11E+01	1.36E+00	5.76E+00	8.28E-01	pCi/l
22-08010-02	MBL	BLANK	08/04/22 00:00	8/3/2022	8/18/2022	22-08010	Strontium-90	EPA 905.0 Modified	2.75E-01	3.40E-01	3.42E-01	6.96E-01	pCi/l
22-08010-03	DUP	22G0592-01	07/26/22 10:00	8/3/2022	8/18/2022	22-08010	Strontium-90	EPA 905.0 Modified	8.41E-01	7.01E-01	7.10E-01	1.41E+00	pCi/l
22-08010-04	DO	22G0592-01	07/26/22 10:00	8/3/2022	8/18/2022	22-08010	Strontium-90	EPA 905.0 Modified	1.92E+00	7.45E-01	7.89E-01	1.35E+00	pCi/l

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (1-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

EBERLINE ANALYTICAL

EBERLINE ANALYTICAL CORPORATION
601 SCARBORO ROAD OAK RIDGE, TN 37830 865/481-0683 FAX 865/483-4621

SECTION V

ANALYTICAL STANDARD

National Institute of Standards & Technology

Certificate

Standard Reference Material 4234A
Strontium-90 Radioactivity Standard

This Standard Reference Material (SRM) consists of radioactive strontium-90 chloride, non-radioactive strontium chloride, non-radioactive yttrium chloride, and hydrochloric acid dissolved in 5 mL of distilled water. The solution is contained in a flame-sealed NIST borosilicate-glass ampoule. The SRM is intended for the calibration of beta-particle counting instruments and for the monitoring of radiochemical procedures.

Radiological Hazard

The SRM ampoule contains strontium-90 with a total activity of approximately 13 MBq. Strontium-90 decays by beta-particle emission to yttrium-90, which also decays by beta-particle emission. None of the beta particles escape from the SRM ampoule. The beta particles emitted from strontium-90 and yttrium-90 produce bremsstrahlung photons with energies up to 2 MeV. Most of these photons escape from the SRM ampoule and can represent a radiation hazard. Approximate unshielded dose rates at several distances (as of the reference time) are given in note [a]*. Appropriate shielding and/or distance should be used to minimize personnel exposure. The SRM should be used only by persons qualified to handle radioactive material.

Chemical Hazard

The SRM ampoule contains hydrochloric acid (HCl) with a concentration of 1 mole per liter of water. The solution is corrosive and represents a health hazard if it comes in contact with eyes or skin. If the ampoule is to be opened to transfer the solution, the recommended procedure is given on page 2. The ampoule should be opened only by persons qualified to handle both radioactive material and strong acid solution.

Storage and Handling

The SRM should be stored and used at a temperature between 5 and 65 °C. The solution in an unopened ampoule should remain stable and homogeneous until at least March 2005.

The ampoule (or any subsequent container) should always be clearly marked as containing radioactive material. If the ampoule is transported it should be packed, marked, labeled, and shipped in accordance with the applicable national, international, and carrier regulations. The solution in the ampoule is a dangerous good (hazardous material) both because of the radioactivity and because of the strong acid.

Preparation

This Standard Reference Material was prepared in the Physics Laboratory, Ionizing Radiation Division, Radioactivity Group, J.M.R. Hutchinson, Group Leader. The overall technical direction and physical measurements leading to certification were provided by L.L. Lucas of the Radioactivity Group and D.B. Golas, Nuclear Energy Institute Research Associate.

The support aspects involved in the preparation, certification, and issuance of this SRM were coordinated through the Standard Reference Materials Program by N.M. Trahey.

Gaithersburg, Maryland 20899
May 1995 (Text only revised November 1997)

Thomas E. Gills, Chief
Standard Reference Materials Program

*Notes and references are on pages 5 and 6.

EBERLINE SERVICES

QUALITY CONTROL PROGRAM

QCP-009

Rev.8; 11/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE SOLUTIONS
PRIMARY DILUTION RECERTIFICATION
QCP 009-1

CURRENT DATE 5/9/22

SOLUTION REFERENCE # NIST 4234A **SOLUTION #** Sr-13

Principal Radionuclide	Half Life, Years	Half Life, Days
^{90}Strontium	2.870E+01	1.048E+04

Radionuclide ^{90}Strontium
Certified Activity µCi
Certified Concentration 6.7405E+01 µCi per gram

Reference Date 3/13/1995 0:00

Ampoule /Solution Gross	9.2400	Weight, Grams
Empty Ampoule	4.1769	Weight, Grams
Solution Net	5.0631	Weight, Grams
Total Activity in Ampoule	341.2803	µCi

Chemical Composition of Standard Solution
$^{90}SrCl_2$ in 1M HCl

Dilution Instructions:

Dilution Solvent Used 1M HCl

Dilute to a volume of 1000.00 **milliliters**

Certified Total Activity of 341.2803 µCi **Which Equals** 7.576E+08 **dpm at the date listed above**

And after dilution the activity of this solution is 7.576E+05 **dpm/ml**

This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: May 5, 2023

Recertified By _____ Date: 5/9/22

Verified & QC Approved By Mananne Mary 5-9-22

EBERLINE SERVICES

QUALITY CONTROL PROGRAM
QCP-009

Rev 8; 11/10/03
Title: **Radioactive Reference Standards Solutions & Records**

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE STANDARD SOLUTIONS
SECONDARY DILUTION RECERTIFICATION

	QCP-009-1-A	**Date**	05/09/22
Solution Reference #	NIST 4234A	**Solution #**	Sr-13a

Principal Radionuclide	**Half Life, Years**	**Half Life, Days**
^{90}Sr	2.878E+01	1.051E+04

Radionuclide of Interest	^{90}Sr	**Reference Date**	3/13/1995 0:00
Parent Solution Conc.	7.58E+05 **dpm/ml**		

Chemical Composition of Standard Solution
$^{90}SrCl_2$ in 1M HCl

Dilution Instructions: **Dilution Solvent Used** 1M HCl

SECONDARY VOLUMETRIC DILUTION

Vol. Parent Solution:	3.5558 **ml**	**Final Activity Concentration:**	2.6939E+03 **dpm/ml**
Total Activity:	2.6939E+06 **dpm**		
Final Volume:	1000.00 **ml**		

NOTES:

This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: May 5, 2023

Recertified By _____ Date: 5/9/22

Verified & QC Approved By: Marianne Day Date: 5-9-22

EBERLINE SERVICES

QUALITY CONTROL PROGRAM
QCP-009

Rev 8; 11/10/03
Title: Radioactive Reference Standards Solutions & Records

EBERLINE SERVICES - OAK RIDGE LABORATORY
RADIOACTIVE REFERENCE STANDARD SOLUTIONS

	QCP-009-1-A	Date	05/09/22
Solution Reference #	NIST 4234A	Solution #	Sr-13b

Principal Radionuclide	Half Life, Years	Half Life, Days
^{90}Sr	2.878E+01	1.051E+04

Radionuclide of Interest	^{90}Sr	Reference Date	1/10/2018 0:00
Parent Solution Conc.	4.36E+05 dpm/ml		

Chemical Composition of Standard Solution
$^{90}SrCl_2$ in 1M HCl

Dilution Instructions: **Dilution Solvent Used** 1M HCl

SECONDARY VOLUMETRIC DILUTION

Vol. Parent Solution:	0.9720	ml
Total Activity:	4.2344E+05	dpm
Final Volume:	990.00	ml

Final Activity Concentration: 427.720 dpm/ml

NOTES:

This activity concentration is based on the original reference date listed above. All activities are corrected to the date and time of analysis by the laboratory data processing software.

Expiration Date: May 5, 2023

Recertified By _____ Date: 5/9/22

Verified & QC Approved By Marianne Mary Date: 5-9-22

SECTION VI

QUALITY CONTROL SAMPLE RESULTS SUMMARY

WO	Analysis	Run	Activity Units	Aliquot Units	Client Name
22-08010	Sr090	1	pCi	l	Fruit Growers Laboratory, Inc.

Laboratory Control Sample

Analyte	LCS Measured	CSU Measured	LCS Expected	Uncert. Expected	Known	Known Error	Result	CSU	Standard ID	Standard ACT (dpm)	Standard Error	Standard Added (g)
SR-90	82.77%	13.99%	100.00%	0.56%	4.97E+01	2.78E-01	4.11E+01	5.76E+00	Sr-13b	3.83E+02	5.60E-01	2.88E-01

Matrix Spike

Analyte	*Normalized Difference*	*MS Actual % Rec*	*Expected MS Result*	*Expected MS Uncert*	*Actual MS Result*	*Actual MS CSU*	*Sample Result*	*Sample CSU*	*Sample Aliquot*	*Standard ID*	*Standard ACT (dpm)*	*Standard Error %*	*Standard Added (g)*

Replicate Sample

Analyte	*Normalized Difference*	*RPD*	*Original Result*	*Original CSU*	*Replicate Result*	*Replicate CSU*
SR-90	1.99	78.08	1.92E+00	7.89E-01	8.41E-01	7.10E-01

QC Summary

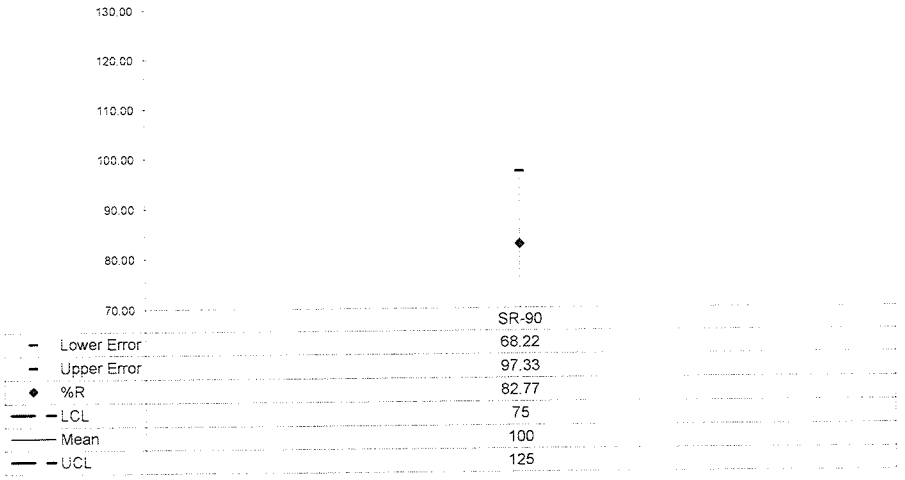
LCS Relative Bias	*LCS % R*	*MS % R*	*MS ND*	*Rep RPD*	*Rep ND*
0.83	OK			NA	OK

0022

Version

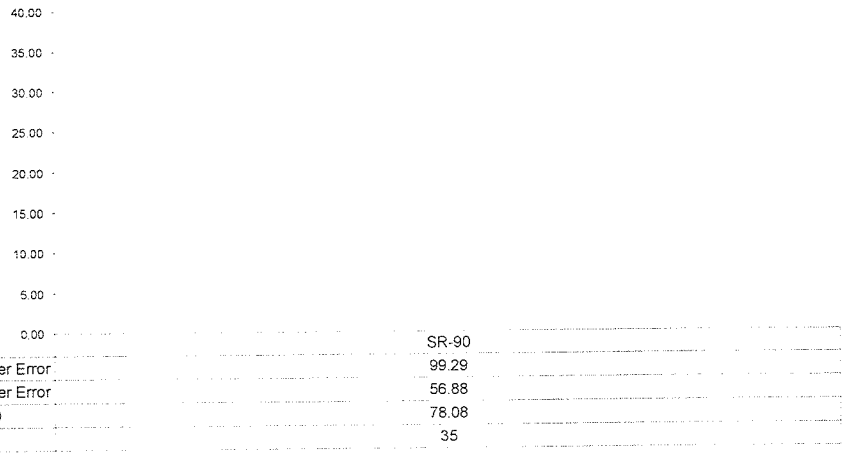
WO	Analysis	Run	Activity Units	Alicuot Units	Client Name
22-08010	Sr090	1	pCi	I	Fruit Growers Laboratory, Inc.

LCS % Recovery



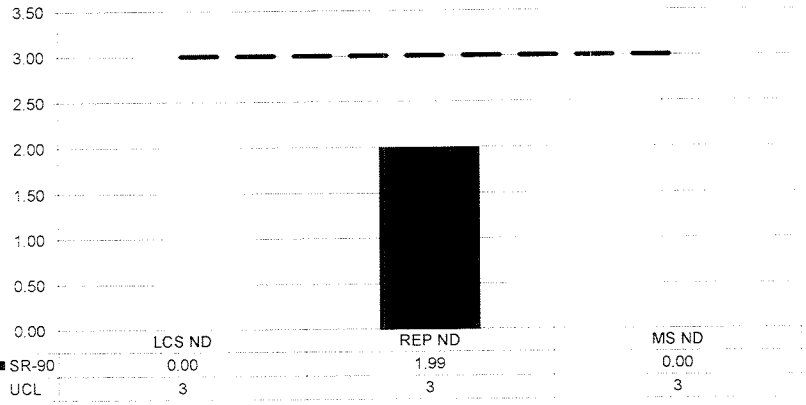
	SR-90
Lower Error	68.22
Upper Error	97.33
%R	82.77
LCL	75
Mean	100
UCL	125

Replicate Sample RPD



	SR-90
Lower Error	99.29
Upper Error	56.88
RPD	78.08
CL	35

Normalized Difference



	LCS ND	REP ND	MS ND
SR-90	0.00	1.99	0.00
UCL	3	3	3

No Matrix Spike

0023

Version

SECTION VII

LABORATORY TECHNICIAN'S NOTES

EBERLINE SERVICES

Work Order Analysis Notes

Oak Ridge Laboratory
601 Scarboro Rd.
Oak Ridge, TN 37830
Voice: 865.481.0683
www.eberlineservices.com

Internal Work Order	22-08010
Analysis Code	Sr090
Run Number	1

#	Date	Dept	User	Notes
1	08/18/22 09:03	PREP	EGETGOOD	Strontium was selectively extracted and then Strontium was selectively precipitated and ingrowth started at this time. After sufficient ingrowth, Yttrium carriers were added and Yttrium-90 was selectively precipitated. The Yttrium-90 and elemental Yttrium was then mounted on filter media, yield was determined by gravimetric Yttrium and then samples were sent to the count room.

8/18/22

EBERLINE SERVICES

Reagents Used in an Analysis

Internal Work Order	
22-08010	
Analysis Code	Run
Sr090	1

Reagent ID	Reagent Name	Reagent Concentration	Analyst ID	Date Recorded
023894D04	Ammonium Oxalate	5%	EGETGOOD	8/18/2022
024041D31	Nitric Acid	1N	EGETGOOD	8/18/2022
024041D32	Nitric Acid	6N	EGETGOOD	8/18/2022
024593S	Sodium Hydroxide	10M	EGETGOOD	8/18/2022
024592S	Sodium Hydroxide	18M	EGETGOOD	8/18/2022
024295S	Yttrium Carrier	9 mg/ml	EGETGOOD	8/18/2022

Aqua LB4110

Date	Sample #	Client	Load Time	Count Time	Analysis	Tech
8/15/22	220800 4SY(1)	UCOR	1012	30 min	Sr^{90}	KP
8/15/22	220800 4SY(2-4)	UCOR	1012	2hrs	Sr^{90}	KP
8/15/22	220800 5SY(1-4)	UCOR	1013	2hrs	Sr^{90}	KP
8/15/22	220803 7AB (1)	USA	1043	30 min	$\alpha\beta$	KP
8/15/22	WHy Filters 8s(12)	Lab	1114	5min	$\alpha\beta$	KP
8/15/22	220804 6AB (1,2)	BR Water Well	1120	2hrs	$\alpha\beta$	KP
8/15/22	220710 1Ra (1-4)	UCOR	1215	2hrs	Ra^{8}	KP
8/15/22	220804 6AB (3,4)	BR Water Well	1216	2hrs	$\alpha\beta$	KP
8/15/22	220802 0AB (1-3)	CalEnergy	1217	2hrs	$\alpha\beta$	KP
8/16/22	Daily Bkgd/QC	Lab	0531/0644	1hr/30min	$\alpha\beta$	KP
8/16/22	Cross Talk	Lab	0918	5min	$\alpha\beta$	KP
8/16/22	Cross Talk	Lab	0726	5min	$\alpha\beta$	KP
8/16/22	220803 7RAC(1-4)	USA	1046	2 hrs	Ra^{8}	KB
8/17/22	Daily Bkgd/QC	Lab	0555/0700	1hr/30min	$\alpha\beta$	KP
8/17/22	Cross Talk	Lab	0730	5min	$\alpha\beta$	KP
8/17/22	Cross Talk	Lab	0743	5min	$\alpha\beta$	KP
8/17/22	220805 7AB(1-4)	UCOR	1044	1 hr	$\alpha\beta$	KB
8/17/22	220803 0RAC(1-4)	Bordas Bordas	1110	2hrs	Ra^{8}	KB
8/17/22	220804 6RA(1-4)	BR Water Well	1148	2hrs	Ra^{8}	KB
8/17/22	220800 4CL(3,5)	UCOR	1426	30 mins	Cl^{36}	KB
8/18/22	Daily Bkgd/QC	Lab	0558/0701	1hr/30min	$\alpha\beta$	KP
8/18/22	Cross Talk	Lab	0734	5min	$\alpha\beta$	KP
8/18/22	Cross Talk	Lab	0746	5min	$\alpha\beta$	KP
8/18/22	220801 0SY(1-9)	Fruit Growers	1025	2hrs	Sr^{90}	KP
8/18/22	220805 5Sr(3,4,6,8)	UCOR	1027	2hrs	Tot Sr	KP

SECTION VIII

ANALYTICAL DATA (STRONTIUM-90)

Work Order	22-08010
Analysis Code	Sr090
Run	1
Date Received	8/3/2022
Lab Deadline	8/24/2022
Client	Fruit Growers Laboratory, Inc.
Project	SP 2212141
Report Level	4
Activity Units	pCi
Aliquot Units	l
Matrix	WA
Method	~~EIChroM SRW01~~ EPA 905.0 Modified
Instrument Type	Alpha/Beta GPC
Radiometric Tracer	
Radiometric Sol#	
Tracer Act (dpm/g)	
Carrier	Yttrium
Carrier Conc (mg/ml)	32.08333

9/27/22

Internal Fraction	Sample Desc	Client ID	Login CPM	Sample Date	Sample Aliquot
01	LCS	LCS		08/04/22 00:00	1.0000E+00
02	MBL	BLANK		08/04/22 00:00	1.0000E+00
03	DUP	22G0592-01	40	07/26/22 10:00	4.7500E-01
04	DO	22G0592-01	40	07/26/22 10:00	4.7500E-01
05	TRG	AIRPORT NO 2 WELL	50	07/14/22 09:50	8.6000E-01
06	TRG	TATE WTP-TREATED	40	07/14/22 11:20	8.3000E-01
07	TRG	WELL 38	30	07/13/22 09:40	8.3500E-01
08	TRG	WELL 39	20	07/13/22 11:20	9.4500E-01
09	TRG	22G0626-01	20	07/28/22 08:35	9.7000E-01

0029

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ^ Indicates estimated SAF value.
** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Internal Fraction	Sample Desc	Tracer Aliquot (g)	Tracer Total ACT (dpm)	Radiometric Tracer (pCi)	Radiometric % Rec	Grav Carrier Added (ml)	Grav Filter Tare (g)	Grav Filter Final (g)	Grav Filter Net (g)	Grav % Rec	Mean % Rec	SAF 1*	SAF 2*
01	LCS				0.00	2.000	0.1462	0.2043	0.0581	90.55	90.55	1.00	1.00
02	MBL				0.00	2.000	0.1452	0.2087	0.0635	98.96	98.96	1.00	1.00
03	DUP				0.00	2.000	0.1463	0.2140	0.0677	105.51	105.51	1.00	1.00
04	DO				0.00	2.000	0.1461	0.2048	0.0587	91.48	91.48	1.00	1.00
05	TRG				0.00	2.000	0.1464	0.2141	0.0677	105.51	105.51	1.00	1.00
06	TRG				0.00	2.000	0.1472	0.2148	0.0676	105.35	105.35	1.00	1.00
07	TRG				0.00	2.000	0.1448	0.2103	0.0655	102.08	102.08	1.00	1.00
08	TRG				0.00	2.000	0.1462	0.2124	0.0662	103.17	103.17	1.00	1.00
09	TRG				0.00	2.000	0.1464	0.2125	0.0661	103.01	103.01	1.00	1.00

0030

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ^ Indicates estimated SAF value.
** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Internal Fraction	Sample Desc	Rough Prep Date	Rough Prep By	Prep Date	Prep By	Sep t0 Date/Time	Sep t0 By	Sep t1 Date/Time	Sep t1 By
01	LCS			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
02	MBL			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
03	DUP			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
04	DO			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
05	TRG			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
06	TRG			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
07	TRG			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
08	TRG			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD
09	TRG			08/18/22 07:18	EGETGOOD	08/08/22 13:48	EGETGOOD	08/18/22 08:02	EGETGOOD

0031

* SAF1 is used for Gross Alpha and all other radionuclides. SAF2 is used for Gross Beta only. ^ Indicates estimated SAF value.
** Actual mass exceeded the calibration curve range. Results should be qualified as appropriate.

Preliminary Data Report & Analytical Calculations

Work Order: 22-08010-Sr090-1

Client: Fruit Growers Laboratory, Inc.

Eberline Services Work Order: 22-08010

Analysis Code: Sr090

Run: 1

Lab Fraction	Nuclide	Sample Desc	Client Identification	Activity Units	Results	Error Estimate	MDA	LCS Known	LCS %R	LCS Flag	RPD Flag	MDA Flag	Blank Flag
01	SR-90	LCS	LCS	pCi/l	4.11E+01	1.36E+00	8.28E-01	4.97E+01	82.77	OK		OK	
02	SR-90	MBL	BLANK	pCi/l	2.75E-01	3.40E-01	6.96E-01					OK	OK
03	SR-90	DUP	22G0592-01	pCi/l	8.41E-01	7.01E-01	1.41E+00				NA	OK	
04	SR-90	DO	22G0592-01	pCi/l	1.92E+00	7.45E-01	1.35E+00					OK	
05	SR-90	TRG	AIRPORT NO 2 WELL	pCi/l	9.78E-01	3.64E-01	6.59E-01					OK	
06	SR-90	TRG	TATE WTP-TREATED	pCi/l	6.51E-01	3.81E-01	7.43E-01					OK	
07	SR-90	TRG	WELL 38	pCi/l	9.23E-01	3.77E-01	6.93E-01					OK	
08	SR-90	TRG	WELL 39	pCi/l	5.66E-01	3.32E-01	6.42E-01					OK	
09	SR-90	TRG	22G0626-01	pCi/l	4.52E-01	3.50E-01	7.00E-01					OK	

Client: Fruit Growers Laboratory, Inc.
Eberline Services Work Order: 22-08010
Analysis Code: Sr090
Run: 1
0033

Lab Fraction	Nuclide	Sample Desc	Sample Date	Sample Aliquot	Radiometric % Rec	Grav % Rec	Mean % Rec	SAF	Sep t0 Date/Time	Sep t1 Date/Time
01	SR-90	LCS	08/04/22 00:00	1.00E+00	0.00	90.55	90.55	1.13	8/8/2022 13:48	8/18/2022 8:02
02	SR-90	MBL	08/04/22 00:00	1.00E+00	0.00	98.96	98.96	1.14	8/8/2022 13:48	8/18/2022 8:02
03	SR-90	DUP	07/26/22 10:00	4.75E-01	0.00	105.51	105.51	1.15	8/8/2022 13:48	8/18/2022 8:02
04	SR-90	DO	07/26/22 10:00	4.75E-01	0.00	91.48	91.48	1.13	8/8/2022 13:48	8/18/2022 8:02
05	SR-90	TRG	07/14/22 09:50	8.60E-01	0.00	105.51	105.51	1.15	8/8/2022 13:48	8/18/2022 8:02
06	SR-90	TRG	07/14/22 11:20	8.30E-01	0.00	105.35	105.35	1.15	8/8/2022 13:48	8/18/2022 8:02
07	SR-90	TRG	07/13/22 09:40	8.35E-01	0.00	102.08	102.08	1.14	8/8/2022 13:48	8/18/2022 8:02
08	SR-90	TRG	07/13/22 11:20	9.45E-01	0.00	103.17	103.17	1.15	8/8/2022 13:48	8/18/2022 8:02
09	SR-90	TRG	07/28/22 08:35	9.70E-01	0.00	103.01	103.01	1.14	8/8/2022 13:48	8/18/2022 8:02

Client: Fruit Growers Laboratory, Inc.
Eberline Services Work Order: 22-08010
Analysis Code: Sr090
Run: 1

Lab Fraction	Nuclide	Sample Desc	Counting Date/Time	Halflife (days)	Detect	Carrier	Count Time	Counts	Bkg CPM	Eff
01	SR-90	LCS	08/18/22 10:25		LB4110A	A1	120	3962	1.383333333	0.48563
02	SR-90	MBL	08/18/22 10:25		LB4110A	A2	120	170	1.183333333	0.496198
03	SR-90	DUP	08/18/22 10:25		LB4110A	A3	120	214	1.4	0.529929
04	SR-90	DO	08/18/22 10:25		LB4110A	C1	120	188	0.85	0.492018
05	SR-90	TRG	08/18/22 10:25		LB4110A	C2	120	206	0.933333333	0.514361
06	SR-90	TRG	08/18/22 10:25		LB4110A	C3	120	221	1.3	0.554655
07	SR-90	TRG	08/18/22 10:25		LB4110A	D1	120	199	0.95	0.522495
08	SR-90	TRG	08/18/22 10:25		LB4110A	D3	120	185	1.05	0.517823
09	SR-90	TRG	08/18/22 10:25		LB4110A	D4	120	229	1.483333333	0.547018

Count Room Report
Client: Fruit Growers Laboratory,

22-08010-Sr090-1 (pCi/l) in WA
Tracer ID:

Internal Fraction	Sample Desc	Client ID	Sample Date	Sample Aliquot	Tracer Aliquot (g)	Tracer ACT (dpm)	Radiometric Tracer (pCi)	Radiometric % Rec	SAF 1*	SAF 2*
01	LCS	LCS	08/04/22 00:00	1.0000				0.00	1.00	1.00
02	MBL	BLANK	08/04/22 00:00	1.0000				0.00	1.00	1.00
03	DUP	22G0592-01	07/26/22 10:00	0.4750				0.00	1.00	1.00
04	DO	22G0592-01	07/26/22 10:00	0.4750				0.00	1.00	1.00
05	TRG	AIRPORT NO 2 WELL	07/14/22 09:50	0.8600				0.00	1.00	1.00
06	TRG	TATE WTP-TREATED	07/14/22 11:20	0.8300				0.00	1.00	1.00
07	TRG	WELL 38	07/13/22 09:40	0.8350				0.00	1.00	1.00
08	TRG	WELL 39	07/13/22 11:20	0.9450				0.00	1.00	1.00
09	TRG	22G0626-01	07/28/22 08:35	0.9700				0.00	1.00	1.00

Spike and Tracer Worksheet

Internal Work Order	Run	Analysis Code	Date	Technician	Technician Initials	Witness Initials
22-08010	1	Sr090	8/18/2022 7:16	EGETGOOD	E.H.	

LCS & Matrix Spikes					LCS	MS	LCSD	MSD	LCS		MS		LCSD		MSD	
Isotope	*Sol #*	*Activity dpm/g*	*Solution Date*	*Approx Addition*	*Volume Used (g)*	*Volume Used (g)*	*Volume Used (g)*	*Volume Used (g)*	*Known pCi*	*Error Estimate*	*Added pCi*	*Error Estimate*	*Known pCi*	*Error Estimate*	*Added pCi*	*Error Estimate*
SR-90	Sr-13b	382.610	8/18/2022	0.290	0.2884				49.70	0.278	0.00	0.000	0.00	0.000	0.00	0.000

Tracers

fraction	*Isotope*	*Sol #*	*Activity dpm/g*	*Solution Date*	*Volume Used (g)*	*Approx Addition*

Balance Printer Tapes

Tracer

LCS

Matrix Spike

0036

Eberline Analytical
Oak Ridge Laboratory

Aliquot Worksheet

Printed: 8/8/2022 1:30 PM

Work Order	Run	Analysis Code	Rpt Units	Lab Deadline	Technician
22-08010	1	Sr090	liters	8/24/2022	EGETGOOD

Lab Fraction	Fruit Growers Laboratory, Inc. Client ID	Sample Type	Muffle Data	Dilution Data			Aliquot Data		MS Aliquot Data		H-3 Solids Only	
			Ratio Post/Pre	No of Dils	Dil Factor	Ratio	Aliquot	Net Equiv	Aliquot	Net Equiv	Water Added (ml)	H3 Dist Aliq
01	LCS	LCS					1.0000E+00	1.0000E+00				
02	BLANK	MBL					1.0000E+00	1.0000E+00				
03	22G0592-01	DUP					4.7500E-01	4.7500E-01				
04	22G0592-01	DO					4.7500E-01	4.7500E-01				
05	AIRPORT NO 2 WELL	TRG					8.6000E-01	8.6000E-01				
06	TATE WTP-TREATED	TRG					8.3000E-01	8.3000E-01				
07	WELL 38	TRG					8.3500E-01	8.3500E-01				
08	WELL 39	TRG					9.4500E-01	9.4500E-01				
09	22G0626-01	TRG					9.7000E-01	9.7000E-01				

Comments	

0037

Technician: _____ Date: 8/8/22

Eberline Services - Oak Ridge
Version 1.0 9/1999

Gravimetric Worksheet

Work Order	Run	Analysis Code	Gravimetric Carrier	Carrier Conc (mg/ml)	Technician
22-08010	1	Sr090	Yttrium	32.0833	EGETGOOD

TRetec Fraction	Fruit Growers Laboratory, Inc. Client ID	Sample Type	Carrier Data Carrier Added (ml)	Filter Data Filter Tare (g)	Filter Final (g)	Filter Net (g)	Gravimetric % Recovery
01	LCS	LCS	2.0000	0.1462	0.2043	0.0581	90.55
02	BLANK	MBL	2.0000	0.1452	0.2087	0.0635	98.96
03	DUP	DUP	2.0000	0.1463	0.2140	0.0677	105.51
04	22G0592-01	DO	2.0000	0.1461	0.2048	0.0587	91.48
05	AIRPORT NO 2 WELL	TRG	2.0000	0.1464	0.2141	0.0677	105.51
06	TATE WTP-TREATED	TRG	2.0000	0.1472	0.2148	0.0676	105.35
07	WELL 38	TRG	2.0000	0.1448	0.2103	0.0655	102.08
08	WELL 39	TRG	2.0000	0.1462	0.2124	0.0662	103.17
09	22G0626-01	TRG	2.0000	0.1464	0.2125	0.0661	103.01

0038

Technician: EGETGOOD Date: 8/18/22

VLD
8/18/22

Detector ID	Sample ID	Alpha	Beta	Count Time	Voltage	TOD
A1	2208010-01Y	64	3962	120	1410	8/18/2022 10:25:26 AM
A2	2208010-02Y	22	170	120	1410	8/18/2022 10:25:26 AM
A3	2208010-03Y	30	214	120	1410	8/18/2022 10:25:26 AM
C1	2208010-04Y	27	188	120	1410	8/18/2022 10:25:26 AM
C2	2208010-05Y	25	206	120	1410	8/18/2022 10:25:26 AM
C3	2208010-06Y	21	221	120	1410	8/18/2022 10:25:27 AM
D1	2208010-07Y	11	199	120	1410	8/18/2022 10:25:27 AM
D3	2208010-08Y	17	185	120	1410	8/18/2022 10:25:27 AM
D4	2208010-09Y	21	229	120	1410	8/18/2022 10:25:27 AM

GPC Detector Report
(ALL Backgrounds)

KP
8/18/22

Detector	Alpha/Beta	Calibration Date	Count Date	Bkg CPM	PFW	LCL	Mean	UCL
LB4110A - A1	Alpha	11/2/2019	8/18/2022	2.00E-01	P	8.39E-03	1.66E-01	3.23E-01
LB4110A - A2	Alpha	11/2/2019	8/18/2022	1.67E-01	P	1.05E-02	1.52E-01	2.94E-01
LB4110A - A3	Alpha	11/2/2019	8/18/2022	1.83E-01	P	1.94E-02	1.64E-01	3.09E-01
LB4110A - A4	Alpha	11/2/2019	8/18/2022	1.67E-01	P	1.61E-02	1.68E-01	3.19E-01
LB4110A - B1	Alpha	11/2/2019	8/18/2022	1.67E-01	P	-2.15E-02	1.41E-01	3.03E-01
LB4110A - B2	Alpha	11/2/2019	8/18/2022	1.33E-01	P	-2.87E-02	1.86E-01	4.00E-01
LB4110A - B3	Alpha	11/2/2019	8/18/2022	1.50E-01	P	1.02E-02	1.65E-01	3.19E-01
LB4110A - B4	Alpha	11/2/2019	8/18/2022	5.00E-02	P	-8.27E-03	1.15E-01	2.38E-01
LB4110A - C1	Alpha	11/2/2019	8/18/2022	6.67E-02	P	-2.67E-02	1.21E-01	2.69E-01
LB4110A - C2	Alpha	11/2/2019	8/18/2022	6.67E-02	P	-1.75E-02	1.11E-01	2.39E-01
LB4110A - C3	Alpha	11/2/2019	8/18/2022	8.33E-02	P	-2.05E-02	8.80E-02	1.97E-01
LB4110A - C4	Alpha	11/2/2019	8/18/2022	1.33E-01	P	3.19E-02	2.19E-01	4.07E-01
LB4110A - D1	Alpha	11/2/2019	8/18/2022	8.33E-02	P	-6.70E-02	7.23E-02	2.12E-01
LB4110A - D2	Alpha	11/2/2019	8/18/2022	1.33E-01	P	-5.01E-02	1.09E-01	2.67E-01
LB4110A - D3	Alpha	11/2/2019	8/18/2022	8.33E-02	P	-7.57E-02	1.28E-01	3.31E-01
LB4110A - D4	Alpha	11/2/2019	8/18/2022	1.33E-01	P	1.03E-02	1.65E-01	3.20E-01
LB4110A - E1	Alpha	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.93E+02	2.53E+04
LB4110A - E2	Alpha	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.93E+02	2.53E+04
LB4110A - E3	Alpha	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.93E+02	2.53E+04
LB4110A - E4	Alpha	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.93E+02	2.53E+04
LB4110A - F1	Alpha	11/2/2019	1/10/2022	0.00E+00	P	-3.26E-02	1.31E-01	2.95E-01
LB4110A - F2	Alpha	11/2/2019	1/10/2022	0.00E+00	P	-3.95E-02	1.19E-01	2.77E-01
LB4110A - F3	Alpha	11/2/2019	1/10/2022	0.00E+00	P	-2.28E-02	1.05E-01	2.34E-01
LB4110A - F4	Alpha	11/2/2019	1/10/2022	0.00E+00	P	-4.44E-02	7.07E-02	1.86E-01
LB4110A - G1	Alpha	11/2/2019	8/18/2022	1.17E-01	P	-1.73E-02	9.16E-02	2.00E-01
LB4110A - G2	Alpha	11/2/2019	8/18/2022	1.67E-01	P	-2.64E-02	9.37E-02	2.14E-01
LB4110A - G3	Alpha	11/2/2019	8/18/2022	1.50E-01	P	-3.48E-02	1.61E-01	3.56E-01
LB4110A - G4	Alpha	11/2/2019	8/18/2022	2.00E-01	P	-2.70E-02	1.07E-01	2.41E-01

GPC Detector Report
(ALL Backgrounds)

Detector	Alpha/Beta	Calibration Date	Count Date	Bkg CPM	PFW	LCL	Mean	UCL
LB4110A - A1	Beta	11/2/2019	8/18/2022	1.38E+00	P	-1.28E+00	1.35E+00	3.98E+00
LB4110A - A2	Beta	11/2/2019	8/18/2022	1.18E+00	P	-1.09E+00	1.61E+00	4.31E+00
LB4110A - A3	Beta	11/2/2019	8/18/2022	1.40E+00	P	-1.05E+00	1.44E+00	3.92E+00
LB4110A - A4	Beta	11/2/2019	8/18/2022	1.17E+00	P	-1.17E+00	1.47E+00	4.11E+00
LB4110A - B1	Beta	11/2/2019	8/18/2022	1.28E+00	P	1.00E+00	1.39E+00	1.78E+00
LB4110A - B2	Beta	11/2/2019	8/18/2022	1.13E+00	P	5.90E-01	1.36E+00	2.12E+00
LB4110A - B3	Beta	11/2/2019	8/18/2022	1.22E+00	P	8.87E-01	1.30E+00	1.72E+00
LB4110A - B4	Beta	11/2/2019	8/18/2022	1.42E+00	P	5.76E-01	1.51E+00	2.44E+00
LB4110A - C1	Beta	11/2/2019	8/18/2022	8.50E-01	P	7.78E-01	1.15E+00	1.53E+00
LB4110A - C2	Beta	11/2/2019	8/18/2022	9.33E-01	P	6.32E-01	1.00E+00	1.37E+00
LB4110A - C3	Beta	11/2/2019	8/18/2022	1.30E+00	P	7.00E-01	1.28E+00	1.87E+00
LB4110A - C4	Beta	11/2/2019	8/18/2022	1.20E+00	P	8.41E-01	1.27E+00	1.69E+00
LB4110A - D1	Beta	11/2/2019	8/18/2022	9.50E-01	P	6.42E-01	1.06E+00	1.47E+00
LB4110A - D2	Beta	11/2/2019	8/18/2022	1.40E+00	P	-1.14E+00	2.26E+00	5.66E+00
LB4110A - D3	Beta	11/2/2019	8/18/2022	1.05E+00	P	6.79E-01	1.11E+00	1.54E+00
LB4110A - D4	Beta	11/2/2019	8/18/2022	1.48E+00	P	1.00E+00	1.46E+00	1.91E+00
LB4110A - E1	Beta	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.94E+02	2.53E+04
LB4110A - E2	Beta	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.94E+02	2.53E+04
LB4110A - E3	Beta	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.94E+02	2.53E+04
LB4110A - E4	Beta	11/2/2017	5/19/2020	1.00E+05	F	-2.35E+04	8.94E+02	2.53E+04
LB4110A - F1	Beta	11/2/2019	1/10/2022	1.67E-02	P	2.10E-01	1.28E+00	2.35E+00
LB4110A - F2	Beta	11/2/2019	1/10/2022	0.00E+00	P	-5.04E-01	1.19E+00	2.88E+00
LB4110A - F3	Beta	11/2/2019	1/10/2022	0.00E+00	P	-2.58E-01	1.18E+00	2.62E+00
LB4110A - F4	Beta	11/2/2019	1/10/2022	0.00E+00	P	-1.30E+00	1.60E+00	4.50E+00
LB4110A - G1	Beta	11/2/2019	8/18/2022	1.35E+00	P	7.55E-01	1.19E+00	1.63E+00
LB4110A - G2	Beta	11/2/2019	8/18/2022	1.63E+00	P	1.11E+00	1.58E+00	2.04E+00
LB4110A - G3	Beta	11/2/2019	8/18/2022	1.32E+00	P	7.72E-01	1.19E+00	1.61E+00
LB4110A - G4	Beta	11/2/2019	8/18/2022	1.28E+00	P	-1.21E-01	1.28E+00	2.69E+00

KP
8/18/22

Eberline Analytical
Oak Ridge Laboratory

GPC Detector Report
(ALL Efficiencies)

Printed: 8/18/2022 7:37 AM

Detector	Alpha/Beta	Calibration Date	Count Date	Eff	PFW	LCL	Mean	UCL
LB4110A - A1	Alpha	11/2/2019	8/18/2022	0.2119	P	0.2042	0.2311	0.2581
LB4110A - A2	Alpha	11/2/2019	8/18/2022	0.1888	P	0.1786	0.2010	0.2233
LB4110A - A3	Alpha	11/2/2019	8/18/2022	0.1822	P	0.1745	0.1960	0.2176
LB4110A - A4	Alpha	11/2/2019	8/18/2022	0.2140	P	0.2004	0.2254	0.2505
LB4110A - B1	Alpha	11/2/2019	8/18/2022	0.2170	P	0.1876	0.2116	0.2356
LB4110A - B2	Alpha	11/2/2019	8/18/2022	0.1858	P	0.1703	0.1957	0.2211
LB4110A - B3	Alpha	11/2/2019	8/18/2022	0.2185	P	0.1990	0.2305	0.2620
LB4110A - B4	Alpha	11/2/2019	8/18/2022	0.2132	P	0.1965	0.2254	0.2542
LB4110A - C1	Alpha	11/2/2019	8/18/2022	0.1833	P	0.1719	0.1961	0.2204
LB4110A - C2	Alpha	11/2/2019	8/18/2022	0.1941	P	0.1739	0.1982	0.2225
LB4110A - C3	Alpha	11/2/2019	8/18/2022	0.2061	P	0.1912	0.2222	0.2533
LB4110A - C4	Alpha	11/2/2019	8/18/2022	0.1912	P	0.1778	0.2080	0.2382
LB4110A - D1	Alpha	11/2/2019	8/18/2022	0.1921	P	0.1737	0.1963	0.2189
LB4110A - D2	Alpha	11/2/2019	8/18/2022	0.2171	P	0.2055	0.2330	0.2605
LB4110A - D3	Alpha	11/2/2019	8/18/2022	0.2308	P	0.2134	0.2397	0.2659
LB4110A - D4	Alpha	11/2/2019	8/18/2022	0.1749	P	0.1619	0.1830	0.2042
LB4110A - E1	Alpha	11/2/2017	5/19/2020	0.2075	P	0.1686	0.2257	0.2828
LB4110A - E2	Alpha	11/2/2017	5/19/2020	0.1778	P	0.1514	0.2049	0.2583
LB4110A - E3	Alpha	11/2/2017	5/19/2020	0.2234	P	0.1549	0.2076	0.2604
LB4110A - E4	Alpha	11/2/2017	5/19/2020	0.2155	P	0.1746	0.2353	0.2961
LB4110A - F1	Alpha	11/2/2019	1/10/2022	0.0000	F	0.1419	0.2082	0.2746
LB4110A - F2	Alpha	11/2/2019	1/10/2022	0.0000	F	0.1190	0.1738	0.2286
LB4110A - F3	Alpha	11/2/2019	1/10/2022	0.0000	F	0.1494	0.2173	0.2853
LB4110A - F4	Alpha	11/2/2019	1/10/2022	0.0000	F	0.1457	0.2123	0.2788
LB4110A - G1	Alpha	11/2/2019	8/18/2022	0.1883	P	0.1768	0.1872	0.1976
LB4110A - G2	Alpha	11/2/2019	8/18/2022	0.1857	P	0.1731	0.1835	0.1938
LB4110A - G3	Alpha	11/2/2019	8/18/2022	0.2042	P	0.2010	0.2140	0.2269
LB4110A - G4	Alpha	11/2/2019	8/18/2022	0.1834	P	0.1656	0.1834	0.2012

KP 8/18/22

KP 8/18/22 out of service

Eberline Analytical
Oak Ridge Laboratory

GPC Detector Report
(ALL Efficiencies)

Printed: 8/18/2022 7:37 AM

Detector	Alpha/Beta	Calibration Date	Count Date	Eff	PFW	LCL	Mean	UCL
LB4110A - A1	Beta	11/2/2019	8/18/2022	0.5155	P	0.4933	0.5612	0.6291
LB4110A - A2	Beta	11/2/2019	8/18/2022	0.4443	P	0.3982	0.4440	0.4897
LB4110A - A3	Beta	11/2/2019	8/18/2022	0.4550	P	0.4249	0.4783	0.5316
LB4110A - A4	Beta	11/2/2019	8/18/2022	0.5085	P	0.4886	0.5530	0.6173
LB4110A - B1	Beta	11/2/2019	8/18/2022	0.4917	P	0.4383	0.4948	0.5512
LB4110A - B2	Beta	11/2/2019	8/18/2022	0.4272	P	0.3867	0.4785	0.5702
LB4110A - B3	Beta	11/2/2019	8/18/2022	0.5324	P	0.4872	0.5735	0.6598
LB4110A - B4	Beta	11/2/2019	8/18/2022	0.5087	P	0.4660	0.5516	0.6373
LB4110A - C1	Beta	11/2/2019	8/18/2022	0.4412	P	0.4128	0.4718	0.5308
LB4110A - C2	Beta	11/2/2019	8/18/2022	0.4477	P	0.4156	0.4743	0.5331
LB4110A - C3	Beta	11/2/2019	8/18/2022	0.5178	P	0.4865	0.5633	0.6401
LB4110A - C4	Beta	11/2/2019	8/18/2022	0.4693	P	0.4391	0.5089	0.5788
LB4110A - D1	Beta	11/2/2019	8/18/2022	0.5388	P	0.5061	0.5734	0.6408
LB4110A - D2	Beta	11/2/2019	8/18/2022	0.5474	P	0.5193	0.5887	0.6581
LB4110A - D3	Beta	11/2/2019	8/18/2022	0.5717	P	0.5343	0.5996	0.6650
LB4110A - D4	Beta	11/2/2019	8/18/2022	0.4682	P	0.4289	0.4807	0.5325
LB4110A - E1	Beta	11/2/2017	5/19/2020	0.5360	P	0.4167	0.5408	0.6649
LB4110A - E2	Beta	11/2/2017	5/19/2020	0.4520	P	0.3728	0.4910	0.6092
LB4110A - E3	Beta	11/2/2017	5/19/2020	0.5775	P	0.3848	0.5001	0.6154
LB4110A - E4	Beta	11/2/2017	5/19/2020	0.5466	P	0.4532	0.5887	0.7241
LB4110A - F1	Beta	11/2/2019	1/10/2022	0.0044	F	0.3744	0.5247	0.6751
LB4110A - F2	Beta	11/2/2019	1/10/2022	0.0009	F	0.3099	0.4365	0.5632
LB4110A - F3	Beta	11/2/2019	1/10/2022	0.0002	F	0.4027	0.5661	0.7294
LB4110A - F4	Beta	11/2/2019	1/10/2022	0.0003	F	0.3883	0.5461	0.7040
LB4110A - G1	Beta	11/2/2019	8/18/2022	0.4374	P	0.4202	0.4439	0.4676
LB4110A - G2	Beta	11/2/2019	8/18/2022	0.4298	P	0.4082	0.4341	0.4600
LB4110A - G3	Beta	11/2/2019	8/18/2022	0.5013	P	0.4869	0.5159	0.5449
LB4110A - G4	Beta	11/2/2019	8/18/2022	0.4350	P	0.3993	0.4395	0.4798

KP 8/18/22

KP 8/18/22 out of service

October 10, 2022

Lab No. : SP 2212141
Customer No. : 2012670

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 5 pages divided into 3 sections:

Case Narrative	(1 page)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(2 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab No.	Matrix
22G0592-01	07/26/2022	07/27/2022	SP 2212141-001	W

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 314.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 900.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 903.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 906.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA RA-05	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: GMA

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-10-10

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

October 10, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22G0592-01
Project : Pat-Chem Laboratories 22G0592

Lab No. : SP 2212141-001
Customer No. : 2012670

Sampled On : July 26, 2022 at 10:00
Sampled By : N/A
Received On : July 27, 2022 at 14:30
Matrix : Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Wet Chemistry							Date	Time	Who	Method	Date	Time	Who
Perchlorate	ND	2	ug/L		1	U	08/04/2022	19:00	sbl	EPA 314.0	08/04/2022	22:48	sbl

ND=Non-Detected, RL=Reporting 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

October 10, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22G0592-01
Project : Pat-Chem Laboratories 22G0592

Lab No. : SP 2212141-001
Customer No. : 2012670

Sampled On : July 26, 2022 at 10:00
Sampled By : N/A
Received On : July 27, 2022 at 14:30
Matrix : Water

Sample Results - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis			
Radio Chemistry						Date	Time	Who	Method	Date	Time	Who
Gross Alpha	2.46 ± 1.80	2.71	pCi/L	15/5		09/09/2022	06:15	ejc	EPA 900.0	09/26/2022	08:27	amr
Gross Beta	10.3 ± 1.53	1.61	pCi/L		H	09/09/2022	06:15	ejc	EPA 900.0	09/26/2022	08:27	amr
Total Alpha Radium (226)	0.000 ± 0.177	0.410	pCi/L		H	08/14/2022	12:00	emv	EPA 903.0	08/16/2022	14:21	amr
Tritium	295 ± 276	434	pCi/L			10/07/2022	08:00	amr	EPA 906.0	10/07/2022	17:37	amr
Ra 228	0.781 ± 0.968	0.643	pCi/L			08/12/2022	18:00	emv	EPA RA-05	08/14/2022	12:30	emv

DQF Flags Definition:
U Constituent results were non-detect.
H The preparation QC spike and/or CCV recoveries did not meet QC acceptance criteria.

ND=Non-Detected, RL=Reporting Level

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

October 10, 2022

Pat-Chem Laboratories

Lab No. : SP 2212141
Customer No. : 2012670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Gross Alpha	900.0	09/09/2022:210236EJC	Blank	pCi/L		ND	<3	
			LCS	pCi/L	10.40	100 %	50-135	
			BS	pCi/L	201.1	105 %	60-140	
			BSD	pCi/L	201.1	95.4 %	60-140	
			BSRPD	pCi/L	201.1	9.9%	≤30	
Gross Beta	900.0	09/09/2022:210236EJC	Blank	pCi/L		ND	<4	
			BS	pCi/L	34.44	180 %	80-130	436
			BSD	pCi/L	34.44	195 %	80-130	436
			BSRPD	pCi/L	201.1	7.8%	≤30	
			LCS	pCi/L	21.94	91.7 %	60-126	
			LCS	pCi/L	21.94	87.0 %	60-126	
Total Radium	903.0	08/14/2022:208893EMV	RgBlk	pCi/L		0.13184	0.40957	
			LCS	pCi/L	24.37	115%	52-107	
			BS	pCi/L	24.37	103%	43-111	
			BSD	pCi/L	24.37	105%	43-111	
			BSRPD	pCi/L	24.37	1.5%	≤35.5	
Tritium	906.0	10/07/2022:211444AMR	Blank	pCi/L		ND	<433.74	
			LCS	pCi/L	1460	90.0%	75-125	
			MS	pCi/L	1460	96.0%	75-125	
		(SP 2212141-001)	MSD	pCi/L	1460	102%	75-125	
			MSRPD	pCi/L	1460	5.4%	≤25	
Radium - 228	Ra - 05	08/12/2022:208650EMV	RgBlk	pCi/L		-0.20	3	
			LRS	pCi/L	12.42	70.3 %	65-108	
			BS	pCi/L	12.42	79.4 %	75-125	
			BSD	pCi/L	12.42	94.6 %	75-125	
			BSRPD	pCi/L	12.42	1.9	≤3	

Definition

Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
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.
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.
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 analyted. 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.
RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

Explanation

436 : Blank Spike (BS) not within Acceptance Range (AR). 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

October 10, 2022

Pat-Chem Laboratories

Lab No. : SP 2212141
Customer No. : 2012670

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	08/04/2022:208822SBL	RgBlk	ug/L		0.00	2	436
			LCS	ug/L	25.00	108 %	85-115	
			MS	ug/L	25.00	85.6 %	80-120	
		(VI 2245678-001)	MSD	ug/L	25.00	85.1 %	80-120	
			MSRPD	ug/L	25.00	0.6%	≤15	

Definition

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 analyted. 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.

RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

Explanation

436 : Blank Spike (BS) not within Acceptance Range (AR). Data was accepted based on the LCS or CCV recovery.

Page 5 of 5

SUBCONTRACT ORDER

Pat-Chem Laboratories

22G0592 2212141

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: 22G0592-01	**Water**	**Sampled:26-Jul-22 10:00**		**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub)	10-Aug-22 12:00	28-Jul-22 10:00		
Sr-90 (Strontium 90) (Sub)	10-Aug-22 12:00	22-Jan-23 10:00		
Radium 226 228 (Sub)	10-Aug-22 12:00	22-Jan-23 10:00		
Perchlorate 314.0 (Sub)	10-Aug-22 12:00	23-Aug-22 10:00		
Gross beta SUB	10-Aug-22 12:00	22-Jan-23 10:00		
Gross alpha SUB	10-Aug-22 12:00	22-Jan-23 10:00		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	JUL 27 2022 7:30AM		
[signature]	7/27/22 14:30	[signature]	7/27/22 14:30
Released By	Date	Received By	Date

ROI 4

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Eberline Analytical

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2212141**
Purchase Order:

Sampler(s): N/A

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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	22G0592-01	07/26/2022	10:00	G	W				1								

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

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

Condition Upon Receipt (Attach to COC) SP 2212141

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **4C** / _____ / _____ / _____ / _____ / _____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**	
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 07/27/2022-16:05:24

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2212141
MDC-07/27/2022-16:05:24

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jan-23 23:19
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0124-01) Collected: 03-Nov-22 By MA of IPC							
Physical Properties							
Total Alkalinity	SM 2320B	AK20405	1	04-Nov-22	04-Nov-22	**202 mg/l**	
Carbonate Alkalinity	SM 2320B	AK20405	1	04-Nov-22	04-Nov-22	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AK20405	1	04-Nov-22	04-Nov-22	**202 mg/l**	
Hydroxide Alkalinity	SM 2320B	AK20405	1	04-Nov-22	04-Nov-22	**<1 mg/l**	
Color	SM 2120 C	AK20423	5.0	04-Nov-22	04-Nov-22	**25.9 CU**	
Specific Conductance (EC)	SM 2510B	AK21107	0.1	11-Nov-22	11-Nov-22	**1580 uS/cm**	
Odor	SM 2150B	AK20419	1	04-Nov-22	04-Nov-22	**<1 T.O.N.**	
Temperature	SM 2550	AK20734		03-Nov-22	03-Nov-22	**65 °F**	
Inorganic Constituents							
Silver	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**<0.2 ug/l**	
Aluminum	EPA 200.8	AK20410	5.0	04-Nov-22	10-Nov-22	**53 ug/l**	
Fluoride	EPA 300.0	AK20830	0.50	08-Nov-22	11-Nov-22	**1.42 mg/l**	
Arsenic	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**0.8 ug/l**	
Barium	EPA 200.8	AK20410	0.5	04-Nov-22	10-Nov-22	**59 ug/l**	
Beryllium	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**<0.2 ug/l**	
Calcium	EPA 200.7	AK20409	0.10	04-Nov-22	07-Nov-22	**69.4 mg/l**	
Cadmium	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**4.1 ug/l**	
Copper	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**1.0 ug/l**	
Cyanide (total)	SM 4500-CN-E	AK21116	0.010	11-Nov-22	11-Nov-22	**<0.010 mg/l**	
Iron	EPA 200.7	AK20409	0.02	04-Nov-22	07-Nov-22	**0.04 mg/l**	
Mercury	EPA 245.1	AK20514	0.50	05-Nov-22	05-Nov-22	**<0.50 ug/l**	
Magnesium	EPA 200.7	AK20409	0.10	04-Nov-22	07-Nov-22	**28.5 mg/l**	
Manganese	EPA 200.8	AK20410	0.5	04-Nov-22	10-Nov-22	**7.5 ug/l**	
Nickel	EPA 200.8	AK20410	0.5	04-Nov-22	10-Nov-22	**4.9 ug/l**	
Lead	EPA 200.8	AK20410	0.2	04-Nov-22	10-Nov-22	**0.2 ug/l**	

Respectfully Submitted,

Stephen Sakai 1/3/2023
Lab 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-Jan-23 23:19
Subject: (MCC) Quarterly EFF

Project/P.O.#: (MCC) Quarterly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22K0124-01) Collected: 03-Nov-22 By MA of IPC							
Inorganic Constituents							
pH	SM 4500H-B	AK20734	0.1	03-Nov-22	03-Nov-22	**7.8 pH Units**	A-01
Antimony	EPA 200.8	AK20410	1.0	04-Nov-22	10-Nov-22	**1.6 ug/l**	
Selenium	EPA 200.8	AK20410	2.0	04-Nov-22	10-Nov-22	**<2.0 ug/l**	
Thallium	EPA 200.8	AK20410	1.0	04-Nov-22	10-Nov-22	**<1.0 ug/l**	
Uranium	EPA 200.8	AK20410	0.7	04-Nov-22	10-Nov-22	**1.9 pCi/L**	
Zinc	EPA 200.8	AK20410	1.0	04-Nov-22	10-Nov-22	**23 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK20415	0.20	04-Nov-22	04-Nov-22	**0.57 mg/l**	
Disinfection Byproducts							
Bromate	EPA 300.1	AK20820	10.0	08-Nov-22	10-Nov-22	**<10.0 ug/l**	
Surrogate: Dichloroacetate	EPA 300.1	AK20820		08-Nov-22	10-Nov-22		
Chlorite	EPA 300.1	AK20820	20.0	08-Nov-22	10-Nov-22	**26.9 ug/l**	
Surrogate: Dichloroacetate	EPA 300.1	AK20820		08-Nov-22	10-Nov-22		

Notes and Definitions

A-01 Langelier Index = -0.20 (Slightly Corrosive)

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/3/2023
Lab Director

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 322222219
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Berentsen
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 11/04/2022
Analyzed: 11/12/2022

Proj: 22K0124

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
								MFL (million fibers per liter)		
22K0124-01 322222219-0001	11/4/2022 02:55 PM	30	1288	0.2193	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.72

Collection Date/Time: *11/03/2022 11:15 AM*

Analyst(s)
Sherrie Ahmad (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 11/17/2022 06:44:31

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 2K04024

Project: 22K0124

Attn: Stephen Berentsen

Client: Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Report Date: 12/09/2022

Received Date: 11/4/2022

Turnaround Time: Normal

Phones: (818) 639-5300

Fax: (818) 639-5306

P.O. #:

Billing Code:

DoD-ELAP ANAB #ADE-2882 ● DoD-ISO ANAB # ● ELAP-CA #1132 ● EPA-UCMR #CA00211 ● HW-DOH #4047 ● ISO17025 ANAB #L2457.01 ● LACSD #10143 ● NELAP-OR #4047

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 11/04/22 with the Chain-of-Custody document. The samples were received in good condition, at 5.8 °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:

Tiffany T. Felix For Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Case Narrative

Per Theresa, proceed and qualify with analysis if samples are recevied out of compliance.

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
22K0124-01	Client	2K04024-01	Water	11/03/22 11:15	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 8321A in Water			
3-Hydroxycarbofuran	16655-82-6	✓	
Aldicarb	116-06-3	✓	
Aldicarb sulfone	1646-88-4	✓	
Aldicarb sulfoxide	1646-87-3	✓	
Propoxur (Baygon)	114-26-1	✓	
Carbaryl	63-25-2	✓	
Carbofuran	1563-66-2	✓	
Methiocarb	2032-65-7	✓	
Methomyl	16752-77-5	✓	
Oxamyl	23135-22-0	✓	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported: 12/09/2022 16:10

Sample Results

Sample: 22K0124-01 — Sampled: 11/03/22 11:15 by Client

2K04024-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Acids Herbicides by GC/ECD						
Method: EPA 515.4		**Instr:** GC08				
Batch ID: W2K0842 **Preparation:** EPA 515.4/Micro Ext. Drtz		**Prepared:** 11/10/22 08:34				**Analyst:** rjg
2,4,5-T	ND	0.20	ug/l	1	11/16/22	U-01
2,4,5-TP (Silvex)	ND	0.20	ug/l	1	11/16/22	U-01
2,4-D	ND	0.40	ug/l	1	11/16/22	U-01
2,4-DB	ND	2.0	ug/l	1	11/16/22	U-01
3,5-Dichlorobenzoic acid	ND	1.0	ug/l	1	11/16/22	U-01
Acifluorfen	ND	0.40	ug/l	1	11/16/22	U-01
Bentazon	ND	2.0	ug/l	1	11/16/22	U-01
Dalapon	ND	0.40	ug/l	1	11/16/22	U-01
DCPA	ND	0.10	ug/l	1	11/16/22	U-01
Dicamba	ND	0.60	ug/l	1	11/16/22	U-01
Dichloroprop	ND	0.30	ug/l	1	11/16/22	U-01
Dinoseb	ND	0.40	ug/l	1	11/16/22	U-01
Pentachlorophenol	ND	0.20	ug/l	1	11/16/22	U-01
Picloram	ND	0.60	ug/l	1	11/16/22	U-01
Surrogate(s)						
2,4-DCAA	*103%*	*Conc: 10.3*	*70-130*		*11/16/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD						
Method: EPA 508.1		**Instr:** GC08				
Batch ID: W2K1072 **Preparation:** EPA 508.1/SPE		**Prepared:** 11/14/22 07:10				**Analyst:** rjg
4,4´-DDD	ND	0.050	ug/l	5	11/19/22	M-04, U-01
4,4´-DDE	ND	0.050	ug/l	5	11/19/22	M-04, U-01
4,4´-DDT	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Aldrin	ND	0.050	ug/l	5	11/19/22	M-04, U-01
alpha-BHC	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Aroclor 1016	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Aroclor 1221	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Aroclor 1232	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Aroclor 1242	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Aroclor 1248	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Aroclor 1254	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Aroclor 1260	ND	0.50	ug/l	5	11/19/22	M-04, U-01
beta-BHC	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Chlordane (tech)	ND	0.50	ug/l	5	11/19/22	M-04, U-01
Chlorothalonil	ND	0.25	ug/l	5	11/19/22	M-04, U-01
delta-BHC	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Dieldrin	ND	0.050	ug/l	5	11/19/22	M-04, U-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported: 12/09/2022 16:10

Sample Results

(Continued)

Sample: 22K0124-01

Sampled: 11/03/22 11:15 by Client

2K04024-01 (Water)

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)						
Method: EPA 508.1		**Instr:** GC08				
Batch ID: W2K1072 **Preparation:** EPA 508.1/SPE		**Prepared:** 11/14/22 07:10				**Analyst:** rjg
Endosulfan I	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Endosulfan II	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Endosulfan sulfate	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Endrin	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Endrin aldehyde	ND	0.050	ug/l	5	11/19/22	M-04, U-01
gamma-BHC (Lindane)	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Heptachlor	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Heptachlor epoxide	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Hexachlorobenzene	ND	0.25	ug/l	5	11/19/22	M-04, U-01
Hexachlorocyclopentadiene	ND	0.25	ug/l	5	11/19/22	M-04, U-01
Methoxychlor	ND	0.050	ug/l	5	11/19/22	M-04, U-01
PCBs, Total	ND	2.5	ug/l	5	11/19/22	M-04, U-01
Propachlor	ND	0.25	ug/l	5	11/19/22	M-04, U-01
Toxaphene	ND	5.0	ug/l	5	11/19/22	M-04, U-01
Trifluralin	ND	0.050	ug/l	5	11/19/22	M-04, U-01
Surrogate(s)						
4,4-Dibromobiphenyl	*102%*	*Conc: 0.103* *70-130*			*11/19/22*	
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W2K0530 **Preparation:** EPA 549.2/SPE		**Prepared:** 11/08/22 06:52				**Analyst:** pjs
Diquat	ND	4.0	ug/l	1	11/28/22	
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W2K0453 **Preparation:** EPA 548.1/SPE		**Prepared:** 11/07/22 09:04				**Analyst:** rmr
Endothall	ND	45	ug/l	1	11/15/22	
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W2K0485 **Preparation:** _NONE (LC)		**Prepared:** 11/07/22 11:30				**Analyst:** PJS
Glyphosate	ND	5.0	ug/l	1	11/07/22	
Haloacetic Acids (HAAs) by GC/ECD						
Method: EPA 552.3		**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]		**Prepared:** 11/11/22 08:01				**Analyst:** ecs
HAA5, Total	**14**	1.0	ug/l	1	11/15/22	
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W2K0933 **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 11/11/22 08:01				**Analyst:** ecs
Bromochloroacetic acid (bcaa)	**2.6**	1.0	ug/l	1	11/15/22	U-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported: 12/09/2022 16:10

Sample Results

(Continued)

Sample: 22K0124-01 — Sampled: 11/03/22 11:15 by Client

2K04024-01 (Water) (Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Haloacetic Acids (HAAs) by GC/ECD (Continued)						
Method: EPA 552.3		**Instr:** GC05				
Batch ID: W2K0933 — **Preparation:** EPA 552.3/Micro Ext. Drtz		**Prepared:** 11/11/22 08:01				**Analyst:** ecs
Bromodichloroacetic acid (bdcaa)	**1.7**	1.0	ug/l	1	11/15/22	U-01
Chlorodibromoacetic acid (cdbaa)	ND	1.0	ug/l	1	11/15/22	U-01
Dibromoacetic acid (dbaa)	ND	1.0	ug/l	1	11/15/22	U-01
Dichloroacetic acid (dcaa)	**9.3**	1.0	ug/l	1	11/15/22	U-01
Monobromoacetic acid (mbaa)	ND	1.0	ug/l	1	11/15/22	U-01
Monochloroacetic acid (mcaa)	ND	2.0	ug/l	1	11/15/22	U-01
Tribromoacetic acid (tbaa)	ND	2.0	ug/l	1	11/15/22	U-01
Trichloroacetic acid (tcaa)	**5.1**	1.0	ug/l	1	11/15/22	U-01
Surrogate(s)						
2-Bromobutyric acid	*97%*	*Conc: 9.71*	*70-130*		*11/15/22*	
Pesticides/Herbicides and Other Organic compounds by LC/MS/MS						
Method: EPA 8321A		**Instr:** LCMS03				
Batch ID: W2K1117 — **Preparation:** _NONE (LC)		**Prepared:** 11/14/22 11:39				**Analyst:** pjs
3-Hydroxycarbofuran	ND	0.50	ug/l	1	11/14/22	
Aldicarb	ND	0.50	ug/l	1	11/14/22	
Aldicarb sulfone	ND	0.50	ug/l	1	11/14/22	
Aldicarb sulfoxide	ND	0.50	ug/l	1	11/14/22	
Carbaryl	ND	0.50	ug/l	1	11/14/22	
Carbofuran	ND	0.50	ug/l	1	11/14/22	
Diuron	ND	1.0	ug/l	1	11/14/22	
Methiocarb	ND	0.50	ug/l	1	11/14/22	
Methomyl	ND	0.50	ug/l	1	11/14/22	
Oxamyl	ND	0.50	ug/l	1	11/14/22	
Propoxur (Baygon)	ND	0.50	ug/l	1	11/14/22	
Semivolatile Organic Compounds by GC/MS						
Method: EPA 525.2		**Instr:** GCMS16				
Batch ID: W2K0830 — **Preparation:** EPA 525.2/SPE		**Prepared:** 11/10/22 08:18				**Analyst:** rmr
Alachlor	ND	0.10	ug/l	1	11/16/22	U-01
Atrazine	ND	0.10	ug/l	1	11/16/22	U-01
Benzo (a) pyrene	ND	0.10	ug/l	1	11/16/22	U-01
Bis(2-ethylhexyl)adipate	ND	5.0	ug/l	1	11/16/22	U-01
Bis(2-ethylhexyl)phthalate	ND	3.0	ug/l	1	11/16/22	U-01
Bromacil	ND	0.50	ug/l	1	11/16/22	U-01
Butachlor	ND	0.10	ug/l	1	11/16/22	U-01
Captan	ND	1.0	ug/l	1	11/16/22	U-01
Chlorpropham	ND	0.10	ug/l	1	11/16/22	U-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Sample Results

(Continued)

Sample: 22K0124-01
2K04024-01 (Water)

Sampled: 11/03/22 11:15 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: W2K0830 **Preparation:** EPA 525.2/SPE		**Prepared:** 11/10/22 08:18				**Analyst:** rmr
Diazinon	ND	0.10	ug/l	1	11/16/22	U-01
Dimethoate	ND	0.20	ug/l	1	11/16/22	U-01
Diphenamid	ND	0.10	ug/l	1	11/16/22	U-01
Disulfoton	ND	0.10	ug/l	1	11/16/22	U-01
EPTC	ND	0.10	ug/l	1	11/16/22	U-01
Hexachlorocyclopentadiene	ND	1.0	ug/l	1	11/16/22	U-01
Metolachlor	ND	0.10	ug/l	1	11/16/22	U-01
Metribuzin	ND	0.10	ug/l	1	11/16/22	U-01
Molinate	ND	0.10	ug/l	1	11/16/22	U-01
Prometryn	ND	0.10	ug/l	1	11/16/22	U-01
Simazine	ND	0.10	ug/l	1	11/16/22	U-01
Terbacil	ND	2.0	ug/l	1	11/16/22	U-01
Thiobencarb	ND	0.10	ug/l	1	11/16/22	U-01
Trithion	ND	0.10	ug/l	1	11/16/22	U-01
Surrogate(s)						
1,3-Dimethyl-2-nitrobenzene	*99%*	*Conc: 5.00*	*70-130*		*11/16/22*	
Perylene-d12	*105%*	*Conc: 5.30*	*50-120*		*11/16/22*	
Triphenyl phosphate	*107%*	*Conc: 5.39*	*70-130*		*11/16/22*	
Semivolatile Organics - Low Level by GC/MS SIM Mode						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W2K0457 **Preparation:** EPA 625/L-L SF		**Prepared:** 11/07/22 09:29				**Analyst:** rmr
1-Methylnaphthalene	ND	0.10	ug/l	1	11/12/22	
2-Methylnaphthalene	ND	0.10	ug/l	1	11/12/22	
Acenaphthene	ND	0.10	ug/l	1	11/12/22	
Acenaphthylene	ND	0.10	ug/l	1	11/12/22	
Anthracene	ND	0.10	ug/l	1	11/12/22	
Benzo (a) anthracene	ND	0.10	ug/l	1	11/12/22	
Benzo (a) pyrene	ND	0.10	ug/l	1	11/12/22	
Benzo (b) fluoranthene	ND	0.10	ug/l	1	11/12/22	
Benzo (g,h,i) perylene	ND	0.10	ug/l	1	11/12/22	
Benzo (k) fluoranthene	ND	0.10	ug/l	1	11/12/22	
Chrysene	ND	0.10	ug/l	1	11/12/22	
Dibenzo (a,h) anthracene	ND	0.10	ug/l	1	11/12/22	
Fluoranthene	ND	0.10	ug/l	1	11/12/22	
Fluorene	ND	0.10	ug/l	1	11/12/22	
Indeno (1,2,3-cd) pyrene	ND	0.10	ug/l	1	11/12/22	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Sample Results

(Continued)

Sample: 22K0124-01
2K04024-01 (Water)

Sampled: 11/03/22 11:15 by Client

(Continued)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organics - Low Level by GC/MS SIM Mode (Continued)						
Method: EPA 625.1		**Instr:** GCMS06				
Batch ID: W2K0457 **Preparation:** EPA 625/L-L SF		**Prepared:** 11/07/22 09:29				**Analyst:** rmr
Naphthalene	ND	0.10	ug/l	1	11/12/22	
Phenanthrene	ND	0.10	ug/l	1	11/12/22	
Pyrene	ND	0.10	ug/l	1	11/12/22	
Surrogate(s)						
2-Fluorobiphenyl	*75%*	*Conc: 3.79*	*22-120*		*11/12/22*	
Nitrobenzene-d5	*80%*	*Conc: 4.06*	*47-120*		*11/12/22*	
Terphenyl-d14	*99%*	*Conc: 5.02*	*44-129*		*11/12/22*	
Volatile Organic Compounds by P&T and GC/MS						
Method: EPA 524.2		**Instr:** GCMS08				
Batch ID: W2K1130 **Preparation:** EPA 5030B		**Prepared:** 11/14/22 14:08				**Analyst:** ADM
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l	1	11/14/22	U-01
1,1,1-Trichloroethane	ND	0.50	ug/l	1	11/14/22	U-01
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l	1	11/14/22	U-01
1,1,2-Trichloroethane	ND	0.50	ug/l	1	11/14/22	U-01
1,1-Dichloroethane	ND	0.50	ug/l	1	11/14/22	U-01
1,1-Dichloroethene	ND	0.50	ug/l	1	11/14/22	U-01
1,1-Dichloropropene	ND	0.50	ug/l	1	11/14/22	U-01
1,2,3-Trichlorobenzene	ND	0.50	ug/l	1	11/14/22	U-01
1,2,4-Trichlorobenzene	ND	0.50	ug/l	1	11/14/22	U-01
1,2,4-Trimethylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
1,2-Dichloroethane	ND	0.50	ug/l	1	11/14/22	U-01
1,2-Dichloropropane	ND	0.50	ug/l	1	11/14/22	U-01
1,3,5-Trimethylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
1,3-Dichloropropane	ND	0.50	ug/l	1	11/14/22	U-01
1,3-Dichloropropene, Total	ND	0.50	ug/l	1	11/14/22	U-01
2,2-Dichloropropane	ND	0.50	ug/l	1	11/14/22	U-01
2-Butanone	ND	5.0	ug/l	1	11/14/22	U-01
2-Chlorotoluene	ND	0.50	ug/l	1	11/14/22	U-01
2-Hexanone	ND	5.0	ug/l	1	11/14/22	U-01
4-Chlorotoluene	ND	0.50	ug/l	1	11/14/22	U-01
4-Methyl-2-pentanone	ND	5.0	ug/l	1	11/14/22	U-01
Benzene	ND	0.50	ug/l	1	11/14/22	U-01
Bromobenzene	ND	0.50	ug/l	1	11/14/22	U-01
Bromochloromethane	ND	0.50	ug/l	1	11/14/22	U-01
Bromodichloromethane	**4.1**	0.50	ug/l	1	11/14/22	U-01
Bromoform	ND	0.50	ug/l	1	11/14/22	U-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Sample Results

(Continued)

Sample: 22K0124-01
2K04024-01 (Water)

Sampled: 11/03/22 11:15 by Client

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Method: EPA 524.2 **Instr:** GCMS08

Batch ID: W2K1130 **Preparation:** EPA 5030B **Prepared:** 11/14/22 14:08 **Analyst:** ADM

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Bromomethane	ND	0.50	ug/l	1	11/14/22	U-01
Carbon tetrachloride	ND	0.50	ug/l	1	11/14/22	U-01
Chlorobenzene	ND	0.50	ug/l	1	11/14/22	U-01
Chloroethane	ND	0.50	ug/l	1	11/14/22	U-01
Chloroform	**16**	0.50	ug/l	1	11/14/22	U-01
Chloromethane	ND	0.50	ug/l	1	11/14/22	U-01
cis-1,2-Dichloroethene	ND	0.50	ug/l	1	11/14/22	U-01
cis-1,3-Dichloropropene	ND	0.50	ug/l	1	11/14/22	U-01
Dibromochloromethane	**0.53**	0.50	ug/l	1	11/14/22	U-01
Dibromomethane	ND	0.50	ug/l	1	11/14/22	U-01
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l	1	11/14/22	U-01
Di-isopropyl ether	ND	2.0	ug/l	1	11/14/22	U-01
Ethyl tert-butyl ether	ND	2.0	ug/l	1	11/14/22	U-01
Ethylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
Freon 113	ND	5.0	ug/l	1	11/14/22	U-01
Hexachlorobutadiene	ND	0.50	ug/l	1	11/14/22	U-01
Isopropylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
m,p-Xylene	ND	0.50	ug/l	1	11/14/22	U-01
m-Dichlorobenzene	ND	0.50	ug/l	1	11/14/22	U-01
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l	1	11/14/22	U-01
Methylene chloride	ND	0.50	ug/l	1	11/14/22	U-01
Naphthalene	ND	0.50	ug/l	1	11/14/22	U-01
n-Butylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
n-Propylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
o-Dichlorobenzene	ND	0.50	ug/l	1	11/14/22	U-01
o-Xylene	ND	0.50	ug/l	1	11/14/22	U-01
p-Dichlorobenzene	ND	0.50	ug/l	1	11/14/22	U-01
p-Isopropyltoluene	ND	0.50	ug/l	1	11/14/22	U-01
sec-Butylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
Styrene	ND	0.50	ug/l	1	11/14/22	U-01
Tert-amyl methyl ether	ND	2.0	ug/l	1	11/14/22	U-01
tert-Butylbenzene	ND	0.50	ug/l	1	11/14/22	U-01
Tetrachloroethene	ND	0.50	ug/l	1	11/14/22	U-01
THMs, Total	**21**	0.50	ug/l	1	11/14/22	U-01
Toluene	ND	0.50	ug/l	1	11/14/22	U-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Sample Results

(Continued)

Sample: 22K0124-01
2K04024-01 (Water)

Sampled: 11/03/22 11:15 by Client

(Continued)

Analyte	Result		MRL	Units	Dil	Analyzed	Qualifier
Volatile Organic Compounds by P&T and GC/MS (Continued)							
Method: EPA 524.2			**Instr:** GCMS08				
Batch ID: W2K1130 **Preparation:** EPA 5030B			**Prepared:** 11/14/22 14:08			**Analyst:** ADM	
trans-1,2-Dichloroethene	ND		0.50	ug/l	1	11/14/22	U-01
trans-1,3-Dichloropropene	ND		0.50	ug/l	1	11/14/22	U-01
Trichloroethene	ND		0.50	ug/l	1	11/14/22	U-01
Trichlorofluoromethane	ND		0.50	ug/l	1	11/14/22	U-01
Vinyl chloride	ND		0.50	ug/l	1	11/14/22	U-01
Xylenes, Total	ND		0.50	ug/l	1	11/14/22	U-01
Surrogate(s)							
1,2-Dichlorobenzene-d4	*106%*	*Conc: 10.6*	*70-130*			*11/14/22*	
4-Bromofluorobenzene	*101%*	*Conc: 10.1*	*70-130*			*11/14/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS12				
Batch ID: W2K1074 **Preparation:** Method (P+T)			**Prepared:** 11/14/22 07:39			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND		0.010	ug/l	1	11/14/22	U-01
1,2-Dibromoethane (EDB)	ND		0.020	ug/l	1	11/14/22	U-01
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.398*	*70-130*			*11/14/22*	
4-Bromofluorobenzene	*100%*	*Conc: 0.401*	*70-130*			*11/14/22*	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K0842 - EPA 515.4										
Blank (W2K0842-BLK1)				**Prepared: 11/10/22**	**Analyzed: 11/15/22**					
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	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
LCS (W2K0842-BS1)				**Prepared: 11/10/22**	**Analyzed: 11/16/22**					
2,4,5-T	4.08	0.20	ug/l	4.00		102	70-130			
2,4,5-TP (Silvex)	4.04	0.20	ug/l	4.00		101	70-130			
2,4-D	8.20	0.40	ug/l	8.00		103	70-130			
2,4-DB	20.0	2.0	ug/l	16.0		125	70-130			
3,5-Dichlorobenzoic acid	8.63	1.0	ug/l	8.00		108	70-130			
Acifluorfen	3.84	0.40	ug/l	4.00		96	70-130			
Bentazon	15.1	2.0	ug/l	16.0		94	70-130			
Dalapon	8.21	0.40	ug/l	8.00		103	70-130			
DCPA	3.96	0.10	ug/l	4.00		99	70-130			
Dicamba	8.05	0.60	ug/l	8.00		101	70-130			
Dichloroprop	8.24	0.30	ug/l	8.00		103	70-130			
Dinoseb	3.92	0.40	ug/l	4.00		98	70-130			
Pentachlorophenol	3.81	0.20	ug/l	4.00		95	70-130			
Picloram	4.03	0.60	ug/l	4.00		101	70-130			
Surrogate(s)										
2,4-DCAA	*10.0*		*ug/l*	*10.0*		*100*	*70-130*			
Matrix Spike (W2K0842-MS1)	**Source: 2J18018-01**			**Prepared: 11/10/22**	**Analyzed: 11/16/22**					
2,4,5-T	4.15	0.20	ug/l	4.00	ND	104	70-130			
2,4,5-TP (Silvex)	4.33	0.20	ug/l	4.00	ND	108	70-130			
2,4-D	8.22	0.40	ug/l	8.00	ND	103	70-130			
2,4-DB	26.8	2.0	ug/l	16.0	ND	167	70-130			MS-01
3,5-Dichlorobenzoic acid	8.32	1.0	ug/l	8.00	ND	104	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K0842 - EPA 515.4 (Continued)										
Matrix Spike (W2K0842-MS1)	**Source: 2J18018-01**			**Prepared: 11/10/22**	**Analyzed: 11/16/22**					
Acifluorfen	4.28	0.40	ug/l	4.00	ND	107	70-130			
Bentazon	15.1	2.0	ug/l	16.0	ND	94	70-130			
Dalapon	8.10	0.40	ug/l	8.00	ND	101	70-130			
DCPA	3.96	0.10	ug/l	4.00	ND	99	70-130			
Dicamba	8.16	0.60	ug/l	8.00	ND	102	70-130			
Dichloroprop	8.24	0.30	ug/l	8.00	ND	103	70-130			
Dinoseb	4.17	0.40	ug/l	4.00	ND	104	70-130			
Pentachlorophenol	3.83	0.20	ug/l	4.00	ND	96	70-130			
Picloram	4.26	0.60	ug/l	4.00	ND	107	70-130			
Surrogate(s)										
2,4-DCAA	*10.4*		*ug/l*	*10.0*		*104*	*70-130*			
Matrix Spike Dup (W2K0842-MSD1)	**Source: 2J18018-01**			**Prepared: 11/10/22**	**Analyzed: 11/16/22**					
2,4,5-T	4.06	0.20	ug/l	4.00	ND	102	70-130	2	30	
2,4,5-TP (Silvex)	4.17	0.20	ug/l	4.00	ND	104	70-130	4	30	
2,4-D	7.76	0.40	ug/l	8.00	ND	97	70-130	6	30	
2,4-DB	26.0	2.0	ug/l	16.0	ND	162	70-130	3	30	MS-01
3,5-Dichlorobenzoic acid	7.87	1.0	ug/l	8.00	ND	98	70-130	6	30	
Acifluorfen	4.29	0.40	ug/l	4.00	ND	107	70-130	0.2	30	
Bentazon	15.2	2.0	ug/l	16.0	ND	95	70-130	0.3	30	
Dalapon	8.78	0.40	ug/l	8.00	ND	110	70-130	8	30	
DCPA	3.93	0.10	ug/l	4.00	ND	98	70-130	0.7	30	
Dicamba	7.77	0.60	ug/l	8.00	ND	97	70-130	5	30	
Dichloroprop	7.72	0.30	ug/l	8.00	ND	96	70-130	7	30	
Dinoseb	4.08	0.40	ug/l	4.00	ND	102	70-130	2	30	
Pentachlorophenol	3.63	0.20	ug/l	4.00	ND	91	70-130	5	30	
Picloram	4.13	0.60	ug/l	4.00	ND	103	70-130	3	30	
Surrogate(s)										
2,4-DCAA	*9.96*		*ug/l*	*10.0*		*100*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K1072 - EPA 508.1										
Blank (W2K1072-BLK1)				**Prepared: 11/14/22 Analyzed: 11/18/22**						
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	1.0	ug/l							
Trifluralin	ND	0.010	ug/l							
Surrogate(s)										
4,4-Dibromobiphenyl	*0.0936*		*ug/l*	*0.100*		*94*	*70-130*			
Blank (W2K1072-BLK2)				**Prepared: 11/14/22 Analyzed: 11/28/22**						
4,4´-DDD	ND	0.010	ug/l							QC-2
4,4´-DDE	ND	0.010	ug/l							QC-2
4,4´-DDT	ND	0.010	ug/l							QC-2
Aldrin	ND	0.010	ug/l							QC-2

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K1072 - EPA 508.1 (Continued)										
Blank (W2K1072-BLK2)				**Prepared: 11/14/22 Analyzed: 11/28/22**						
alpha-BHC	ND	0.010	ug/l							QC-2
Aroclor 1016	ND	0.10	ug/l							QC-2
Aroclor 1221	ND	0.10	ug/l							QC-2
Aroclor 1232	ND	0.10	ug/l							QC-2
Aroclor 1242	ND	0.10	ug/l							QC-2
Aroclor 1248	ND	0.10	ug/l							QC-2
Aroclor 1254	ND	0.10	ug/l							QC-2
Aroclor 1260	ND	0.10	ug/l							QC-2
beta-BHC	ND	0.010	ug/l							QC-2
Chlordane (tech)	ND	0.10	ug/l							QC-2
Chlorothalonil	ND	0.050	ug/l							QC-2
delta-BHC	ND	0.010	ug/l							QC-2
Dieldrin	ND	0.010	ug/l							QC-2
Endosulfan I	ND	0.010	ug/l							QC-2
Endosulfan II	ND	0.010	ug/l							QC-2
Endosulfan sulfate	ND	0.010	ug/l							QC-2
Endrin	ND	0.010	ug/l							QC-2
Endrin aldehyde	ND	0.010	ug/l							QC-2
gamma-BHC (Lindane)	ND	0.010	ug/l							QC-2
Heptachlor	ND	0.010	ug/l							QC-2
Heptachlor epoxide	ND	0.010	ug/l							QC-2
Hexachlorobenzene	ND	0.050	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.050	ug/l							QC-2
Methoxychlor	ND	0.010	ug/l							QC-2
PCBs, Total	ND	0.50	ug/l							QC-2
Propachlor	ND	0.050	ug/l							QC-2
Toxaphene	ND	1.0	ug/l							QC-2
Trifluralin	ND	0.010	ug/l							QC-2
Surrogate(s)										
4,4-Dibromobiphenyl	*0.0938*		*ug/l*	*0.100*		*94*	*70-130*			*QC-2*
LCS (W2K1072-BS1)				**Prepared: 11/14/22 Analyzed: 11/18/22**						
4,4´-DDD	0.0988	0.010	ug/l	0.100		99	70-130			
4,4´-DDE	0.0815	0.010	ug/l	0.100		81	70-130			
4,4´-DDT	0.115	0.010	ug/l	0.100		115	70-130			
Aldrin	0.0626	0.010	ug/l	0.100		63	50-130			
alpha-BHC	0.103	0.010	ug/l	0.100		103	70-130			
beta-BHC	0.101	0.010	ug/l	0.100		101	70-130			
delta-BHC	0.101	0.010	ug/l	0.100		101	70-130			
Dieldrin	0.0898	0.010	ug/l	0.100		90	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K1072 - EPA 508.1 (Continued)										
LCS (W2K1072-BS1)				**Prepared: 11/14/22 Analyzed: 11/18/22**						
Endosulfan I	0.0998	0.010	ug/l	0.100		100	70-130			
Endosulfan II	0.103	0.010	ug/l	0.100		103	70-130			
Endosulfan sulfate	0.104	0.010	ug/l	0.100		104	70-130			
Endrin	0.103	0.010	ug/l	0.100		103	70-130			
Endrin aldehyde	0.0822	0.010	ug/l	0.100		82	70-130			
gamma-BHC (Lindane)	0.103	0.010	ug/l	0.100		103	70-130			
Heptachlor	0.101	0.010	ug/l	0.100		101	70-130			
Heptachlor epoxide	0.101	0.010	ug/l	0.100		101	70-130			
Methoxychlor	0.112	0.010	ug/l	0.100		112	70-130			
Surrogate(s)										
4,4-Dibromobiphenyl	*0.102*		*ug/l*	*0.100*		*102*	*70-130*			
LCS (W2K1072-BS2)				**Prepared: 11/14/22 Analyzed: 11/18/22**						
Aroclor 1016	0.777	0.10	ug/l	1.00		78	70-130			
Aroclor 1260	0.893	0.10	ug/l	1.00		89	70-130			
Surrogate(s)										
4,4-Dibromobiphenyl	*0.0932*		*ug/l*	*0.100*		*93*	*70-130*			
LCS (W2K1072-BS3)				**Prepared: 11/14/22 Analyzed: 11/28/22**						
4,4´-DDD	0.0985	0.010	ug/l	0.100		98	70-130			QC-2
4,4´-DDE	0.0823	0.010	ug/l	0.100		82	70-130			QC-2
4,4´-DDT	0.119	0.010	ug/l	0.100		119	70-130			QC-2
Aldrin	0.0599	0.010	ug/l	0.100		60	50-130			QC-2
alpha-BHC	0.0988	0.010	ug/l	0.100		99	70-130			QC-2
beta-BHC	0.0975	0.010	ug/l	0.100		98	70-130			QC-2
delta-BHC	0.0994	0.010	ug/l	0.100		99	70-130			QC-2
Dieldrin	0.0878	0.010	ug/l	0.100		88	70-130			QC-2
Endosulfan I	0.0989	0.010	ug/l	0.100		99	70-130			QC-2
Endosulfan II	0.104	0.010	ug/l	0.100		104	70-130			QC-2
Endosulfan sulfate	0.104	0.010	ug/l	0.100		104	70-130			QC-2
Endrin	0.106	0.010	ug/l	0.100		106	70-130			QC-2
Endrin aldehyde	0.0815	0.010	ug/l	0.100		82	70-130			QC-2
gamma-BHC (Lindane)	0.0996	0.010	ug/l	0.100		100	70-130			QC-2
Heptachlor	0.101	0.010	ug/l	0.100		101	70-130			QC-2
Heptachlor epoxide	0.0995	0.010	ug/l	0.100		99	70-130			QC-2
Methoxychlor	0.112	0.010	ug/l	0.100		112	70-130			QC-2
Surrogate(s)										
4,4-Dibromobiphenyl	*0.104*		*ug/l*	*0.100*		*104*	*70-130*			*QC-2*
LCS (W2K1072-BS4)				**Prepared: 11/14/22 Analyzed: 11/28/22**						
Aroclor 1016	0.703	0.10	ug/l	1.00		70	70-130			QC-2
Aroclor 1260	0.762	0.10	ug/l	1.00		76	70-130			QC-2
Surrogate(s)										

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K1072 - EPA 508.1 (Continued)										
LCS (W2K1072-BS4)				**Prepared: 11/14/22**	**Analyzed: 11/28/22**					
Surrogate(s)										
4,4-Dibromobiphenyl	*0.0928*		*ug/l*	*0.100*		*93*	*70-130*			*QC-2*
Matrix Spike (W2K1072-MS1)	**Source: 2J18018-01**			**Prepared: 11/14/22**	**Analyzed: 11/18/22**					
4,4´-DDD	0.100	0.010	ug/l	0.102	ND	98	65-135			
4,4´-DDE	0.0838	0.010	ug/l	0.102	ND	82	65-135			
4,4´-DDT	0.117	0.010	ug/l	0.102	ND	114	65-135			
Aldrin	0.0605	0.010	ug/l	0.102	ND	59	50-135			
alpha-BHC	0.0938	0.010	ug/l	0.102	ND	92	65-135			
beta-BHC	0.0953	0.010	ug/l	0.102	ND	93	65-135			
delta-BHC	0.0953	0.010	ug/l	0.102	ND	93	65-135			
Dieldrin	0.0867	0.010	ug/l	0.102	ND	85	65-135			
Endosulfan I	0.0959	0.010	ug/l	0.102	ND	94	65-135			
Endosulfan II	0.102	0.010	ug/l	0.102	ND	100	65-135			
Endosulfan sulfate	0.102	0.010	ug/l	0.102	ND	100	65-135			
Endrin	0.101	0.010	ug/l	0.102	ND	99	65-135			
Endrin aldehyde	0.0841	0.010	ug/l	0.102	ND	82	65-135			
gamma-BHC (Lindane)	0.0953	0.010	ug/l	0.102	ND	93	65-135			
Heptachlor	0.0961	0.010	ug/l	0.102	ND	94	65-135			
Heptachlor epoxide	0.0960	0.010	ug/l	0.102	ND	94	65-135			
Methoxychlor	0.116	0.010	ug/l	0.102	ND	113	65-135			
Surrogate(s)										
4,4-Dibromobiphenyl	*0.104*		*ug/l*	*0.102*		*102*	*70-130*			
Matrix Spike Dup (W2K1072-MSD1)	**Source: 2J18018-01**			**Prepared: 11/14/22**	**Analyzed: 11/18/22**					
4,4´-DDD	0.0966	0.010	ug/l	0.101	ND	96	65-135	4	30	
4,4´-DDE	0.0806	0.010	ug/l	0.101	ND	80	65-135	4	30	
4,4´-DDT	0.113	0.010	ug/l	0.101	ND	112	65-135	4	30	
Aldrin	0.0577	0.010	ug/l	0.101	ND	57	50-135	5	30	
alpha-BHC	0.0960	0.010	ug/l	0.101	ND	95	65-135	2	30	
beta-BHC	0.0959	0.010	ug/l	0.101	ND	95	65-135	0.6	30	
delta-BHC	0.0957	0.010	ug/l	0.101	ND	95	65-135	0.4	30	
Dieldrin	0.0863	0.010	ug/l	0.101	ND	86	65-135	0.5	30	
Endosulfan I	0.0955	0.010	ug/l	0.101	ND	95	65-135	0.4	30	
Endosulfan II	0.0994	0.010	ug/l	0.101	ND	99	65-135	3	30	
Endosulfan sulfate	0.101	0.010	ug/l	0.101	ND	100	65-135	1	30	
Endrin	0.100	0.010	ug/l	0.101	ND	99	65-135	0.8	30	
Endrin aldehyde	0.0835	0.010	ug/l	0.101	ND	83	65-135	0.6	30	
gamma-BHC (Lindane)	0.0964	0.010	ug/l	0.101	ND	96	65-135	1	30	
Heptachlor	0.0958	0.010	ug/l	0.101	ND	95	65-135	0.4	30	
Heptachlor epoxide	0.0960	0.010	ug/l	0.101	ND	95	65-135	0.03	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K1072 - EPA 508.1 (Continued)										
Matrix Spike Dup (W2K1072-MSD1)	**Source: 2J18018-01**			**Prepared: 11/14/22**	**Analyzed: 11/18/22**					
Methoxychlor	0.113	0.010	ug/l	0.101	ND	112	65-135	2	30	
Surrogate(s)										
4,4-Dibromobiphenyl	*0.109*		*ug/l*	*0.101*		*108*	*70-130*			

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: W2K0530 - EPA 549.2										
Blank (W2K0530-BLK1)				**Prepared: 11/08/22**	**Analyzed: 11/28/22**					
Diquat	ND	0.40	ug/l							
LCS (W2K0530-BS1)				**Prepared: 11/08/22**	**Analyzed: 11/28/22**					
Diquat	20.2	0.40	ug/l	20.0		101	70-130			
Matrix Spike (W2K0530-MS1)	**Source: 2J18018-01**			**Prepared: 11/08/22**	**Analyzed: 11/28/22**					
Diquat	17.6	0.40	ug/l	20.0	ND	88	46-122			
Matrix Spike Dup (W2K0530-MSD1)	**Source: 2J18018-01**			**Prepared: 11/08/22**	**Analyzed: 11/28/22**					
Diquat	17.5	0.40	ug/l	20.0	ND	88	46-122	0.6	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: W2K0453 - EPA 548.1										
Blank (W2K0453-BLK1)				**Prepared: 11/07/22**	**Analyzed: 11/14/22**					
Endothall	ND	9.0	ug/l							
LCS (W2K0453-BS1)				**Prepared: 11/07/22**	**Analyzed: 11/14/22**					
Endothall	83.7	9.0	ug/l	100		84	31-117			
Matrix Spike (W2K0453-MS1)	**Source: 2K03085-01**			**Prepared: 11/07/22**	**Analyzed: 11/14/22**					
Endothall	66.7	90	ug/l	200	ND	33	0.1-109			
Matrix Spike (W2K0453-MS2)	**Source: 2J18018-01**			**Prepared: 11/07/22**	**Analyzed: 11/14/22**					
Endothall	149	90	ug/l	200	ND	74	0.1-109			
Matrix Spike Dup (W2K0453-MSD1)	**Source: 2K03085-01**			**Prepared: 11/07/22**	**Analyzed: 11/14/22**					
Endothall	73.4	90	ug/l	200	ND	37	0.1-109	10	30	
Matrix Spike Dup (W2K0453-MSD2)	**Source: 2J18018-01**			**Prepared: 11/07/22**	**Analyzed: 11/14/22**					
Endothall	63.3	90	ug/l	200	ND	32	0.1-109	81	30	R-02

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K0485 - EPA 547										
Blank (W2K0485-BLK1)				**Prepared & Analyzed: 11/07/22**						
Glyphosate	ND	5.0	ug/l							
LCS (W2K0485-BS1)				**Prepared & Analyzed: 11/07/22**						
Glyphosate	22.5	5.0	ug/l	25.0		90	70-130			
LCS Dup (W2K0485-BSD1)				**Prepared & Analyzed: 11/07/22**						
Glyphosate	22.0	5.0	ug/l	25.0		88	70-130	2	30	
Matrix Spike (W2K0485-MS1)	**Source: 2J18018-01**			**Prepared & Analyzed: 11/07/22**						
Glyphosate	ND	5.0	ug/l	25.0	ND		41-149			MS-01
Matrix Spike (W2K0485-MS2)	**Source: 2K02061-01**			**Prepared & Analyzed: 11/07/22**						
Glyphosate	ND	5.0	ug/l	25.0	ND		41-149			MS-01
Matrix Spike Dup (W2K0485-MSD1)	**Source: 2J18018-01**			**Prepared & Analyzed: 11/07/22**						
Glyphosate	ND	5.0	ug/l	25.0	ND		41-149		30	MS-01
Matrix Spike Dup (W2K0485-MSD2)	**Source: 2K02061-01**			**Prepared & Analyzed: 11/07/22**						
Glyphosate	ND	5.0	ug/l	25.0	ND		41-149		30	MS-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K0933 - EPA 552.3										
Blank (W2K0933-BLK1)				**Prepared: 11/11/22**	**Analyzed: 11/14/22**					
Bromochloroacetic acid (bcaa)	ND	1.0	ug/l							
Bromodichloroacetic acid (bdcaa)	ND	1.0	ug/l							
Chlorodibromoacetic acid (cdbaa)	ND	1.0	ug/l							
Dibromoacetic acid (dbaa)	ND	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	2.0	ug/l							
Tribromoacetic acid (tbaa)	ND	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	1.0	ug/l							
Surrogate(s)										
2-Bromobutyric acid	*9.70*		*ug/l*	*10.0*		*97*	*70-130*			
LCS (W2K0933-BS1)				**Prepared: 11/11/22**	**Analyzed: 11/14/22**					
Bromochloroacetic acid (bcaa)	10.4	1.0	ug/l	10.0		104	70-130			
Bromodichloroacetic acid (bdcaa)	9.72	1.0	ug/l	10.0		97	70-130			
Chlorodibromoacetic acid (cdbaa)	9.52	1.0	ug/l	10.0		95	70-130			
Dibromoacetic acid (dbaa)	10.2	1.0	ug/l	10.0		102	70-130			
Dichloroacetic acid (dcaa)	10.2	1.0	ug/l	10.0		102	70-130			
Monobromoacetic acid (mbaa)	10.2	1.0	ug/l	10.0		102	70-130			
Monochloroacetic acid (mcaa)	10.0	2.0	ug/l	10.0		100	70-130			
Tribromoacetic acid (tbaa)	9.48	2.0	ug/l	10.0		95	70-130			
Trichloroacetic acid (tcaa)	10.3	1.0	ug/l	10.0		103	70-130			
Surrogate(s)										
2-Bromobutyric acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike (W2K0933-MS1)	**Source: 2J17001-01**			**Prepared: 11/11/22**	**Analyzed: 11/14/22**					
Bromochloroacetic acid (bcaa)	15.8	1.0	ug/l	10.0	5.16	106	70-130			
Bromodichloroacetic acid (bdcaa)	17.8	1.0	ug/l	10.0	6.49	113	70-130			
Chlorodibromoacetic acid (cdbaa)	12.7	1.0	ug/l	10.0	1.90	108	70-130			
Dibromoacetic acid (dbaa)	12.3	1.0	ug/l	10.0	1.57	107	70-130			
Dichloroacetic acid (dcaa)	19.1	1.0	ug/l	10.0	9.97	92	70-130			
Monobromoacetic acid (mbaa)	12.0	1.0	ug/l	10.0	2.90	91	70-130			
Monochloroacetic acid (mcaa)	10.0	2.0	ug/l	10.0	1.30	87	70-130			
Tribromoacetic acid (tbaa)	10.9	2.0	ug/l	10.0	0.465	104	70-130			
Trichloroacetic acid (tcaa)	22.7	1.0	ug/l	10.0	11.9	108	70-130			
Surrogate(s)										
2-Bromobutyric acid	*10.3*		*ug/l*	*10.0*		*103*	*70-130*			
Matrix Spike Dup (W2K0933-MSD1)	**Source: 2J17001-01**			**Prepared: 11/11/22**	**Analyzed: 11/14/22**					
Bromochloroacetic acid (bcaa)	15.8	1.0	ug/l	10.0	5.16	106	70-130	0.2	30	
Bromodichloroacetic acid (bdcaa)	17.8	1.0	ug/l	10.0	6.49	113	70-130	0.05	30	
Chlorodibromoacetic acid (cdbaa)	12.7	1.0	ug/l	10.0	1.90	108	70-130	0.02	30	
Dibromoacetic acid (dbaa)	12.4	1.0	ug/l	10.0	1.57	108	70-130	0.7	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K0933 - EPA 552.3 (Continued)										
Matrix Spike Dup (W2K0933-MSD1)	**Source: 2J17001-01**			**Prepared: 11/11/22**	**Analyzed: 11/14/22**					
Dichloroacetic acid (dcaa)	18.1	1.0	ug/l	10.0	9.97	81	70-130	6	30	
Monobromoacetic acid (mbaa)	11.6	1.0	ug/l	10.0	2.90	87	70-130	4	30	
Monochloroacetic acid (mcaa)	9.87	2.0	ug/l	10.0	1.30	86	70-130	2	30	
Tribromoacetic acid (tbaa)	11.1	2.0	ug/l	10.0	0.465	106	70-130	2	30	
Trichloroacetic acid (tcaa)	22.1	1.0	ug/l	10.0	11.9	102	70-130	3	30	
Surrogate(s)										
2-Bromobutyric acid	*10.1*		*ug/l*	*10.0*		*101*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Pesticides/Herbicides and Other Organic compounds by LC/MS/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1117 - EPA 8321A										
Blank (W2K1117-BLK1)				**Prepared & Analyzed: 11/14/22**						
3-Hydroxycarbofuran	ND	0.50	ug/l							
Aldicarb	ND	0.50	ug/l							
Aldicarb sulfone	ND	0.50	ug/l							
Aldicarb sulfoxide	ND	0.50	ug/l							
Carbaryl	ND	0.50	ug/l							
Carbofuran	ND	0.50	ug/l							
Diuron	ND	1.0	ug/l							
Methiocarb	ND	0.50	ug/l							
Methomyl	ND	0.50	ug/l							
Oxamyl	ND	0.50	ug/l							
Propoxur (Baygon)	ND	0.50	ug/l							
Blank (W2K1117-BLK2)				**Prepared & Analyzed: 11/14/22**						
3-Hydroxycarbofuran	ND	0.50	ug/l							
Aldicarb	ND	0.50	ug/l							
Aldicarb sulfone	ND	0.50	ug/l							
Aldicarb sulfoxide	ND	0.50	ug/l							
Carbaryl	ND	0.50	ug/l							
Carbofuran	ND	0.50	ug/l							
Diuron	ND	1.0	ug/l							
Methiocarb	ND	0.50	ug/l							
Methomyl	ND	0.50	ug/l							
Oxamyl	ND	0.50	ug/l							
Propoxur (Baygon)	ND	0.50	ug/l							
LCS (W2K1117-BS1)				**Prepared & Analyzed: 11/14/22**						
3-Hydroxycarbofuran	4.89	0.50	ug/l	5.00		98	80-120			
Aldicarb	5.48	0.50	ug/l	5.00		110	80-120			
Aldicarb sulfone	5.06	0.50	ug/l	5.00		101	80-120			
Aldicarb sulfoxide	5.10	0.50	ug/l	5.00		102	80-120			
Carbaryl	5.29	0.50	ug/l	5.00		106	80-120			
Carbofuran	5.08	0.50	ug/l	5.00		102	80-120			
Diuron	4.51	1.0	ug/l	5.00		90	68-125			
Methiocarb	5.21	0.50	ug/l	5.00		104	80-120			
Methomyl	5.83	0.50	ug/l	5.00		117	80-120			
Oxamyl	5.42	0.50	ug/l	5.00		108	80-120			
Propoxur (Baygon)	4.69	0.50	ug/l	5.00		94	80-120			
Matrix Spike (W2K1117-MS1)	**Source: 2J25104-01**			**Prepared & Analyzed: 11/14/22**						
3-Hydroxycarbofuran	5.56	0.50	ug/l	5.00	ND	111	65-135			
Aldicarb	5.30	0.50	ug/l	5.00	ND	106	65-135			
Aldicarb sulfone	5.65	0.50	ug/l	5.00	ND	113	65-135			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Pesticides/Herbicides and Other Organic compounds by LC/MS/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1117 - EPA 8321A (Continued)										
Matrix Spike (W2K1117-MS1)	**Source: 2J25104-01**			**Prepared & Analyzed: 11/14/22**						
Aldicarb sulfoxide	5.54	0.50	ug/l	5.00	ND	111	65-135			
Carbaryl	4.62	0.50	ug/l	5.00	ND	92	65-135			
Carbofuran	5.25	0.50	ug/l	5.00	ND	105	65-135			
Diuron	4.88	1.0	ug/l	5.00	ND	98	58-160			
Methiocarb	4.93	0.50	ug/l	5.00	ND	99	65-135			
Methomyl	5.02	0.50	ug/l	5.00	ND	100	65-135			
Oxamyl	5.34	0.50	ug/l	5.00	ND	107	65-135			
Propoxur (Baygon)	4.67	0.50	ug/l	5.00	ND	93	65-135			
Matrix Spike Dup (W2K1117-MSD1)	**Source: 2J25104-01**			**Prepared & Analyzed: 11/14/22**						
3-Hydroxycarbofuran	5.25	0.50	ug/l	5.00	ND	105	65-135	6	30	
Aldicarb	4.20	0.50	ug/l	5.00	ND	84	65-135	23	30	
Aldicarb sulfone	4.87	0.50	ug/l	5.00	ND	97	65-135	15	30	
Aldicarb sulfoxide	4.83	0.50	ug/l	5.00	ND	97	65-135	14	30	
Carbaryl	4.26	0.50	ug/l	5.00	ND	85	65-135	8	30	
Carbofuran	4.68	0.50	ug/l	5.00	ND	94	65-135	11	30	
Diuron	4.03	1.0	ug/l	5.00	ND	81	58-160	19	30	
Methiocarb	4.87	0.50	ug/l	5.00	ND	97	65-135	1	30	
Methomyl	4.59	0.50	ug/l	5.00	ND	92	65-135	9	30	
Oxamyl	4.96	0.50	ug/l	5.00	ND	99	65-135	8	30	
Propoxur (Baygon)	4.22	0.50	ug/l	5.00	ND	84	65-135	10	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K0830 - EPA 525.2										
Blank (W2K0830-BLK1)				**Prepared: 11/10/22 Analyzed: 11/15/22**						
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	5.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	3.0	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							
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							
Hexachlorocyclopentadiene	ND	1.0	ug/l							
Metolachlor	ND	0.10	ug/l							
Metribuzin	ND	0.10	ug/l							
Molinate	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	*4.91*		*ug/l*	*5.00*		*98*	*70-130*			
Perylene-d12	*4.88*		*ug/l*	*5.00*		*98*	*50-120*			
Triphenyl phosphate	*5.18*		*ug/l*	*5.00*		*104*	*70-130*			
LCS (W2K0830-BS1)				**Prepared: 11/10/22 Analyzed: 11/15/22**						
Alachlor	8.64	0.10	ug/l	7.50		115	70-130			
Atrazine	4.29	0.10	ug/l	5.00		86	70-130			
Benzo (a) pyrene	5.80	0.10	ug/l	5.00		116	60-130			
Bis(2-ethylhexyl)adipate	5.62	5.0	ug/l	5.00		112	70-130			
Bis(2-ethylhexyl)phthalate	6.31	3.0	ug/l	5.00		126	70-130			
Bromacil	5.20	0.50	ug/l	5.00		104	70-130			
Butachlor	5.98	0.10	ug/l	5.00		120	70-130			
Captan	5.40	1.0	ug/l	5.00		108	70-130			
Chlorpropham	5.16	0.10	ug/l	5.00		103	70-130			
Diazinon	5.00	0.10	ug/l	5.00		100	50-120			
Dimethoate	3.38	0.20	ug/l	5.00		68	50-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K0830 - EPA 525.2 (Continued)										
LCS (W2K0830-BS1)				**Prepared: 11/10/22**	**Analyzed: 11/15/22**					
Diphenamid	5.23	0.10	ug/l	5.00		105	70-130			
Disulfoton	4.45	0.10	ug/l	5.00		89	50-120			
EPTC	5.48	0.10	ug/l	5.00		110	70-130			
Hexachlorocyclopentadiene	2.22	1.0	ug/l	2.50		89	33-106			
Metolachlor	5.69	0.10	ug/l	5.00		114	60-130			
Metribuzin	5.01	0.10	ug/l	5.00		100	50-120			
Molinate	4.78	0.10	ug/l	5.00		96	70-130			
Prometryn	2.10	0.10	ug/l	5.00		42	30-120			
Simazine	4.19	0.10	ug/l	5.00		84	60-130			
Terbacil	4.26	2.0	ug/l	5.00		85	70-130			
Thiobencarb	4.94	0.10	ug/l	5.00		99	70-130			
Trithion	4.60	0.10	ug/l	5.00		92	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.69*		*ug/l*	*5.00*		*94*	*70-130*			
Perylene-d12	*4.83*		*ug/l*	*5.00*		*97*	*50-120*			
Triphenyl phosphate	*5.49*		*ug/l*	*5.00*		*110*	*70-130*			
Matrix Spike (W2K0830-MS1)	**Source: 2J18018-01**			**Prepared: 11/10/22**	**Analyzed: 11/15/22**					
Alachlor	8.22	0.10	ug/l	7.58	ND	108	70-130			
Atrazine	4.61	0.10	ug/l	5.06	ND	91	70-130			
Benzo (a) pyrene	5.54	0.10	ug/l	5.06	ND	109	60-130			
Bis(2-ethylhexyl)adipate	5.55	5.0	ug/l	5.06	ND	110	70-130			
Bis(2-ethylhexyl)phthalate	5.72	3.0	ug/l	5.06	ND	113	70-130			
Bromacil	5.17	0.50	ug/l	5.06	ND	102	70-130			
Butachlor	5.56	0.10	ug/l	5.06	ND	110	70-130			
Captan	5.55	1.0	ug/l	5.06	ND	110	70-130			
Chlorpropham	5.33	0.10	ug/l	5.06	ND	105	70-130			
Diazinon	5.05	0.10	ug/l	5.06	ND	100	50-120			
Dimethoate	4.03	0.20	ug/l	5.06	ND	80	50-120			
Diphenamid	5.16	0.10	ug/l	5.06	ND	102	70-130			
Disulfoton	4.26	0.10	ug/l	5.06	ND	84	50-120			
EPTC	5.68	0.10	ug/l	5.06	ND	112	70-130			
Hexachlorocyclopentadiene	2.52	1.0	ug/l	2.53	ND	100	33-106			
Metolachlor	5.26	0.10	ug/l	5.06	ND	104	60-130			
Metribuzin	4.99	0.10	ug/l	5.06	ND	99	50-120			
Molinate	4.69	0.10	ug/l	5.06	ND	93	70-130			
Prometryn	2.13	0.10	ug/l	5.06	ND	42	30-120			
Simazine	4.28	0.10	ug/l	5.06	ND	85	60-130			
Terbacil	4.55	2.0	ug/l	5.06	ND	90	70-130			
Thiobencarb	4.57	0.10	ug/l	5.06	ND	90	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

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: W2K0830 - EPA 525.2 (Continued)										
Matrix Spike (W2K0830-MS1)	**Source: 2J18018-01**			**Prepared: 11/10/22**	**Analyzed: 11/15/22**					
Trithion	4.28	0.10	ug/l	5.06	ND	85	70-130			
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*5.02*		*ug/l*	*5.06*		*99*	*70-130*			
Perylene-d12	*4.87*		*ug/l*	*5.06*		*96*	*50-120*			
Triphenyl phosphate	*5.51*		*ug/l*	*5.06*		*109*	*70-130*			
Matrix Spike Dup (W2K0830-MSD1)	**Source: 2J18018-01**			**Prepared: 11/10/22**	**Analyzed: 11/15/22**					
Alachlor	8.17	0.10	ug/l	7.58	ND	108	70-130	0.7	30	
Atrazine	4.66	0.10	ug/l	5.05	ND	92	70-130	1	30	
Benzo (a) pyrene	6.06	0.10	ug/l	5.05	ND	120	60-130	9	30	
Bis(2-ethylhexyl)adipate	5.77	5.0	ug/l	5.05	ND	114	70-130	4	30	
Bis(2-ethylhexyl)phthalate	6.20	3.0	ug/l	5.05	ND	123	70-130	8	30	
Bromacil	4.94	0.50	ug/l	5.05	ND	98	70-130	5	30	
Butachlor	5.82	0.10	ug/l	5.05	ND	115	70-130	5	30	
Captan	5.52	1.0	ug/l	5.05	ND	109	70-130	0.5	30	
Chlorpropham	5.36	0.10	ug/l	5.05	ND	106	70-130	0.6	30	
Diazinon	5.10	0.10	ug/l	5.05	ND	101	50-120	0.9	30	
Dimethoate	4.29	0.20	ug/l	5.05	ND	85	50-120	6	30	
Diphenamid	5.33	0.10	ug/l	5.05	ND	106	70-130	3	30	
Disulfoton	4.41	0.10	ug/l	5.05	ND	87	50-120	3	30	
EPTC	5.55	0.10	ug/l	5.05	ND	110	70-130	2	30	
Hexachlorocyclopentadiene	2.45	1.0	ug/l	2.53	ND	97	33-106	3	30	
Metolachlor	5.27	0.10	ug/l	5.05	ND	104	60-130	0.2	30	
Metribuzin	5.00	0.10	ug/l	5.05	ND	99	50-120	0.1	30	
Molinate	4.64	0.10	ug/l	5.05	ND	92	70-130	1	30	
Prometryn	2.07	0.10	ug/l	5.05	ND	41	30-120	3	30	
Simazine	4.21	0.10	ug/l	5.05	ND	83	60-130	2	30	
Terbacil	4.64	2.0	ug/l	5.05	ND	92	70-130	2	30	
Thiobencarb	4.78	0.10	ug/l	5.05	ND	95	70-130	5	30	
Trithion	4.69	0.10	ug/l	5.05	ND	93	70-130	9	30	
Surrogate(s)										
1,3-Dimethyl-2-nitrobenzene	*4.84*		*ug/l*	*5.05*		*96*	*70-130*			
Perylene-d12	*4.84*		*ug/l*	*5.05*		*96*	*50-120*			
Triphenyl phosphate	*5.62*		*ug/l*	*5.05*		*111*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Semivolatile Organics - Low Level by GC/MS SIM Mode

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K0457 - EPA 625.1										
Blank (W2K0457-BLK1)				**Prepared: 11/07/22 Analyzed: 11/12/22**						
1-Methylnaphthalene	ND	0.10	ug/l							
2-Methylnaphthalene	ND	0.10	ug/l							
Acenaphthene	ND	0.10	ug/l							
Acenaphthylene	ND	0.10	ug/l							
Anthracene	ND	0.10	ug/l							
Benzo (a) anthracene	ND	0.10	ug/l							
Benzo (a) pyrene	ND	0.10	ug/l							
Benzo (b) fluoranthene	ND	0.10	ug/l							
Benzo (g,h,i) perylene	ND	0.10	ug/l							
Benzo (k) fluoranthene	ND	0.10	ug/l							
Chrysene	ND	0.10	ug/l							
Dibenzo (a,h) anthracene	ND	0.10	ug/l							
Fluoranthene	ND	0.10	ug/l							
Fluorene	ND	0.10	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.10	ug/l							
Naphthalene	ND	0.10	ug/l							
Phenanthrene	ND	0.10	ug/l							
Pyrene	ND	0.10	ug/l							
Surrogate(s)										
2-Fluorobiphenyl	*15.9*		*ug/l*	*20.0*		*80*	*22-120*			
Nitrobenzene-d5	*14.0*		*ug/l*	*20.0*		*70*	*47-120*			
Terphenyl-d14	*21.5*		*ug/l*	*20.0*		*108*	*44-129*			
LCS (W2K0457-BS1)				**Prepared: 11/07/22 Analyzed: 11/12/22**						
Acenaphthene	16.8	0.10	ug/l	20.0		84	60-132			
Acenaphthylene	17.6	0.10	ug/l	20.0		88	54-126			
Anthracene	17.2	0.10	ug/l	20.0		86	43-120			
Benzo (a) anthracene	18.6	0.10	ug/l	20.0		93	42-133			
Benzo (a) pyrene	13.8	0.10	ug/l	20.0		69	32-148			
Benzo (b) fluoranthene	15.7	0.10	ug/l	20.0		79	42-140			AN-IP
Benzo (g,h,i) perylene	13.7	0.10	ug/l	20.0		69	0.1-195			
Benzo (k) fluoranthene	18.1	0.10	ug/l	20.0		91	25-146			AN-IP
Chrysene	17.0	0.10	ug/l	20.0		85	44-140			
Dibenzo (a,h) anthracene	11.5	0.10	ug/l	20.0		57	0.1-200			
Fluoranthene	17.6	0.10	ug/l	20.0		88	43-121			
Fluorene	18.7	0.10	ug/l	20.0		94	70-120			
Indeno (1,2,3-cd) pyrene	11.4	0.10	ug/l	20.0		57	0.1-151			
Naphthalene	15.2	0.10	ug/l	20.0		76	36-120			
Phenanthrene	16.5	0.10	ug/l	20.0		83	65-120			
Pyrene	17.6	0.10	ug/l	20.0		88	70-120			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Semivolatile Organics - Low Level by GC/MS SIM Mode (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K0457 - EPA 625.1 (Continued)										
LCS (W2K0457-BS1)				**Prepared: 11/07/22**	**Analyzed: 11/12/22**					
Surrogate(s)										
2-Fluorobiphenyl	*17.3*		*ug/l*	*20.0*		*86*	*22-120*			
Nitrobenzene-d5	*14.3*		*ug/l*	*20.0*		*72*	*47-120*			
Terphenyl-d14	*20.2*		*ug/l*	*20.0*		*101*	*44-129*			
LCS Dup (W2K0457-BSD1)				**Prepared: 11/07/22**	**Analyzed: 11/12/22**					
Acenaphthene	15.5	0.10	ug/l	20.0		78	60-132	8	30	
Acenaphthylene	13.7	0.10	ug/l	20.0		68	54-126	25	30	
Anthracene	15.2	0.10	ug/l	20.0		76	43-120	13	30	
Benzo (a) anthracene	17.6	0.10	ug/l	20.0		88	42-133	6	30	
Benzo (a) pyrene	11.7	0.10	ug/l	20.0		59	32-148	17	30	
Benzo (b) fluoranthene	15.3	0.10	ug/l	20.0		77	42-140	2	30	AN-IP
Benzo (g,h,i) perylene	13.4	0.10	ug/l	20.0		67	0.1-195	2	30	
Benzo (k) fluoranthene	17.4	0.10	ug/l	20.0		87	25-146	4	30	AN-IP
Chrysene	16.6	0.10	ug/l	20.0		83	44-140	3	30	
Dibenzo (a,h) anthracene	11.4	0.10	ug/l	20.0		57	0.1-200	0.2	30	
Fluoranthene	17.0	0.10	ug/l	20.0		85	43-121	4	30	
Fluorene	17.6	0.10	ug/l	20.0		88	70-120	6	30	
Indeno (1,2,3-cd) pyrene	11.2	0.10	ug/l	20.0		56	0.1-151	2	30	
Naphthalene	14.2	0.10	ug/l	20.0		71	36-120	6	30	
Phenanthrene	15.7	0.10	ug/l	20.0		79	65-120	5	30	
Pyrene	16.9	0.10	ug/l	20.0		85	70-120	4	30	
Surrogate(s)										
2-Fluorobiphenyl	*16.1*		*ug/l*	*20.0*		*81*	*22-120*			
Nitrobenzene-d5	*15.2*		*ug/l*	*20.0*		*76*	*47-120*			
Terphenyl-d14	*19.5*		*ug/l*	*20.0*		*98*	*44-129*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1130 - EPA 524.2										
Blank (W2K1130-BLK1)				**Prepared & Analyzed: 11/14/22**						
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l				70-130			
1,1,1-Trichloroethane	ND	0.50	ug/l				70-130			
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l				70-130			
1,1,2-Trichloroethane	ND	0.50	ug/l				70-130			
1,1-Dichloroethane	ND	0.50	ug/l				70-130			
1,1-Dichloroethene	ND	0.50	ug/l				70-130			
1,1-Dichloropropene	ND	0.50	ug/l				70-130			
1,2,3-Trichlorobenzene	ND	0.50	ug/l				70-130			
1,2,4-Trichlorobenzene	ND	0.50	ug/l				70-130			
1,2,4-Trimethylbenzene	ND	0.50	ug/l				70-130			
1,2-Dichloroethane	ND	0.50	ug/l				70-130			
1,2-Dichloropropane	ND	0.50	ug/l				70-130			
1,3,5-Trimethylbenzene	ND	0.50	ug/l				70-130			
1,3-Dichloropropane	ND	0.50	ug/l				70-130			
1,3-Dichloropropene, Total	ND	0.50	ug/l				70-130			
2,2-Dichloropropane	ND	0.50	ug/l				70-130			
2-Butanone	ND	5.0	ug/l				70-130			
2-Chlorotoluene	ND	0.50	ug/l				70-130			
2-Hexanone	ND	5.0	ug/l				70-130			
4-Chlorotoluene	ND	0.50	ug/l				70-130			
4-Methyl-2-pentanone	ND	5.0	ug/l				70-130			
Benzene	ND	0.50	ug/l				70-130			
Bromobenzene	ND	0.50	ug/l				70-130			
Bromochloromethane	ND	0.50	ug/l				70-130			
Bromodichloromethane	ND	0.50	ug/l				70-130			
Bromoform	ND	0.50	ug/l				70-130			
Bromomethane	ND	0.50	ug/l				70-130			
Carbon tetrachloride	ND	0.50	ug/l				70-130			
Chlorobenzene	ND	0.50	ug/l				70-130			
Chloroethane	ND	0.50	ug/l				70-130			
Chloroform	ND	0.50	ug/l				70-130			
Chloromethane	ND	0.50	ug/l				70-130			
cis-1,2-Dichloroethene	ND	0.50	ug/l				70-130			
cis-1,3-Dichloropropene	ND	0.50	ug/l				70-130			
Dibromochloromethane	ND	0.50	ug/l				70-130			
Dibromomethane	ND	0.50	ug/l				70-130			
Dichlorodifluoromethane (Freon 12)	ND	0.50	ug/l				70-130			
Di-isopropyl ether	ND	2.0	ug/l				70-130			
Ethyl tert-butyl ether	ND	2.0	ug/l				70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1130 - EPA 524.2 (Continued)										
Blank (W2K1130-BLK1)				**Prepared & Analyzed: 11/14/22**						
Ethylbenzene	ND	0.50	ug/l				70-130			
Freon 113	ND	5.0	ug/l				70-130			
Hexachlorobutadiene	ND	0.50	ug/l				70-130			
Isopropylbenzene	ND	0.50	ug/l				70-130			
m,p-Xylene	ND	0.50	ug/l				70-130			
m-Dichlorobenzene	ND	0.50	ug/l				70-130			
Methyl tert-butyl ether (MTBE)	ND	2.0	ug/l				70-130			
Methylene chloride	ND	0.50	ug/l				70-130			
Naphthalene	ND	0.50	ug/l				70-130			
n-Butylbenzene	ND	0.50	ug/l				70-130			
n-Propylbenzene	ND	0.50	ug/l				70-130			
o-Dichlorobenzene	ND	0.50	ug/l				70-130			
o-Xylene	ND	0.50	ug/l				70-130			
p-Dichlorobenzene	ND	0.50	ug/l				70-130			
p-Isopropyltoluene	ND	0.50	ug/l				70-130			
sec-Butylbenzene	ND	0.50	ug/l				70-130			
Styrene	ND	0.50	ug/l				70-130			
Tert-amyl methyl ether	ND	2.0	ug/l				70-130			
tert-Butylbenzene	ND	0.50	ug/l				70-130			
Tetrachloroethene	ND	0.50	ug/l				70-130			
THMs, Total	ND	0.50	ug/l				70-130			
Toluene	ND	0.50	ug/l				70-130			
trans-1,2-Dichloroethene	ND	0.50	ug/l				70-130			
trans-1,3-Dichloropropene	ND	0.50	ug/l				70-130			
Trichloroethene	ND	0.50	ug/l				70-130			
Trichlorofluoromethane	ND	0.50	ug/l				70-130			
Vinyl chloride	ND	0.50	ug/l				70-130			
Xylenes, Total	ND	0.50	ug/l				70-130			
Surrogate(s)										
1,2-Dichlorobenzene-d4	*8.44*		*ug/l*	*10.0*		*84*	*70-130*			
4-Bromofluorobenzene	*8.04*		*ug/l*	*10.0*		*80*	*70-130*			
LCS (W2K1130-BS1)				**Prepared & Analyzed: 11/14/22**						
1,1,1,2-Tetrachloroethane	4.97	0.50	ug/l	5.00		99	70-130			
1,1,1-Trichloroethane	5.29	0.50	ug/l	5.00		106	70-130			
1,1,2,2-Tetrachloroethane	5.88	0.50	ug/l	5.00		118	70-130			
1,1,2-Trichloroethane	5.11	0.50	ug/l	5.00		102	70-130			
1,1-Dichloroethane	4.17	0.50	ug/l	5.00		83	70-130			
1,1-Dichloroethene	3.57	0.50	ug/l	5.00		71	70-130			
1,1-Dichloropropene	5.32	0.50	ug/l	5.00		106	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1130 - EPA 524.2 (Continued)										
LCS (W2K1130-BS1)				**Prepared & Analyzed: 11/14/22**						
1,2,3-Trichlorobenzene	4.86	0.50	ug/l	5.00		97	70-130			
1,2,4-Trichlorobenzene	4.82	0.50	ug/l	5.00		96	70-130			
1,2,4-Trimethylbenzene	4.73	0.50	ug/l	5.00		95	70-130			
1,2-Dichloroethane	5.27	0.50	ug/l	5.00		105	70-130			
1,2-Dichloropropane	5.21	0.50	ug/l	5.00		104	70-130			
1,3,5-Trimethylbenzene	4.65	0.50	ug/l	5.00		93	70-130			
1,3-Dichloropropane	5.17	0.50	ug/l	5.00		103	70-130			
2,2-Dichloropropane	5.13	0.50	ug/l	5.00		103	70-130			
2-Butanone	5.39	5.0	ug/l	5.00		108	70-130			
2-Chlorotoluene	5.55	0.50	ug/l	5.00		111	70-130			
2-Hexanone	4.92	5.0	ug/l	5.00		98	70-130			
4-Chlorotoluene	5.75	0.50	ug/l	5.00		115	70-130			
4-Methyl-2-pentanone	4.98	5.0	ug/l	5.00		100	70-130			
Benzene	5.40	0.50	ug/l	5.00		108	70-130			
Bromobenzene	5.06	0.50	ug/l	5.00		101	70-130			
Bromochloromethane	4.96	0.50	ug/l	5.00		99	70-130			
Bromodichloromethane	4.87	0.50	ug/l	5.00		97	70-130			
Bromoform	4.74	0.50	ug/l	5.00		95	70-130			
Bromomethane	4.58	0.50	ug/l	5.00		92	70-130			
Carbon tetrachloride	5.28	0.50	ug/l	5.00		106	70-130			
Chlorobenzene	4.80	0.50	ug/l	5.00		96	70-130			
Chloroethane	5.50	0.50	ug/l	5.00		110	70-130			
Chloroform	5.45	0.50	ug/l	5.00		109	70-130			
Chloromethane	5.11	0.50	ug/l	5.00		102	70-130			
cis-1,2-Dichloroethene	5.35	0.50	ug/l	5.00		107	70-130			
cis-1,3-Dichloropropene	4.66	0.50	ug/l	5.00		93	70-130			
Dibromochloromethane	4.80	0.50	ug/l	5.00		96	70-130			
Dibromomethane	4.72	0.50	ug/l	5.00		94	70-130			
Dichlorodifluoromethane (Freon 12)	4.33	0.50	ug/l	5.00		87	70-130			
Di-isopropyl ether	16.9	2.0	ug/l	20.0		85	70-130			
Ethyl tert-butyl ether	22.4	2.0	ug/l	20.0		112	70-130			
Ethylbenzene	4.56	0.50	ug/l	5.00		91	70-130			
Freon 113	3.55	5.0	ug/l	5.00		71	70-130			
Hexachlorobutadiene	4.71	0.50	ug/l	5.00		94	70-130			
Isopropylbenzene	4.70	0.50	ug/l	5.00		94	70-130			
m,p-Xylene	5.06	0.50	ug/l	5.00		101	70-130			
m-Dichlorobenzene	5.30	0.50	ug/l	5.00		106	70-130			
Methyl tert-butyl ether (MTBE)	15.2	2.0	ug/l	20.0		76	70-130			
Methylene chloride	3.68	0.50	ug/l	5.00		74	70-130			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1130 - EPA 524.2 (Continued)										
LCS (W2K1130-BS1)				**Prepared & Analyzed: 11/14/22**						
Naphthalene	4.29	0.50	ug/l	5.00		86	70-130			
n-Butylbenzene	4.66	0.50	ug/l	5.00		93	70-130			
n-Propylbenzene	5.41	0.50	ug/l	5.00		108	70-130			
o-Dichlorobenzene	5.21	0.50	ug/l	5.00		104	70-130			
o-Xylene	4.62	0.50	ug/l	5.00		92	70-130			
p-Dichlorobenzene	5.28	0.50	ug/l	5.00		106	70-130			
p-Isopropyltoluene	4.71	0.50	ug/l	5.00		94	70-130			
sec-Butylbenzene	4.92	0.50	ug/l	5.00		98	70-130			
Styrene	4.26	0.50	ug/l	5.00		85	70-130			
Tert-amyl methyl ether	23.5	2.0	ug/l	20.0		117	70-130			
tert-Butylbenzene	4.98	0.50	ug/l	5.00		100	70-130			
Tetrachloroethene	4.52	0.50	ug/l	5.00		90	70-130			
Toluene	4.75	0.50	ug/l	5.00		95	70-130			
trans-1,2-Dichloroethene	3.86	0.50	ug/l	5.00		77	70-130			
trans-1,3-Dichloropropene	4.70	0.50	ug/l	5.00		94	70-130			
Trichloroethene	4.61	0.50	ug/l	5.00		92	70-130			
Trichlorofluoromethane	5.00	0.50	ug/l	5.00		100	70-130			
Vinyl chloride	5.47	0.50	ug/l	5.00		109	70-130			
Surrogate(s)										
1,2-Dichlorobenzene-d4	*11.2*		*ug/l*	*10.0*		*112*	*70-130*			
4-Bromofluorobenzene	*10.8*		*ug/l*	*10.0*		*108*	*70-130*			
LCS Dup (W2K1130-BSD1)				**Prepared & Analyzed: 11/14/22**						
1,1,1,2-Tetrachloroethane	4.67	0.50	ug/l	5.00		93	70-130	6	30	
1,1,1-Trichloroethane	4.17	0.50	ug/l	5.00		83	70-130	24	30	
1,1,2,2-Tetrachloroethane	5.54	0.50	ug/l	5.00		111	70-130	6	30	
1,1,2-Trichloroethane	5.05	0.50	ug/l	5.00		101	70-130	1	30	
1,1-Dichloroethane	3.78	0.50	ug/l	5.00		76	70-130	10	30	
1,1-Dichloroethene	3.63	0.50	ug/l	5.00		73	70-130	2	30	
1,1-Dichloropropene	4.11	0.50	ug/l	5.00		82	70-130	26	30	
1,2,3-Trichlorobenzene	4.69	0.50	ug/l	5.00		94	70-130	4	30	
1,2,4-Trichlorobenzene	4.46	0.50	ug/l	5.00		89	70-130	8	30	
1,2,4-Trimethylbenzene	4.37	0.50	ug/l	5.00		87	70-130	8	30	
1,2-Dichloroethane	4.38	0.50	ug/l	5.00		88	70-130	18	30	
1,2-Dichloropropane	5.12	0.50	ug/l	5.00		102	70-130	2	30	
1,3,5-Trimethylbenzene	4.25	0.50	ug/l	5.00		85	70-130	9	30	
1,3-Dichloropropane	4.98	0.50	ug/l	5.00		100	70-130	4	30	
2,2-Dichloropropane	3.61	0.50	ug/l	5.00		72	70-130	35	30	Q-12
2-Butanone	4.02	5.0	ug/l	5.00		80	70-130	29	30	
2-Chlorotoluene	5.09	0.50	ug/l	5.00		102	70-130	9	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1130 - EPA 524.2 (Continued)										
LCS Dup (W2K1130-BSD1)				**Prepared & Analyzed: 11/14/22**						
2-Hexanone	4.85	5.0	ug/l	5.00		97	70-130	1	30	
4-Chlorotoluene	5.33	0.50	ug/l	5.00		107	70-130	8	30	
4-Methyl-2-pentanone	4.88	5.0	ug/l	5.00		98	70-130	2	30	
Benzene	4.33	0.50	ug/l	5.00		87	70-130	22	30	
Bromobenzene	4.75	0.50	ug/l	5.00		95	70-130	6	30	
Bromochloromethane	3.69	0.50	ug/l	5.00		74	70-130	29	30	
Bromodichloromethane	4.66	0.50	ug/l	5.00		93	70-130	4	30	
Bromoform	4.64	0.50	ug/l	5.00		93	70-130	2	30	
Bromomethane	3.52	0.50	ug/l	5.00		70	70-130	26	30	
Carbon tetrachloride	4.36	0.50	ug/l	5.00		87	70-130	19	30	
Chlorobenzene	4.60	0.50	ug/l	5.00		92	70-130	4	30	
Chloroethane	4.63	0.50	ug/l	5.00		93	70-130	17	30	
Chloroform	3.99	0.50	ug/l	5.00		80	70-130	31	30	Q-12
Chloromethane	5.58	0.50	ug/l	5.00		112	70-130	9	30	
cis-1,2-Dichloroethene	3.82	0.50	ug/l	5.00		76	70-130	33	30	Q-12
cis-1,3-Dichloropropene	4.54	0.50	ug/l	5.00		91	70-130	3	30	
Dibromochloromethane	4.49	0.50	ug/l	5.00		90	70-130	7	30	
Dibromomethane	4.63	0.50	ug/l	5.00		93	70-130	2	30	
Dichlorodifluoromethane (Freon 12)	4.19	0.50	ug/l	5.00		84	70-130	3	30	
Di-isopropyl ether	14.9	2.0	ug/l	20.0		75	70-130	13	30	
Ethyl tert-butyl ether	16.1	2.0	ug/l	20.0		80	70-130	33	30	Q-12
Ethylbenzene	4.24	0.50	ug/l	5.00		85	70-130	7	30	
Freon 113	3.52	5.0	ug/l	5.00		70	70-130	0.7	30	
Hexachlorobutadiene	4.23	0.50	ug/l	5.00		85	70-130	11	30	
Isopropylbenzene	4.32	0.50	ug/l	5.00		86	70-130	8	30	
m,p-Xylene	4.67	0.50	ug/l	5.00		93	70-130	8	30	
m-Dichlorobenzene	5.02	0.50	ug/l	5.00		100	70-130	6	30	
Methyl tert-butyl ether (MTBE)	14.6	2.0	ug/l	20.0		73	70-130	4	30	
Methylene chloride	3.67	0.50	ug/l	5.00		73	70-130	0.2	30	
Naphthalene	4.20	0.50	ug/l	5.00		84	70-130	2	30	
n-Butylbenzene	4.19	0.50	ug/l	5.00		84	70-130	11	30	
n-Propylbenzene	4.93	0.50	ug/l	5.00		99	70-130	9	30	
o-Dichlorobenzene	4.94	0.50	ug/l	5.00		99	70-130	5	30	
o-Xylene	4.34	0.50	ug/l	5.00		87	70-130	6	30	
p-Dichlorobenzene	5.02	0.50	ug/l	5.00		100	70-130	5	30	
p-Isopropyltoluene	4.27	0.50	ug/l	5.00		85	70-130	10	30	
sec-Butylbenzene	4.51	0.50	ug/l	5.00		90	70-130	9	30	
Styrene	4.06	0.50	ug/l	5.00		81	70-130	5	30	
Tert-amyl methyl ether	19.1	2.0	ug/l	20.0		96	70-130	20	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Quality Control Results

(Continued)

Volatile Organic Compounds by P&T and GC/MS (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2K1130 - EPA 524.2 (Continued)										
LCS Dup (W2K1130-BSD1)				**Prepared & Analyzed: 11/14/22**						
tert-Butylbenzene	4.53	0.50	ug/l	5.00		91	70-130	9	30	
Tetrachloroethene	4.24	0.50	ug/l	5.00		85	70-130	6	30	
Toluene	4.64	0.50	ug/l	5.00		93	70-130	2	30	
trans-1,2-Dichloroethene	3.72	0.50	ug/l	5.00		74	70-130	4	30	
trans-1,3-Dichloropropene	4.63	0.50	ug/l	5.00		93	70-130	2	30	
Trichloroethene	4.35	0.50	ug/l	5.00		87	70-130	6	30	
Trichlorofluoromethane	3.70	0.50	ug/l	5.00		74	70-130	30	30	
Vinyl chloride	5.03	0.50	ug/l	5.00		101	70-130	8	30	
Surrogate(s)										
1,2-Dichlorobenzene-d4	*10.6*		*ug/l*	*10.0*		*106*	*70-130*			
4-Bromofluorobenzene	*10.3*		*ug/l*	*10.0*		*103*	*70-130*			

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: W2K1074 - EPA 524.3										
Blank (W2K1074-BLK1)				**Prepared & Analyzed: 11/14/22**						
1,2-Dibromo-3-chloropropane	ND	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.020	ug/l							
Surrogate(s)										
1,2-Dichlorobenzene-d4	*0.400*		*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.403*		*ug/l*	*0.400*		*101*	*70-130*			
LCS (W2K1074-BS1)				**Prepared & Analyzed: 11/14/22**						
1,2-Dibromo-3-chloropropane	0.0512	0.010	ug/l	0.0500		102	70-130			
1,2-Dibromoethane (EDB)	0.0547	0.020	ug/l	0.0500		109	70-130			
Surrogate(s)										
1,2-Dichlorobenzene-d4	*0.398*		*ug/l*	*0.400*		*99*	*70-130*			
4-Bromofluorobenzene	*0.400*		*ug/l*	*0.400*		*100*	*70-130*			
Matrix Spike (W2K1074-MS1)	**Source: 2J18018-01**			**Prepared: 11/14/22**	**Analyzed: 11/15/22**					
1,2-Dibromo-3-chloropropane	0.0528	0.010	ug/l	0.0500	ND	106	65-135			
1,2-Dibromoethane (EDB)	0.0540	0.020	ug/l	0.0500	ND	108	65-135			
Surrogate(s)										
1,2-Dichlorobenzene-d4	*0.402*		*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.397*		*ug/l*	*0.400*		*99*	*70-130*			
Matrix Spike Dup (W2K1074-MSD1)	**Source: 2J18018-01**			**Prepared: 11/14/22**	**Analyzed: 11/15/22**					
1,2-Dibromo-3-chloropropane	0.0508	0.010	ug/l	0.0500	ND	102	65-135	4	30	
1,2-Dibromoethane (EDB)	0.0551	0.020	ug/l	0.0500	ND	110	65-135	2	30	
Surrogate(s)										
1,2-Dichlorobenzene-d4	*0.400*		*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.397*		*ug/l*	*0.400*		*99*	*70-130*			

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22K0124

Project Manager: Stephen Berentsen

Reported:
12/09/2022 16:10

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
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.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-02	The RPD was outside of QC acceptance limits due to possible matrix interference.
U-01	The sample was received without the proper preservation.
%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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

CERES Analytical Laboratory, Inc.
4919 Windplay Dr, Suite 1, El Dorado Hills, CA 95762

November 25, 2022 Ceres ID: 15863

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one waste water sample received on November 9, 2022. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613. Routine turn-around time was provided for this work.

This work was authorized under Pat-Chem Laboratories' Project # 22K0124.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

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
15863-001	22K0124-01	11/9/2022	11/3/2022	11:15

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**		**Date Received:** NA
	QC Batch #: 2766	**Date Extracted:** 11/23/2022
	Matrix: Waste Water	**Date Analyzed:** 11/24/2022
Project ID: 22K0124	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.65	0.772	5.00		13C-2378-TCDD	81.6	31-137	
					CRS			
					37Cl4-2378-TCDD	86.1	35-197	

DL - Signifies Non-Detect (ND<) 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 #: 2766	**Date Extracted:** 11/23/2022
	Matrix: Waste Water	**Date Analyzed:** 11/24/2022
Project ID: 22K0124	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.16	7.3-14.6	13C-2378-TCDD	82.7	25-141
			CRS		
			37Cl4-2378-TCDD	82.0	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: 22K0124-01		
Project ID: 22K0124	**Ceres Sample ID:** 15863-001	**Date Received:** 11/9/2022
	QC Batch #: 2766	**Date Extracted:** 11/23/2022
Date Collected: 11/3/2022	**Matrix:** Waste Water	**Date Analyzed:** 11/24/2022
Time Collected: 11:15	**Sample Size:** 0.968 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.97	0.772	5.00		13C-2378-TCDD	90.2	31-137	
					CRS			
					37Cl4-2378-TCDD	92.3	42-164	

DL - Signifies Non-Detect (ND<) 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

22K0124

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: 22K0124-01	WASTE Water	**Sampled:03-Nov-22 11:15**	[redacted]	**IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Su	18-Nov-22 12:00	10-Nov-22 11:15		
Containers Supplied:				

Released By — Date: NOV 07 2022 — Received By — Date: 11/9/22 10:10

Released By — Date — Received By — Date

Sample Receipt Check List Logged by: J (initials)

Ceres ID: 15863	Date/Time: 11/9/22 10:10
Client Project ID: 22K0124	Received Temp: 2.4 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N) / NA
Aqueous sample pH: 6.5	NA

List COC discrepancies:

J 11/9/22

List Damaged Samples:

J 11/9/22

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

December 6, 2022

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Subject: Subcontract Analysis for FGL Lab No. SP 2217613

Enclosed please find results for the following sample(s) which were received by FGL.

- Sub Contracted-Strontium 90 by EPA 905.0

Please note that this analysis was performed by Eberline Analytical

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2022-12-06

Enclosure

EBERLINE ANALYTICAL

EBERLINE ANALYTICAL CORPORATION
601 SCARBORO ROAD
OAK RIDGE, TENNESSEE 37830
PHONE (865) 481-0683
FAX (865) 483-4621

EBS-OR- 50458

December 6, 2022

Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St
Santa Paula, CA 93060-3005

CASE NARRATIVE
CWB accredited – Lab ID 9257348
Work Order # 22-11047-OR

SAMPLE RECEIPT

This work order contains one water sample received 11/10/2022. Sample was analyzed for Strontium-90.

CLIENT ID	LAB ID
22K0124-01	22-11047-04

ANALYTICAL METHODS

Strontium-90 was analyzed using EPA Method 905.0 Modified.

ANALYTICAL RESULTS

Combined Standard Uncertainty is reported at 1-sigma value.

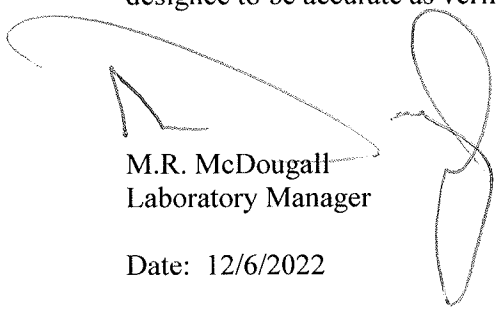
Minimum Detectable Activity (MDA) values for data represented in this report are sample-specific. MDA measurements are determined based on factors and conditions including instrument settings, aliquot size, and matrix type.

STRONTIUM 90

Sample demonstrated acceptable results for all Strontium-90 analyses. Chemical recovery was acceptable for all analyses. The Strontium 90 method blank demonstrated acceptable results. Results for the Strontium-90 duplicate demonstrated a high relative percent difference; however, normalized difference is within acceptable limits for the analytical technique. Results for the Strontium-90 laboratory control sample demonstrated acceptable percent recovery.

CERTIFICATION OF ACCURACY

I certify that this data report complies with the terms and conditions of the Purchase Order, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the cognizant project manager or his/her designee to be accurate as verified by the following signature.



M.R. McDougall
Laboratory Manager

Date: 12/6/2022

Eberline Analytical wants and encourages your feedback regarding our performance providing radioanalytical services. Please visit http://eberlineanalytical.com/ to provide us with feedback on our services.

Eberline Analytical
Final Report of Analysis

Report To:		Work Order Details:	
Cindy Aguirre		SDG:	22-11047
FGL Environmental, Inc.		Purchase Order:	SP 2217613
853 Corporation St		Analysis Category:	ENVIRONMENTAL
Santa Paula, CA 93060-3005		Sample Matrix:	WA

Lab ID	Sample Type	Client ID	Sample Date	Receipt Date	Analysis Date	Batch ID	Analyte	Method	Result	CU	CSU	MDA	Report Units
22-11047-01	LCS	KNOWN	11/10/22 00:00	11/10/2022	11/28/2022	22-11047	Strontium-90	EPA 905.0	5.05E+01	2.83E-01			pCi/l
22-11047-01	LCS	SPIKE	11/10/22 00:00	11/10/2022	11/28/2022	22-11047	Strontium-90	EPA 905.0	5.33E+01	1.46E+00	7.39E+00	6.73E-01	pCi/l
22-11047-02	MBL	BLANK	11/10/22 00:00	11/10/2022	11/28/2022	22-11047	Strontium-90	EPA 905.0	1.78E-01	3.22E-01	3.23E-01	6.67E-01	pCi/l
22-11047-03	DUP	22K0124-01	11/03/22 11:15	11/10/2022	11/28/2022	22-11047	Strontium-90	EPA 905.0	2.37E-01	5.74E-01	5.75E-01	1.20E+00	pCi/l
22-11047-04	DO	22K0124-01	11/03/22 11:15	11/10/2022	11/28/2022	22-11047	Strontium-90	EPA 905.0	3.95E-01	7.15E-01	7.17E-01	1.48E+00	pCi/l

CU=Counting Uncertainty;CSU=Combined Standard Uncertainty (1-sigma);MDA=Minimal Detected Activity;LCS=Laboratory Control Sample; MBL=Blank; DUP=Duplicate; TRG=Normal Sample; DO=Duplicate Original

EBERLINE ANALYTICAL

EBERLINE ANALYTICAL CORPORATION
601 SCARBORO ROAD OAK RIDGE, TN 37830 865/481-0683 FAX 865/483-4621

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to Eberline Analytical

22-11047

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2217613**
Purchase Order:

Sampler(s): N/A

Compositor Setup Date: Time:

REC'D NOV 10 2022

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (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 by EPA 905.0 250 ml(AGT)								
1	22K0124-01	11/03/2022	11:15	G	W				1								

4

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
[signature]	11/8/22	17:00	UPS	11/10/22	1213			
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
UPS			KBarnhart	11/10/22	1213			

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

January 3, 2023

Lab No. : SP 2217613
Customer No. : 2012670

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Laboratory Report

Introduction: This report package contains a total of 6 pages divided into 3 sections:

Case Narrative	(1 page)	: 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 No.	Matrix
22K0124-01	11/03/2022	11/04/2022	SP 2217613-001	W

Sampling and Receipt Information:

The Sample was received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. The Sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. 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 associated Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to established quality control criteria. Any exceptions are noted in the Quality Control Section of this report.

Test Summary	
EPA 314.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 900.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 903.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA 906.0	Preparation and analysis performed by FGL-Santa Paula (FGL-SP ELAP# 1573)
EPA RA-05	Preparation and analysis performed by FGL-Santa Paula (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 and in the QC Section. 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. This report shall not be reproduced except in full, without the written approval of the laboratory.

KD: MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2023-01-03

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

January 3, 2023

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Description : 22K0124-01
Project : 22K0124

Lab No. : SP 2217613-001
Customer No. : 2012670

Sampled On : November 3, 2022 at 11:15
Sampled By : N/A
Received On : November 4, 2022 at 09:31
Matrix : Water

Sample Results - Inorganic

Constituent	Result	RL	Units	Note	Dil.	DQF	Sample Preparation			Sample Analysis			
Wet Chemistry							Date	Time	Who	Method	Date	Time	Who
Perchlorate	ND	2	ug/L		1	Ul	11/04/2022	17:00	sbl	EPA 314.0	11/04/2022	22:17	sbl

ND=Non-Detected, RL=Reporting 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

January 3, 2023

Pat-Chem Laboratories
Attn: Stephen Sakai
1824 1st St
San Fernando, CA 91340

Description : 22K0124-01
Project : 22K0124

Lab No. : SP 2217613-001
Customer No. : 2012670

Sampled On : November 3, 2022 at 11:15
Sampled By : N/A
Received On : November 4, 2022 at 09:31
Matrix : Water

Sample Results - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	DQF	Sample Preparation			Sample Analysis			
Radio Chemistry						Date	Time	Who	Method	Date	Time	Who
Gross Alpha	3.86 ± 2.13	3.23	pCi/L	15/5	h	11/07/2022	08:00	ejc	EPA 900.0	12/29/2022	15:43	amr
Gross Beta	11.9 ± 1.98	2.34	pCi/L		h	11/07/2022	08:00	ejc	EPA 900.0	12/29/2022	15:43	amr
Total Alpha Radium (226)	-0.191 ± 0.225	0.732	pCi/L			11/29/2022	17:30	emv	EPA 903.0	12/01/2022	11:22	amr
Tritium	161 ± 269	434	pCi/L		h	12/09/2022	07:30	amr	EPA 906.0	12/10/2022	01:16	amr
Ra 228	0.000 ± 0.578	0.624	pCi/L			11/28/2022	18:30	emv	EPA RA-05	12/03/2022	13:50	emv

DQF Flags Definition:
U Constituent results were non-detect.
l The MS/MSD did not meet QC criteria.
h The MS/MSD did not meet QC criteria.

ND=Non-Detected, RL=Reporting Level

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

January 3, 2023
Pat-Chem Laboratories

Lab No. : SP 2217613
Customer No. : 2012670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Gross Alpha	900.0	11/07/2022:212639EJC	Blank	pCi/L		ND	<1.9499	
			LCS	pCi/L	126.7	65.9%	50-135	
			MS	pCi/L	126.7	334%	60-140	435
		(SP 2216277-001)	MSD	pCi/L	126.7	303%	60-140	435
			MSRPD	pCi/L	126.7	9.7%	≤30	
			MS	pCi/L	126.7	361%	60-140	435
		(SP 2216277-003)	MSD	pCi/L	126.7	302%	60-140	435
			MSRPD	pCi/L	126.7	17.4%	≤30	
Gross Beta	900.0	11/07/2022:212639EJC	Blank	pCi/L		ND	<1.8226	
			LCS	pCi/L	21.87	108%	60-126	
			MS	pCi/L	21.87	296%	80-130	435
		(SP 2216277-001)	MSD	pCi/L	21.87	244%	80-130	435
			MSRPD	pCi/L	21.87	19.0%	≤30	
			MS	pCi/L	21.87	264%	80-130	435
		(SP 2216277-003)	MSD	pCi/L	21.87	251%	80-130	435
			MSRPD	pCi/L	21.87	4.5%	≤30	
Total Radium	903.0	11/29/2022:212930EMV	RgBlk	pCi/L		0.098136	0.7315	
			LCS	pCi/L	24.37	103%	52-107	
			BS	pCi/L	24.37	101%	43-111	
			BSD	pCi/L	24.37	103%	43-111	
			BSRPD	pCi/L	24.37	1.7%	≤35.5	
Tritium	906.0	12/09/2022:213884AMR	Blank	pCi/L		ND	<433.74	
			LCS	pCi/L	1446	121%	75-125	
			MS	pCi/L	1446	144%	75-125	435
		(SP 2218524-001)	MSD	pCi/L	1446	106%	75-125	
			MSRPD	pCi/L	1446	27.8%	≤25	435
Radium - 228	Ra - 05	11/28/2022:213183EMV	RgBlk	pCi/L		-0.25	3	
			LRS	pCi/L	11.98	72.7 %	65-108	
			BS	pCi/L	11.98	84.2 %	75-125	
			BSD	pCi/L	11.98	93.4 %	75-125	
			BSRPD	pCi/L	11.98	1.1	≤3	

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

Definition

Blank	:	Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
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.
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.
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 analyted. 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.
RgBlk	:	Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

Explanation

435	:	Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Page 5 of 6

January 3, 2023

Pat-Chem Laboratories

Lab No. : SP 2217613
Customer No. : 2012670

Quality Control - Wet Chem

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	11/04/2022:212615SBL	RgBlk	ug/L		0	2	435
			LCS	ug/L	25.00	86.7%	85-115	
			MS	ug/L	25.00	81.4%	80-120	
		(CC 2284191-001)	MSD	ug/L	25.00	76.9%	80-120	435
			MSRPD	ug/L	25.00	5.7%	≤15	

Definition

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 analyted. 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.

RgBlk : Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.

Explanation

435 : Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Page 6 of 6

SUBCONTRACT ORDER

Pat-Chem Laboratories

22K0124 2217613

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: 22K0124-01	WASTE **Water**	**Sampled:03-Nov-22 11:15**		**IPC [MCC] EFF-Quarterly**
Tritium (Sub)	18-Nov-22 12:00	05-Nov-22 11:15		
Sr-90 (Strontium 90) (Sub)	18-Nov-22 12:00	02-May-23 11:15		
Radium 226 228 (Sub)	18-Nov-22 12:00	02-May-23 11:15		
Perchlorate 314.0 (Sub)	18-Nov-22 12:00	01-Dec-22 11:15		
Gross beta SUB	18-Nov-22 12:00	02-May-23 11:15		
Gross alpha SUB	18-Nov-22 12:00	02-May-23 11:15		
Containers Supplied:				

Released By	Date	Received By	Date
Alex Valdez Jr.	NOV 04 2022	MC	11/4/22 9:31
Released By	Date	Received By	Date

ROI 7

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Eberline Analytical

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

Client: Fruit Growers Laboratory
Address: 853 Corporation St.
Santa Paula, CA 93060-3005

Phone: Fax:
Contact:
Project: **SP 2217613**
Purchase Order:

Sampler(s): N/A

Compositor Setup Date: Time:

Sample Information

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)
1	22K0124-01	11/03/2022	11:15	G	W			

Test Description(s)

Sub Contracted-Strontium 90 by EPA 905.0 250 ml(AGT)								
1								

Remarks	Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
	Received By:	Date	Time	Received By:	Date	Time	Received By:	Date	Time

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

Condition Upon Receipt (Attach to COC) SP 2217613

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **7C** / _____ / _____ / _____ / _____ / _____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**	
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Matthew Casas** Digitally signed by Matthew Casas Title: Sample Receiving Date: 11/04/2022-16:15:25

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2217613
MDC-11/04/2022-16:15:25

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0124

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Quarterly

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	11/3/22	11:45	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 Vials	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			2	547 Glyphosate **(Sub-Out)**	Grab	AQ	Vials Amber	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L P Amber	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
NOV 03 2022

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	11/3/22	11:45
Received by		Cindy Nguyen	11/3/22	1256
Relinquished by		Edwin Gonzalez	11/3/22	15:00
Received by				
Relinquished by				
Received in lab by		Alex Wallington	NOV 03 2022	1560

Sample Received Checklist

Temperature upon receipt: 4° C

# of bottles agrees with COC?	Yes 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22K0124

Customer: IPC - Integrated Performance Consultants, Inc.
Project: (MCC) EFF - Quarterly
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 EC =
EFF	11/3/22	11:15	4	Radium-226 & 228 (Sub-Out) Gross Alpha, Gross Beta	Grab	AQ	1L P	4°C	7.5 / 24.4°C
			1	Strontium-90 (Sub-Out)	Grab	AQ	1L P	4°C	
			1	Tritium (Sub-Out)	Grab	AQ	125ml Glass	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	
			1	Asbestos (Sub-Out)	Grab	AQ	1L G	4°C	
			1	8321 Carbamates (Sub-out)	Grab	AQ	125ml Amber	4°C	

RECEIVED
NOV 03 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	11/3/22	11:45
Received by		Cindy Murray	11-3-22	1145
Relinquished by		Edwin Gonzalez	11-3	15:00
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr.	NOV 03 2022	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: 01-Apr-22 15:43
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0515-01) Collected: 19-Jan-22 By CA of IPC							
Inorganic Constituents							
Silver	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**<0.2 ug/l**	
Arsenic	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**0.7 ug/l**	
Beryllium	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**<0.2 ug/l**	
Cadmium	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**2.7 ug/l**	
Copper	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**1.1 ug/l**	
Cyanide (total)	SM 4500-CN-E	AA22550	0.0040	25-Jan-22	25-Jan-22	**0.0070 mg/l**	
Mercury	EPA 245.1	AA22131	0.20	21-Jan-22	21-Jan-22	**<0.20 ug/l**	
Nickel	EPA 200.8	AA22444	0.5	24-Jan-22	27-Jan-22	**4.3 ug/l**	
Lead	EPA 200.8	AA22444	0.2	24-Jan-22	27-Jan-22	**<0.2 ug/l**	
Antimony	EPA 200.8	AA22444	1.0	24-Jan-22	27-Jan-22	**<1.0 ug/l**	
Selenium	EPA 200.8	AA22444	2.0	24-Jan-22	27-Jan-22	**<2.0 ug/l**	
Thallium	EPA 200.8	AA22444	1.0	24-Jan-22	27-Jan-22	**<1.0 ug/l**	
Zinc	EPA 200.8	AA22444	1.0	24-Jan-22	27-Jan-22	**15 ug/l**	
Base/Neutral and Acid Extractables							
Acenaphthene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Acenaphthylene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Anthracene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Benzidine	EPA 625.1	AA21857	10.0	18-Jan-22	26-Jan-22	**<10.0 ug/l**	
Benzo (a) anthracene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Benzo (a) pyrene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Benzo (b) fluoranthene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Benzo (g,h,i) perylene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Benzo (k) fluoranthene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Bis(2-chloroethoxy)methane	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Bis(2-choroethyl)ether	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	

Respectfully Submitted,



Stephen Sakai 4/1/2022
Lab 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: 01-Apr-22 15:43
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0515-01) Collected: 19-Jan-22 By CA of IPC							
Base/Neutral and Acid Extractables							
Bis(2-chloroisopropyl)ether	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Bis(2-ethylhexyl)phthalate	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
4-Bromophenyl phenyl ether	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Benzyl Butyl Phthalate	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
2-Chloronaphthalene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
4-Chlorophenyl phenyl ether	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Chrysene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Dibenzo (a,h) anthracene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
3,3´-Dichlorobenzidine	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Diethyl phthalate	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Dimethyl phthalate	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Di-n-butyl phthalate	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
2,4-Dinitrotoluene	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
2,6-Dinitrotoluene	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
Di-n-octyl phthalate	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**7.6 ug/l**	
1,2-Diphenylhydrazine (Azobenzene)	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Fluoranthene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Fluorene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Hexachlorobenzene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Hexachlorobutadiene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Hexachlorocyclopentadiene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Hexachloroethane	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Indeno (1,2,3-cd) pyrene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Isophorone	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Naphthalene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Nitrobenzene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	

Respectfully Submitted,



Stephen Sakai 4/1/2022
Lab 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: 01-Apr-22 15:43
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0515-01) Collected: 19-Jan-22 By CA of IPC							
Base/Neutral and Acid Extractables							
N-Nitrosodimethylamine	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
N-Nitrosodi-n-propylamine	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
N-Nitrosodiphenylamine	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Phenanthrene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
Pyrene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
1,2,4-Trichlorobenzene	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
2-Chlorophenol	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
2,4-Dichlorophenol	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
2,4-Dimethylphenol	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
4,6-Dinitro-2-methylphenol	EPA 625.1	AA21857	10.0	18-Jan-22	26-Jan-22	**<10.0 ug/l**	
2,4-Dinitrophenol	EPA 625.1	AA21857	10.0	18-Jan-22	26-Jan-22	**<10.0 ug/l**	
2-Nitrophenol	EPA 625.1	AA21857	2.0	18-Jan-22	26-Jan-22	**<2.0 ug/l**	
4-Nitrophenol	EPA 625.1	AA21857	10.0	18-Jan-22	26-Jan-22	**<10.0 ug/l**	
4-Chloro-3-methylphenol	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
Pentachlorophenol	EPA 625.1	AA21857	10.0	18-Jan-22	26-Jan-22	**<10.0 ug/l**	
Phenol	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
2,4,6-Trichlorophenol	EPA 625.1	AA21857	5.0	18-Jan-22	26-Jan-22	**<5.0 ug/l**	
Surrogate: 2-Fluorophenol	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*23.4 % (13.6-74)*	
Surrogate: Phenol-d6	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*16.5 % (8-65)*	
Surrogate: 2-Chlorophenol-d4	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*42.2 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*47.6 % (30-106)*	
Surrogate: Nitrobenzene-d5	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*58.5 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*57.1 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*46.8 % (19-155)*	
Surrogate: p-Terphenyl-d14	EPA 625.1	AA21857		18-Jan-22	26-Jan-22	*58.2 % (33-149)*	
Volatile Organics							
Acrolein	EPA 624.1	AA22732	5.0	27-Jan-22	27-Jan-22	**<5.0 ug/l**	

Respectfully Submitted,

Stephen Sakai 4/1/2022
Lab 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: 01-Apr-22 15:43
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0515-01) Collected: 19-Jan-22 By CA of IPC							
Volatile Organics							
Acrylonitrile	EPA 624.1	AA22732	5.0	27-Jan-22	27-Jan-22	**<5.0 ug/l**	
Benzene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Bromoform	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Carbon tetrachloride	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Chlorobenzene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Dibromochloromethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Chloroethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
2-Chloroethylvinyl ether	EPA 624.1	AA22732	5.0	27-Jan-22	27-Jan-22	**<5.0 ug/l**	
Chloroform	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**14.2 ug/l**	
Bromodichloromethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**8.4 ug/l**	
1,2-Dichlorobenzene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,3-Dichlorobenzene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,4-Dichlorobenzene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,1-Dichloroethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,2-Dichloroethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,1-Dichloroethylene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,2-Dichloropropane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
cis-1,3-Dichloropropene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
trans-1,3-Dichloropropene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Ethylbenzene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Methyl Bromide (Bromomethane)	EPA 624.1	AA22732	2.0	27-Jan-22	27-Jan-22	**<2.0 ug/l**	
Methyl Chloride (Chloromethane)	EPA 624.1	AA22732	2.0	27-Jan-22	27-Jan-22	**<2.0 ug/l**	
Methylene chloride (Dichloromethane)	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Tetrachloroethylene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Toluene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	

Respectfully Submitted,



Stephen Sakai 4/1/2022
Lab 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: 01-Apr-22 15:43
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0515-01) Collected: 19-Jan-22 By CA of IPC							
Volatile Organics							
trans-1,2-Dichloroethylene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,1,1-Trichloroethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
1,1,2-Trichloroethane	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Trichloroethylene	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Vinyl chloride	EPA 624.1	AA22732	1.0	27-Jan-22	27-Jan-22	**<1.0 ug/l**	
Surrogate: Dibromofluoromethane	EPA 624.1	AA22732		27-Jan-22	27-Jan-22	*116 % (70-130)*	
Surrogate: Toluene-d8	EPA 624.1	AA22732		27-Jan-22	27-Jan-22	*104 % (70-130)*	
Surrogate: Bromofluorobenzene	EPA 624.1	AA22732		27-Jan-22	27-Jan-22	*92.8 % (70-130)*	
Organochlorine Pesticides and PCBs							
Aldrin	EPA 608.3	AA22455	0.005	24-Jan-22	11-Feb-22	**<0.005 ug/l**	
alpha-BHC	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
beta-BHC	EPA 608.3	AA22455	0.005	24-Jan-22	11-Feb-22	**<0.005 ug/l**	
gamma-BHC (Lindane)	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
delta-BHC	EPA 608.3	AA22455	0.005	24-Jan-22	11-Feb-22	**<0.005 ug/l**	
Chlordane	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
4,4´-DDT	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
4,4´-DDE	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
4,4´-DDD	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Dieldrin	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
alpha-Endosulfan (I)	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
beta-Endosulfan (II)	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Endosulfan Sulfate	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Endrin	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Endrin Aldehyde	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Heptachlor	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 608.3	AA22455	0.01	24-Jan-22	11-Feb-22	**<0.01 ug/l**	
Aroclor 1016 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	

Respectfully Submitted,

Stephen Sakai 4/1/2022
Lab 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: 01-Apr-22 15:43
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0515-01) Collected: 19-Jan-22 By CA of IPC							
Organochlorine Pesticides and PCBs							
Aroclor 1221 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Toxaphene	EPA 608.3	AA22455	0.1	24-Jan-22	11-Feb-22	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 608.3	AA22455		24-Jan-22	11-Feb-22	*80.5 % (31.3-103)*	
Surrogate: Decachlorobiphenyl	EPA 608.3	AA22455		24-Jan-22	11-Feb-22	*95.0 % (13.5-142)*	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 4/1/2022
Lab Director

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 322201430
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Berentsen
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Received: 01/20/2022
Analyzed: 02/02/2022

Proj: 22A0515

Test Report: Determination of Asbestos Structures ≥ 0.5 µm & > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS					
						Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
									MFL (million fibers per liter)	
22A0515 322201430-0001	1/20/2022 05:20 PM	1	1288	0.2580	≥ 0.5 µm	Chrysotile	17	5.00	85.00	49.00 - 140.00
					> 10 µm only	Chrysotile	2	5.00	10.00	1.20 - 36.00

Collection Date/Time: 01/19/2022 11:25 AM

Analyst(s)
Kyeong Corbin (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 02/02/2022 12:10:55

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	2A21065	**Report Date:**	2/08/2022
		Received Date:	1/21/2022
Project:	22A0515	**Turnaround Time:**	Normal
		Phones:	(818) 639-5300
		Fax:	(818) 639-5306
		P.O. #:	COD TERMS
Attn:	Stephen Berentsen	**Billing Code:**	
Client:	Pat-Chem Laboratories, Inc. 1824 1st Street San Fernando, CA 91340		

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 1/21/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.8 °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:



Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0515

Project Manager: Stephen Berentsen

Reported:
02/08/2022 11:34

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
22A0515-01	Client	2A21065-01	Water	01/19/22 11:25	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 521 in Water			
N-Nitrosodimethylamine	62-75-9	✓	
NDMA-d6		✓	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0515

Project Manager: Stephen Berentsen

Reported: 02/08/2022 11:34

Sample Results

Sample: 22A0515-01 — Sampled: 01/19/22 11:25 by Client

2A21065-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Hormones by LC/MSMS-APCI						
Method: EPA 1694M-APCI		**Instr:** LCMS03				
Batch ID: W2A1723 **Preparation:** EPA 3535/SPE		**Prepared:** 01/26/22 10:15				**Analyst:** jna
17-b-Estradiol	ND	4.0	ng/l	1	01/26/22	U-01
PPCPs - Pharmaceuticals by LC/MSMS-ESI-						
Method: EPA 1694M-ESI-		**Instr:** LCMS03				
Batch ID: W2A1722 **Preparation:** EPA 3535/SPE		**Prepared:** 01/26/22 10:15				**Analyst:** jna
Triclosan	ND	8.0	ng/l	1	01/27/22	U-01
PPCPs - Pharmaceuticals by LC/MSMS-ESI+						
Method: EPA 1694M-ESI+		**Instr:** LCMS03				
Batch ID: W2A1721 **Preparation:** EPA 3535/SPE		**Prepared:** 01/26/22 10:13				**Analyst:** jna
Caffeine	**69**	4.0	ng/l	1	01/26/22	U-01
DEET	**26**	4.0	ng/l	1	01/26/22	U-01

Sample Results

Sample: 22A0515-01 — Sampled: 01/19/22 11:25 by Client

2A21065-01RE1 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Nitrosamines by CI GC/MS/MS, EPA 521						
Method: EPA 521		**Instr:** GCMS09				
Batch ID: W2A1948 **Preparation:** EPA 521/SPE		**Prepared:** 01/31/22 09:01				**Analyst:** mld
N-Nitrosodimethylamine	ND	2.0	ng/l	1	02/05/22	
Surrogate(s)						
NDMA-d6	*76%*	*Conc: 19.0*	*70-130*		*02/05/22*	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+						
Method: EPA 1694M-ESI+		**Instr:** LCMS03				
Batch ID: W2A1721 **Preparation:** EPA 3535/SPE		**Prepared:** 01/26/22 10:13				**Analyst:** jna
Sucralose	**28000**	400	ng/l	20	01/26/22	M-06, U-01

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0515

Project Manager: Stephen Berentsen

Reported:
02/08/2022 11:34

Quality Control Results

Nitrosamines by CI GC/MS/MS, EPA 521

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1948 - EPA 521										
Blank (W2A1948-BLK1)				**Prepared: 01/31/22 Analyzed: 02/05/22**						
N-Nitrosodimethylamine	ND	2.0	ng/l							
Surrogate(s)										
NDMA-d6	*25.9*		*ng/l*	*25.0*		*104*	*70-130*			
LCS (W2A1948-BS1)				**Prepared: 01/31/22 Analyzed: 02/05/22**						
N-Nitrosodimethylamine	2.06	2.0	ng/l	2.00		103	50-150			
Surrogate(s)										
NDMA-d6	*30.1*		*ng/l*	*25.0*		*120*	*70-130*			
LCS Dup (W2A1948-BSD1)				**Prepared: 01/31/22 Analyzed: 02/06/22**						
N-Nitrosodimethylamine	1.28	2.0	ng/l	2.00		64	50-150	47	50	
Surrogate(s)										
NDMA-d6	*24.7*		*ng/l*	*25.0*		*99*	*70-130*			

Quality Control Results

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1723 - EPA 1694M-APCI										
Blank (W2A1723-BLK1)				**Prepared & Analyzed: 01/26/22**						
17-b-Estradiol	ND	4.0	ng/l							
LCS (W2A1723-BS1)				**Prepared & Analyzed: 01/26/22**						
17-b-Estradiol	36.8	4.0	ng/l	40.0		92	65-146			
Matrix Spike (W2A1723-MS1)	**Source: 2A21065-01**			**Prepared & Analyzed: 01/26/22**						
17-b-Estradiol	35.4	4.0	ng/l	40.0	ND	88	50-150			
Matrix Spike Dup (W2A1723-MSD1)	**Source: 2A21065-01**			**Prepared & Analyzed: 01/26/22**						
17-b-Estradiol	30.7	4.0	ng/l	40.0	ND	77	50-150	14	30	

Quality Control Results

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1722 - EPA 1694M-ESI-										
Blank (W2A1722-BLK1)				**Prepared: 01/26/22 Analyzed: 01/27/22**						
Triclosan	ND	8.0	ng/l							
LCS (W2A1722-BS1)				**Prepared: 01/26/22 Analyzed: 01/27/22**						
Triclosan	79.4	8.0	ng/l	80.0		99	76-139			
Matrix Spike (W2A1722-MS1)	**Source: 2A21065-01**			**Prepared: 01/26/22 Analyzed: 01/27/22**						
Triclosan	70.0	8.0	ng/l	80.0	ND	87	68-141			
Matrix Spike Dup (W2A1722-MSD1)	**Source: 2A21065-01**			**Prepared: 01/26/22 Analyzed: 01/27/22**						
Triclosan	74.3	8.0	ng/l	80.0	ND	93	68-141	6	30	

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0515

Project Manager: Stephen Berentsen

Reported:
02/08/2022 11:34

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2A1721 - EPA 1694M-ESI+										
Blank (W2A1721-BLK1)				**Prepared & Analyzed: 01/26/22**						
Caffeine	ND	4.0	ng/l							
DEET	ND	4.0	ng/l							
Blank (W2A1721-BLK2)				**Prepared & Analyzed: 01/26/22**						
Sucralose	ND	20	ng/l							
LCS (W2A1721-BS1)				**Prepared & Analyzed: 01/26/22**						
Caffeine	42.1	4.0	ng/l	40.0		105	55-152			
DEET	49.1	4.0	ng/l	40.0		123	45-135			
LCS (W2A1721-BS2)				**Prepared & Analyzed: 01/26/22**						
Sucralose	197	20	ng/l	200		98	50-150			
Matrix Spike (W2A1721-MS1)	**Source: 2A21065-01**			**Prepared & Analyzed: 01/26/22**						
Caffeine	100	4.0	ng/l	40.0	69.4	77	58-146			
DEET	55.1	4.0	ng/l	40.0	26.0	73	34-151			
Matrix Spike (W2A1721-MS2)	**Source: 2A21065-01RE1**			**Prepared & Analyzed: 01/26/22**						
Sucralose	34300	400	ng/l	4000	27700	166	50-150			M-06, MS-02
Matrix Spike Dup (W2A1721-MSD1)	**Source: 2A21065-01**			**Prepared & Analyzed: 01/26/22**						
Caffeine	82.2	4.0	ng/l	40.0	69.4	32	58-146	20	30	MS-01
DEET	48.3	4.0	ng/l	40.0	26.0	56	34-151	13	30	
Matrix Spike Dup (W2A1721-MSD2)	**Source: 2A21065-01RE1**			**Prepared & Analyzed: 01/26/22**						
Sucralose	33100	400	ng/l	4000	27700	136	50-150	4	30	M-06

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634
www.wecklabs.com

Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Project Number: 22A0515

Project Manager: Stephen Berentsen

Reported:
02/08/2022 11:34

Notes and Definitions

Item	Definition
M-06	Due to the high concentration of analyte inherent in the sample, sample was diluted prior to preparation. The MDL and MRL were raised due to this dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
U-01	The sample was received without the proper preservation.
%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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

February 2, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Lab ID : SP 2201101
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
22A0515	01/19/2022	01/20/2022	SP 2201101-001	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	01/24/2022:201271 All analysis quality controls are within established criteria
	01/24/2022:200961 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:MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2022-02-03

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 2, 2022

Pat-Chem Laboratories
ATTN:Steven Jefferson
1824 1st St
San Fernando, CA 91340

Description : 22A0515
Project : 22A0515

Lab ID : SP 2201101-001
Customer ID : 2-12670

Sampled On : January 19, 2022-11:25
Sampled By : Not Available
Received On : January 20, 2022-14:52
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	01/24/22:200961	218.6	01/24/22:201271

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

February 2, 2022 Lab ID : SP 2201101
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	01/24/22:200961vvh	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	94.8 %	90-110	
			MS	ug/L	2.000	88.1 %	75-125	
		(SP 2200668-001)	MSD	ug/L	2.000	90.9 %	75-125	
			MSRPD	ug/L	2.000	3.2%	≤20	
			MS	ug/L	2.000	83.2 %	75-125	
		(SP 2200671-001)	MSD	ug/L	2.000	83.4 %	75-125	
			MSRPD	ug/L	2.000	0.2%	≤20	
	218.6	01/24/22:201271VVH	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	96.9 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	95.3 %	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.
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.

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

22A0515

2201101

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: 22A0515-01 WASTE **Water**	**Sampled: 19-Jan-22 11:25**			**IPC - (MCC) Annual EFF**
Hex Cr 218.6 (Sub)	03-Feb-22 12:00	26-Jan-22 11:25		SUB-OUT
Containers Supplied:				

Released By	Date	Received By	Date	
JAN 20 2022				
Released By	Date	Received By	Date	
		1/20/22	1458	

Condition Upon Receipt (Attach to COC) SP 2201101

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** /_____/_____/_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.

5. Do the number of bottles received agree with the COC?	**Yes**	**No**	**N/A**	
6. Verify sample date, time, sampler	**Yes**	**No**	**N/A**	
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.)	**Yes**	**No**		
8. Were sample custody seals intact?	**Yes**	**No**	**N/A**	

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable?	**Yes**	**No**		
2. Did bottle labels correspond with the client's ID's?	**Yes**	**No**		
3. Were all bottles requiring sample preservation properly preserved? [Exception: Oil & Grease, VOA and CrVI verified in lab]	**Yes**	**No**	**N/A**	**FGL**
4. VOAs checked for Headspace?	**Yes**	**No**	**N/A**	
5. Were all analyses within holding times at time of receipt?	**Yes**	**No**		
6. Have rush or project due dates been checked and accepted?	**Yes**	**No**	**N/A**	

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Inez Covarrubias** Digitally signed by Inez Covarrubias
Title: Sample Receiving
Date: 01/21/2022-12:31:38

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2201101
IV/CDA-01/21/2022-12:31:38

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 22A0515

Customer: IPC, Inc.		**Project:** (MCC) Annual EFF	
Address: 9297 Research Drive		**Sampled by:** Carlos 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	01/19/22	1125	1	Priority Metals	Grab	AQ	1L P	HN	
			1	Hex Cr – Subcont	Grab	AQ	250 P	4°C	
			2	624 Priority	Grab	AQ	VOA	4°C	
			2	625 Priority, 608 Priority	Grab	AQ	1L G	4°C	
			1	CN	Grab	AQ	250 P	OH, AA 4°C	
			1	Asbestos – Subcont	Grab	AQ	1L G		
			6	17-Estradiol, Caffeine, NDMA, Triclosan DEET, Sucralose – Sub-ct	Grab	AQ	1L G	4°C	

RECEIVED
JAN 19 2022
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/19/22	1140
Received by		Jonathan V. (PCL)	1/19/22	1200
Relinquished by		Jonathan V. (PCL)	1/19/22	1320
Received by				
Relinquished by				1320
Received at lab by			JAN 19 2022	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.

Rev 2 Effective 5/1/17



Malibu Civic Center Wastewater Treatment Facility

2022 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

February 23, 2023

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

February 23, 2023
Project No: 20-09665

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

Subject: 2022 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 2022 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 2022 Annual Long-Term Groundwater and Surface Water Monitoring Report.

Sincerely,
Rincon Consultants, Inc.

This document has been digitally signed by Kiernan Brtalik, CPSWQ, QSP/D on 2/23/2023.

Kiernan Brtalik, CPSWQ, QSP/D
Director, Watershed Sciences



This document has been digitally signed and sealed by Torin Snyder, PG, CHG, TOR, QSD/P on 2/23/2023.

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 28 day of February 2023 at 9:30am

Yolanda Bundy
Signature

Environmental Sustainability Director / Building Official
Title

Table of Contents

1 Introduction 1
2 Background 1
3 Geologic and Hydrogeologic Setting 3
3.1 Hydrology 3
3.2 Geology 3
3.3 Hydrogeology 3
4 Completed Activities During 2022 4
5 Groundwater Elevations and Gradients 4
5.1 Shallow Zone 5
5.2 Deep Zone 6
5.3 Winter Canyon 6
6 Water Quality Sampling Analysis 7
6.1 Surface Water 7
6.2 Groundwater 9
6.3 Analytical Laboratory QA/QC 11
7 Scheduled Activities for the First Quarter of 2023 11
8 Summary of Monitoring Activities 11
8.1 Groundwater Elevations 11
8.2 Surface Water Quality 12
8.3 Groundwater Quality 12
9 Limitations 13
10 References 15

Tables

Table 1 Groundwater Elevations
Table 2 Long-Term Groundwater and Surface Water Analytical Matrix
Table 3 Surface Water Analytical Results
Table 4 Groundwater Analytical Results

Figures

Figure 1 Vicinity Map
Figure 2 Site Map – Monitoring Network
Figure 3 Shallow Groundwater Elevations January 2022
Figure 4 Shallow Groundwater Elevations February 2022
Figure 5 Shallow Groundwater Elevations March 2022
Figure 6 Shallow Groundwater Elevations April 2022
Figure 7 Shallow Groundwater Elevations May 2022
Figure 8 Shallow Groundwater Elevations June 2022
Figure 9 Shallow Groundwater Elevations July 2022
Figure 10 Shallow Groundwater Elevations August 2022
Figure 11 Shallow Groundwater Elevations September 2022
Figure 12 Shallow Groundwater Elevations October 2022
Figure 13 Shallow Groundwater Elevations November 2022
Figure 14 Shallow Groundwater Elevations December 2022
Figure 15 The Nitrogen Cycle

Appendices

Appendix A Groundwater and Surface Water Field Sheets
Appendix B Analytical Laboratory Reports

1 Introduction

This report presents the results of groundwater and surface water monitoring activities conducted during the 2022 monitoring 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 resulting from 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 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 was 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 16 groundwater monitoring wells (both 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 as 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 due to 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 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 Mountains are characterized by long, south-draining canyons on the south flank and short, north-draining canyons on the 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 is typically 5 to 20 feet below grade in the alluvium and deeper in the upland canyon areas.

4 Completed Activities During 2022

The following activities were completed during the 2022 monitoring period:

- Rincon prepared the Fourth Quarter 2021, 2021 Annual, First Quarter 2022, Second Quarter 2022, and Third Quarter 2022 Groundwater and Surface Water Monitoring Reports for the City of Malibu
- Rincon collected and analyzed groundwater and surface water samples for WDR/MRP compliance (Task II) during each quarter of 2022
- Rincon collected and analyzed groundwater samples for SNMP (Task III) and MOU (Task IV) compliance during the first and third quarters of 2022
- Rincon measured depth to water in the groundwater monitoring wells monthly throughout the 2022 monitoring period (Task V)

5 Groundwater Elevations and Gradients

During each month of the 2022 monitoring period, Rincon measured the depth to water at 42 groundwater monitoring wells using an electronic water level indicator (summarized in the table below; also see Table 1 and Appendix A).

Groundwater Monitoring Locations

Shallow Zone (32 wells)[1]				
C-1[2]	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	M6-1	M6-2
M7-1	M7-2	MBCMW-5[2]	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-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] Three wells have been removed from the original monitoring network: GH9-M4 has been buried as of the September 2018 monitoring event, MBCMW-6 was removed following grading activities in 2019, and SMBRP-10C was removed during the development of a sidewalk in March 2021

[2] MBCMW-5 and SMBRP-15B were dry during each month of the 2022 monitoring period

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 the 2022 monitoring period, changes in elevation compared to the 2021 monitoring period, and historical groundwater elevation range.

Summary of Groundwater Elevations – Shallow Zone

2022			2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
2.19 (MCWP-MW10)	21.88 (SMBRP-8)	7.71	2.58 (MCWP-MW08)	21.81 (SMBRP-8)	7.77	1.09 (CCPE, 05/2020)	25.38 (SMBRP-8, 05/2017)

Changes from January to December 2022						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
11	-1.82 (MCWP-MW04S)	-0.81	14	3.05 (P-9)	0.73	0.052

Note: Elevations measured in feet above mean sea level

The shallow groundwater gradient was calculated, and flow direction estimated based on the groundwater elevation data in SMBRP-2, SMBRP-9, and SMBRP-12 and summarized in the table below (Figures 3 through 14).

Summary of Groundwater Gradients

Month	Gradient (feet per foot)[1]	Flow Direction
January	0.0030	Southeast
February	0.0031	Southeast
March	0.0033	Southeast
April	0.0077	Southeast
May	0.0033	Southeast
June	0.0030	South-southeast
July	0.0029	South-southeast
August	0.0030	South-southeast
September	0.0025	South-southeast
October	0.0026	Southeast
November	0.0026	Southeast
December	0.0029	South-southeast
AVERAGE	**0.0034**	

[1] GH8-M3 was used to calculate the April, July, September, and December gradients as SMBRP-9 was inaccessible

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 2022 monitoring period, changes in elevation compared to the 2021 monitoring period, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

2022			2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
3.73 (MCWP-MW07D)	10.84 (MCWP-MW09)	6.81	4.36 (MCWP-MW07D)	10.80 (MCWP-MW09)	6.62	3.73 (MCWP-MW07D, 3/2022)	11.55 (MCWP-MW09, 12/2015)

Changes from January to December 2022						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
0	-	-	8	1.20	0.84	0.84

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 2022 monitoring period, changes in elevation compared to the 2021 monitoring period, and historical groundwater elevation ranges.

Summary of Groundwater Elevations – Winter Canyon

2022			2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
9.10 (SMBRP-11)	48.09 (LAMW-5S)	27.97	8.65 (SMBRP-11)	47.59 (LAMW-5S)	27.81	8.65 (SMBRP-11, 08/2021)	58.65 (LAMW-5S, 03/2019)

Changes from January to December 2022						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
2	-3.08 (LAMW-5S)	-1.88	0	-	-	-1.88

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 2022 monitoring period. Included below are the constituents required by the WDR for surface water monitoring, 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 2022 monitoring 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 2022 monitoring 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	Malibu Lagoon and Creek
N-001	L-001
N-002	L-002
N-003	L-003
N-004	L-004
-	L-005
-	L-006

Sampling Methodology

The Near Shore ocean water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep). Surface water samples from Malibu Lagoon and Creek monitoring locations were collected from each location at a depth of approximately 12 inches below the surface of the water.

All surface water samples were collected up-current of sampling personnel to minimize potential contamination of surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy Analytical (Enthalpy), a California-accredited analytical laboratory located in Orange, California. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy under chain-of-custody documentation.

Laboratory Analyses

Near Shore

The following table summarizes constituent detections in surface water samples collected from the four Near Shore sampling locations during the 2022 monitoring 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	33 (N-002; 5/10/2022)	>2,400 (7 samples in 2022)	1,362	MPN/100 mL
Fecal Coliform	5	1.0 (N-001; 8/3/2022 N-003; 2/22/2022)	42 (N-001; 11/3/2022)	5.6	MPN/100 mL
Nitrate as Nitrogen	1	-	0.44 (N-003; 2/22/2022)	-	mg/L
Nitrite as Nitrogen	1	-	0.44 (N-003; 2/22/2022)	-	mg/L
Organic Nitrogen	15	0.18 (N-003; 5/10/2022)	1.2 (N-004; 2/22/2022)	0.65	mg/L
Ammonia Nitrogen	4	0.063 (N-001; 11/3/2022)	0.19 (N-003; 8/3/2022)	0.073	mg/L
Total Kjeldahl Nitrogen	15	0.18 (N-002; 5/10/2022)	1.2 (N-003; 2/22/2022)	0.66	mg/L
Total Phosphorous	16	0.030 (N-003; 11/3/2022)	0.48 (N-002; 2/22/2022)	0.18	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 2022 monitoring period.

Summary of Detected Concentrations in Surface Water – Malibu Lagoon and Creek

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	24	170 (L-004; 5/10/2022)	>4,800 (L-002; 8/3/2022)	2,164	MPN/100 mL
Fecal Coliform	24	2.0 (L-001; 5/10/2022)	2,400 (5 samples in 2022)	571	MPN/100 mL
Nitrate as Nitrogen	8	0.070 (L-006; 2/22/2022)	2.3 (L-002; 2/22/2022)	0.34	mg/L

[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.

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Nitrite as Nitrogen	0	-	-	-	mg/L
Organic Nitrogen	24	0.30 (L-002; 5/10/2022)	38 (L-004; 2/22/2022)	4.5	mg/L
Ammonia Nitrogen	8	0.053 (L-006; 11/3/2022)	1.3 (L-003; 2/22/2022)	0.17	mg/L
Total Kjeldahl Nitrogen	24	0.30 (L-002; 5/10/2022)	38 (L-004; 2/22/2022)	4.6	mg/L
Total Phosphorous	24	0.072 (L-006; 1/3/2022)	2.1 (L-004; 2/22/2022)	0.50	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.2 Groundwater

The following number of groundwater monitoring wells were sampled during the 2022 monitoring period:

- First Quarter of 2022 – 15 wells (Task II, III, and IV)
- Second Quarter of 2022 – 7 wells (Task II)
- Third Quarter of 2022 – 15 wells (Task II, III, and IV)
- Fourth Quarter of 2022 – 7 wells (Task II)

A total of nine groundwater monitoring wells are typically sampled quarterly, in accordance with the WDR/MRP (Task II) monitoring requirements. However, the MRP specifies that if flows to the percolation ponds 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. Therefore, the Winter Canyon groundwater monitoring wells (LAMW-5S and SMBRP-11) were excluded from the second and fourth quarters of the 2022 monitoring period. In addition, MBCMW-9 was excluded from the first and third quarters of 2022 monitoring period.

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

Groundwater Sampling Locations

Well ID	Zone	Task	Sampling Frequency
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 2022 monitoring period. For comparison, this table presents results for constituents also analyzed for in surface water samples. In addition to those constituents, results for total dissolved solids (TDS), which represents the total concentration of dissolved substances in water and is commonly associated with OWDS effluent, are 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	40	32	1.0 (4 samples in 2022)	>2,400 (5 samples in 2022)	450	MPN/ 100 mL
Fecal Coliform	40	6	1.0 (MCWP-MW07S; 11/2/2022)	120 (MCWP-MW04S; 2/24/2022)	4.1	MPN/ 100 mL
Nitrate as Nitrogen	44	29	0.19 (MCWP-MW09; 2/24/2022)	23 (LAMW-5S; 8/2/2022)	3.2	mg/L
Nitrite as Nitrogen	40	1	-	0.27 (SMBRP-11; 8/2/2022)	0.11	mg/L
Organic Nitrogen	28	28	0.10 (MCWP-MW07D; 11/2/2022)	5.1 (SMBRP-12; 5/11/2022)	0.70	mg/L

Summary of Detected Concentrations in Groundwater

Constituent	Number Analyzed	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Ammonia Nitrogen	40	24	0.049 (LAMW-5S; 8/2/2022)	8.2 (SMBRP-12; 11/3/2022)	0.85	mg/L
Total Kjeldahl Nitrogen	40	36	0.13 (SMBRP-9; 8/4/2022)	7.9 (SMBRP-12; 11/3/2022)	1.3	mg/L
Total Phosphorous	40	40	0.013 (MCWP-MW04D; 2/23/2022)	3.0 (SMBRP-11; 8/2/2022)	0.41	mg/L
Total Dissolved Solids	44	44	860 (MCWP-MW07D; 8/2/2022)	7,000 (SMBRP-12; 11/3/2022)	2,172	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. The notes column of the analytical reports also has the QC flags. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative.

7 Scheduled Activities for 2023

Rincon submitted the Fourth Quarter 2022 Long-Term Groundwater and Surface Water Monitoring Report to the City of Malibu on January 13, 2023.

The following activities will be completed during 2023:

- Prepare and submit this 2022 Annual Long-Term Groundwater and Surface Water Monitoring Report to the City of Malibu
- 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 to the City of Malibu

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the 2022 monitoring period, groundwater elevations increased in 56 percent of shallow wells (14 out of

25), increased in all 8 deep wells, and decreased in both Winter Canyon wells, with a total average increase of 0.12 feet. Throughout 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 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 and fourth quarters of 2022, with average concentrations of 2,400 and 2,300 MPN/100 mL, respectively. Total coliform concentrations in the Malibu Lagoon and Creek sampling locations exceeded the laboratory upper detection limits of 2,400 MPN/100 mL or 4,800 MPN/mL in 75 percent of the surface water samples collected during the 2022 monitoring period. The average total coliform concentration in the surface water samples collected in 2022 was 1,843 MPN/100 mL, an increase from the 2021 average (1,828 MPN/100 mL).

Fecal coliform concentrations were only detected in five of the Near Shore samples, with the maximum concentration of 42 MPN/100 mL detected at N-001 during the fourth quarter of 2022. At the Malibu Lagoon and Creek sampling locations, fecal coliform was detected in every surface water sample collected during the 2022 monitoring period. The laboratory upper detection limit of 2,400 MPN/100 mL was exceeded in five Malibu Lagoon and Creek samples. The average fecal coliform concentration in the surface water samples collected in 2022 was 345 MPN/100 mL, a decrease from the 2021 average (359 MPN/100 mL).

Nitrate as nitrogen was detected in one Near Shore surface water sample (0.44 mg/L at N-003 in the first quarter of 2022) and was only detected in eight samples collected from Malibu Lagoon and Creek, with a maximum concentration of 2.3 mg/L (L-002 in the first quarter of 2022). Nitrite as nitrogen was only detected in one surface water sample collected during the 2022 reporting period sample (0.44 mg/L at N-003 in the first quarter of 2022).

Phosphorous was detected in every surface water sample collected in 2022 and average concentrations increased compared to concentrations observed in 2021, from 0.26 mg/L to 0.37 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 five samples. The average total coliform concentration in the groundwater samples collected in 2022 was 450 MPN/100 mL, a decrease from the 2021 average (538 MPN/100 mL).

Five detections of fecal coliform were reported in the first and fourth quarters of 2022, with the maximum concentration observed in MCWP-MW04S (120 MPN/100 mL). The average fecal coliform concentration in the groundwater samples collected in 2022 was 4.1 MPN/100 mL, a significant decrease from the 2021 average (42 MPN/100 mL).

Detections of nitrate as nitrogen were detected during each quarter of 2022 and were reported in 29 groundwater samples, with the maximum concentration observed in LAMW-5S (23 mg/L). The average nitrate as nitrogen concentration in the groundwater samples collected in 2022 was 3.2 mg/L, an increase from the 2021 average (1.8 mg/L).

Concentrations of TDS were detected in all 15 groundwater monitoring wells, with the maximum concentration of 7,000 mg/L detected in SMBRP-12 in the fourth quarter of 2022. The average TDS concentration in the groundwater samples collected in 2022 was 2,172 mg/L, a decrease from the 2021 average (2,347 mg/L).

8.4 Annual Evaluation of Injected Recycled Water

Recycled water was discharged to groundwater during each month of the 2022 reporting period with injection occurring at Injection Well 2, only[2]. The following table summarizes the monthly and annual discharge volume in gallons:

2022 Recycled Water Discharge to Groundwater (Injection Well 2)

Jan	Feb	Mar	Apr	May	Jun
1,648,000	1,221,000	1,286,000	1,224,000	1,252,000	1,197,000
Jul	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
1,189,000	1,397,000	1,248,000	1,283,000	0	1,432,000
2022 TOTAL:	**14,377,000**				

Note: Amount of discharged recycled water measured in gallons

The average groundwater elevation in shallow groundwater monitoring wells decreased during the 2022 monitoring period compared to the 2021 monitoring period. The average groundwater flow direction and gradient during the 2022 monitoring period was approximately 0.0034 feet per foot with a south-southeast flow direction. In comparison, during the 2021 monitoring period, the average groundwater gradient was approximately 0.0037 feet per foot and approximately 13,883,275 gallons of recycled water was discharged. In addition, groundwater analytical data showed groundwater quality has not displayed a noticable change during the 2022 or 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

[2] Note that recycled water was also used for irrigation at Bluffs Park as part of the City's Parks Landscape Irrigation program.

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

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	1/24/2022	11.47	Dry	-
C-1	2/21/2022	11.47	Dry	-
C-1	3/11/2022	11.47	Dry	-
C-1	4/12/2022	11.47	Dry	-
C-1	5/9/2022	11.47	Dry	-
C-1	6/15/2022	11.47	4.59	6.88
C-1	7/25/2022	11.47	4.84	6.63
C-1	8/1/2022	11.47	4.83	6.64
C-1	9/22/2022	11.47	5.07	6.40
C-1	10/17/2022	11.47	5.40	6.07
C-1	11/1/2022	11.47	5.39	6.08
C-1	12/12/2022	11.47	N/A	-
C-2	1/24/2022	11.19	7.47	3.72
C-2	2/21/2022	11.19	7.22	3.97
C-2	3/11/2022	11.19	7.55	3.64
C-2	4/12/2022	11.19	7.02	4.17
C-2	5/9/2022	11.19	6.38	4.81
C-2	6/15/2022	11.19	4.35	6.84
C-2	7/25/2022	11.19	4.65	6.54
C-2	8/1/2022	11.19	4.70	6.49
C-2	9/22/2022	11.19	4.94	6.25
C-2	10/17/2022	11.19	5.25	5.94
C-2	11/1/2022	11.19	5.20	5.99
C-2	12/12/2022	11.19	6.35	4.84
CCPE	1/24/2022	12.94	8.80	4.14
CCPE	2/21/2022	12.94	9.06	3.88
CCPE	3/11/2022	12.94	9.35	3.59
CCPE	4/12/2022	12.94	8.73	4.21
CCPE	5/9/2022	12.94	8.10	4.84
CCPE	6/15/2022	12.94	N/A	-
CCPE	7/25/2022	12.94	5.56	7.38
CCPE	8/1/2022	12.94	5.61	7.33
CCPE	9/22/2022	12.94	5.50	7.44
CCPE	10/17/2022	12.94	5.81	7.13
CCPE	11/1/2022	12.94	5.90	7.04
CCPE	12/12/2022	12.94	8.20	4.74
CCPNE	1/24/2022	13.68	9.25	4.43
CCPNE	2/21/2022	13.68	9.41	4.27
CCPNE	3/11/2022	13.68	9.66	4.02
CCPNE	4/12/2022	13.68	9.13	4.55
CCPNE	5/9/2022	13.68	8.62	5.06
CCPNE	6/15/2022	13.68	6.38	7.30
CCPNE	7/25/2022	13.68	6.25	7.43
CCPNE	8/1/2022	13.68	6.31	7.37
CCPNE	9/22/2022	13.68	6.22	7.46
CCPNE	10/17/2022	13.68	6.51	7.17
CCPNE	11/1/2022	13.68	6.58	7.10
CCPNE	12/12/2022	13.68	8.70	4.98
CCPSW	1/24/2022	13.67	8.80	4.87

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPSW	2/21/2022	13.67	8.91	4.76
CCPSW	3/11/2022	13.67	9.09	4.58
CCPSW	4/12/2022	13.67	8.75	4.92
CCPSW	5/9/2022	13.67	8.25	5.42
CCPSW	6/15/2022	13.67	6.26	7.41
CCPSW	7/25/2022	13.67	6.08	7.59
CCPSW	8/1/2022	13.67	6.10	7.57
CCPSW	9/22/2022	13.67	6.05	7.62
CCPSW	10/17/2022	13.67	6.33	7.34
CCPSW	11/1/2022	13.67	6.40	7.27
CCPSW	12/12/2022	13.67	8.40	5.27
CCW-4	1/24/2022	15.77	5.60	10.17
CCW-4	2/21/2022	15.77	5.90	9.87
CCW-4	3/11/2022	15.77	6.22	9.55
CCW-4	4/12/2022	15.77	6.37	9.40
CCW-4	5/9/2022	15.77	6.41	9.36
CCW-4	6/15/2022	15.77	6.55	9.22
CCW-4	7/25/2022	15.77	6.84	8.93
CCW-4	8/1/2022	15.77	6.88	8.89
CCW-4	9/22/2022	15.77	7.32	8.45
CCW-4	10/17/2022	15.77	7.22	8.55
CCW-4	11/1/2022	15.77	7.25	8.52
CCW-4	12/12/2022	15.77	6.61	9.16
GH6-M1	1/24/2022	-	29.70	-
GH6-M1	2/21/2022	-	29.50	-
GH6-M1	3/11/2022	-	29.41	-
GH6-M1	4/12/2022	-	29.22	-
GH6-M1	5/9/2022	-	29.20	-
GH6-M1	6/15/2022	-	29.30	-
GH6-M1	7/25/2022	-	29.51	-
GH6-M1	8/1/2022	-	29.52	-
GH6-M1	9/22/2022	-	29.87	-
GH6-M1	10/17/2022	-	29.99	-
GH6-M1	11/1/2022	-	30.09	-
GH6-M1	12/12/2022	-	30.23	-
GH8-M3	1/24/2022	40.21	28.99	11.22
GH8-M3	2/21/2022	40.21	28.63	11.58
GH8-M3	3/11/2022	40.21	28.51	11.70
GH8-M3	4/12/2022	40.21	28.37	11.84
GH8-M3	5/9/2022	40.21	28.41	11.80
GH8-M3	6/15/2022	40.21	28.43	11.78
GH8-M3	7/25/2022	40.21	28.68	11.53
GH8-M3	8/1/2022	40.21	28.67	11.54
GH8-M3	9/22/2022	40.21	29.03	11.18
GH8-M3	10/17/2022	40.21	29.18	11.03
GH8-M3	11/1/2022	40.21	29.18	11.03
GH8-M3	12/12/2022	40.21	29.41	10.80
M6-1	1/24/2022	-	6.43	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M6-1	2/21/2022	-	6.87	-
M6-1	3/11/2022	-	7.12	-
M6-1	4/12/2022	-	6.91	-
M6-1	5/9/2022	-	6.96	-
M6-1	6/15/2022	-	6.50	-
M6-1	7/25/2022	-	6.66	-
M6-1	8/1/2022	-	6.70	-
M6-1	9/22/2022	-	6.75	-
M6-1	10/17/2022	-	6.83	-
M6-1	11/1/2022	-	6.84	-
M6-1	12/12/2022	-	6.90	-
M6-2	1/24/2022	-	4.30	-
M6-2	2/21/2022	-	4.86	-
M6-2	3/11/2022	-	5.25	-
M6-2	4/12/2022	-	5.07	-
M6-2	5/9/2022	-	5.41	-
M6-2	6/15/2022	-	5.60	-
M6-2	7/25/2022	-	6.10	-
M6-2	8/1/2022	-	6.10	-
M6-2	9/22/2022	-	6.20	-
M6-2	10/17/2022	-	6.46	-
M6-2	11/1/2022	-	6.49	-
M6-2	12/12/2022	-	5.45	-
M7-1	1/24/2022	-	7.95	-
M7-1	2/21/2022	-	8.43	-
M7-1	3/11/2022	-	8.71	-
M7-1	4/12/2022	-	8.41	-
M7-1	5/9/2022	-	8.48	-
M7-1	6/15/2022	-	8.08	-
M7-1	7/25/2022	-	8.59	-
M7-1	8/1/2022	-	8.65	-
M7-1	9/22/2022	-	8.84	-
M7-1	10/17/2022	-	8.88	-
M7-1	11/1/2022	-	8.91	-
M7-1	12/12/2022	-	8.04	-
M7-2	1/24/2022	-	7.00	-
M7-2	2/21/2022	-	7.69	-
M7-2	3/11/2022	-	8.06	-
M7-2	4/12/2022	-	7.75	-
M7-2	5/9/2022	-	7.83	-
M7-2	6/15/2022	-	7.50	-
M7-2	7/25/2022	-	8.37	-
M7-2	8/1/2022	-	8.45	-
M7-2	9/22/2022	-	8.76	-
M7-2	10/17/2022	-	8.78	-
M7-2	11/1/2022	-	8.88	-
M7-2	12/12/2022	-	7.10	-
MBCMW-5	1/24/2022	19.40	Dry	-
MBCMW-5	2/21/2022	19.40	Dry	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-5	3/11/2022	19.40	Dry	-
MBCMW-5	4/12/2022	19.40	Dry	-
MBCMW-5	5/9/2022	19.40	Dry	-
MBCMW-5	6/15/2022	19.40	Dry	-
MBCMW-5	7/25/2022	19.40	Dry	-
MBCMW-5	8/1/2022	19.40	Dry	-
MBCMW-5	9/22/2022	19.40	Dry	-
MBCMW-5	10/17/2022	19.40	Dry	-
MBCMW-5	11/1/2022	19.40	Dry	-
MBCMW-5	12/12/2022	19.40	Dry	-
MBCMW-7	1/24/2022	16.64	11.87	4.77
MBCMW-7	2/21/2022	16.64	12.17	4.47
MBCMW-7	3/11/2022	16.64	12.24	4.40
MBCMW-7	4/12/2022	16.64	11.90	4.74
MBCMW-7	5/9/2022	16.64	11.91	4.73
MBCMW-7	6/15/2022	16.64	11.00	5.64
MBCMW-7	7/25/2022	16.64	11.06	5.58
MBCMW-7	8/1/2022	16.64	11.20	5.44
MBCMW-7	9/22/2022	16.64	10.88	5.76
MBCMW-7	10/17/2022	16.64	11.01	5.63
MBCMW-7	11/1/2022	16.64	11.00	5.64
MBCMW-7	12/12/2022	16.64	11.10	5.54
MBCMW-8	1/24/2022	16.53	6.87	9.66
MBCMW-8	2/21/2022	16.53	6.28	10.25
MBCMW-8	3/11/2022	16.53	8.29	8.24
MBCMW-8	4/12/2022	16.53	7.95	8.58
MBCMW-8	5/9/2022	16.53	8.20	8.33
MBCMW-8	6/15/2022	16.53	8.69	7.84
MBCMW-8	7/25/2022	16.53	8.58	7.95
MBCMW-8	8/1/2022	16.53	8.70	7.83
MBCMW-8	9/22/2022	16.53	9.15	7.38
MBCMW-8	10/17/2022	16.53	9.17	7.36
MBCMW-8	11/1/2022	16.53	9.21	7.32
MBCMW-8	12/12/2022	16.53	8.45	8.08
MBCMW-9	1/24/2022	17.71	7.60	10.11
MBCMW-9	2/21/2022	17.71	7.74	9.97
MBCMW-9	3/11/2022	17.71	7.98	9.73
MBCMW-9	4/12/2022	17.71	8.20	9.51
MBCMW-9	5/9/2022	17.71	8.30	9.41
MBCMW-9	6/15/2022	17.71	8.63	9.08
MBCMW-9	7/25/2022	17.71	8.61	9.10
MBCMW-9	8/1/2022	17.71	8.64	9.07
MBCMW-9	9/22/2022	17.71	8.84	8.87
MBCMW-9	10/17/2022	17.71	8.85	8.86
MBCMW-9	11/1/2022	17.71	8.84	8.87
MBCMW-9	12/12/2022	17.71	7.65	10.06

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	1/24/2022	17.74	9.15	8.59
MBCMW-10	2/21/2022	17.74	9.36	8.38
MBCMW-10	3/11/2022	17.74	9.98	7.76
MBCMW-10	4/12/2022	17.74	9.51	8.23
MBCMW-10	5/9/2022	17.74	9.49	8.25
MBCMW-10	6/15/2022	17.74	8.20	9.54
MBCMW-10	7/25/2022	17.74	8.30	9.44
MBCMW-10	8/1/2022	17.74	8.41	9.33
MBCMW-10	9/22/2022	17.74	8.35	9.39
MBCMW-10	10/17/2022	17.74	8.30	9.44
MBCMW-10	11/1/2022	17.74	8.34	9.40
MBCMW-10	12/12/2022	17.74	8.35	9.39
MCWP-MW04S	1/24/2022	15.29	5.20	10.09
MCWP-MW04S	2/21/2022	15.29	6.21	9.08
MCWP-MW04S	3/11/2022	15.29	6.71	8.58
MCWP-MW04S	4/12/2022	15.29	6.34	8.95
MCWP-MW04S	5/9/2022	15.29	6.60	8.69
MCWP-MW04S	6/15/2022	15.29	7.09	8.20
MCWP-MW04S	7/25/2022	15.29	7.10	8.19
MCWP-MW04S	8/1/2022	15.29	7.20	8.09
MCWP-MW04S	9/22/2022	15.29	7.59	7.70
MCWP-MW04S	10/17/2022	15.29	7.70	7.59
MCWP-MW04S	11/1/2022	15.29	7.70	7.59
MCWP-MW04S	12/12/2022	15.29	7.02	8.27
MCWP-MW07S	1/24/2022	13.72	5.45	8.27
MCWP-MW07S	2/21/2022	13.72	5.81	7.91
MCWP-MW07S	3/11/2022	13.72	5.93	7.79
MCWP-MW07S	4/12/2022	13.72	5.63	8.09
MCWP-MW07S	5/9/2022	13.72	6.05	7.67
MCWP-MW07S	6/15/2022	13.72	6.22	7.50
MCWP-MW07S	7/25/2022	13.72	6.62	7.10
MCWP-MW07S	8/1/2022	13.72	6.10	7.62
MCWP-MW07S	9/22/2022	13.72	6.10	7.62
MCWP-MW07S	10/17/2022	13.72	6.40	7.32
MCWP-MW07S	11/1/2022	13.72	6.60	7.12
MCWP-MW07S	12/12/2022	13.72	6.50	7.22
MCWP-MW08	1/24/2022	12.21	8.75	3.46
MCWP-MW08	2/21/2022	12.21	9.06	3.15
MCWP-MW08	3/11/2022	12.21	9.28	2.93
MCWP-MW08	4/12/2022	12.21	9.13	3.08
MCWP-MW08	5/9/2022	12.21	8.61	3.60
MCWP-MW08	6/15/2022	12.21	7.59	4.62
MCWP-MW08	7/25/2022	12.21	7.40	4.81
MCWP-MW08	8/1/2022	12.21	7.25	4.96
MCWP-MW08	9/22/2022	12.21	7.49	4.72
MCWP-MW08	10/17/2022	12.21	7.62	4.59
MCWP-MW08	11/1/2022	12.21	7.77	4.44
MCWP-MW08	12/12/2022	12.21	8.95	3.26



Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW10	1/24/2022	11.11	8.75	2.36
MCWP-MW10	2/21/2022	11.11	8.68	2.43
MCWP-MW10	3/11/2022	11.11	8.92	2.19
MCWP-MW10	4/12/2022	11.11	8.58	2.53
MCWP-MW10	5/9/2022	11.11	8.00	3.11
MCWP-MW10	6/15/2022	11.11	5.71	5.40
MCWP-MW10	7/25/2022	11.11	5.53	5.58
MCWP-MW10	8/1/2022	11.11	5.58	5.53
MCWP-MW10	9/22/2022	11.11	5.52	5.59
MCWP-MW10	10/17/2022	11.11	5.82	5.29
MCWP-MW10	11/1/2022	11.11	5.88	5.23
MCWP-MW10	12/12/2022	11.11	8.08	3.03
P-4	1/24/2022	12.16	7.96	4.20
P-4	2/21/2022	12.16	8.04	4.12
P-4	3/11/2022	12.16	8.25	3.91
P-4	4/12/2022	12.16	7.80	4.36
P-4	5/9/2022	12.16	7.26	4.90
P-4	6/15/2022	12.16	4.96	7.20
P-4	7/25/2022	12.16	4.80	7.36
P-4	8/1/2022	12.16	4.87	7.29
P-4	9/22/2022	12.16	4.80	7.36
P-4	10/17/2022	12.16	5.08	7.08
P-4	11/1/2022	12.16	5.15	7.01
P-4	12/12/2022	12.16	7.50	4.66
P-9	1/24/2022	12.17	8.25	3.92
P-9	2/21/2022	12.17	8.40	3.77
P-9	3/11/2022	12.17	8.63	3.54
P-9	4/12/2022	12.17	8.09	4.08
P-9	5/9/2022	12.17	7.43	4.74
P-9	6/15/2022	12.17	5.02	7.15
P-9	7/25/2022	12.17	4.87	7.30
P-9	8/1/2022	12.17	4.92	7.25
P-9	9/22/2022	12.17	4.83	7.34
P-9	10/17/2022	12.17	5.15	7.02
P-9	11/1/2022	12.17	5.20	6.97
P-9	12/12/2022	12.17	N/A	-
SMBRP-2	1/24/2022	13.13	9.43	3.70
SMBRP-2	2/21/2022	13.13	9.42	3.71
SMBRP-2	3/11/2022	13.13	9.63	3.50
SMBRP-2	4/12/2022	13.13	9.19	3.94
SMBRP-2	5/9/2022	13.13	8.65	4.48
SMBRP-2	6/15/2022	13.13	6.08	7.05
SMBRP-2	7/25/2022	13.13	5.87	7.26
SMBRP-2	8/1/2022	13.13	6.97	6.16
SMBRP-2	9/22/2022	13.13	5.86	7.27
SMBRP-2	10/17/2022	13.13	6.17	6.96
SMBRP-2	11/1/2022	13.13	8.24	4.89
SMBRP-2	12/12/2022	13.13	8.79	4.34

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-6	1/24/2022	26.88	14.50	12.38
SMBRP-6	2/21/2022	26.88	15.21	11.67
SMBRP-6	3/11/2022	26.88	15.30	11.58
SMBRP-6	4/12/2022	26.88	14.75	12.13
SMBRP-6	5/9/2022	26.88	14.91	11.97
SMBRP-6	6/15/2022	26.88	15.11	11.77
SMBRP-6	7/25/2022	26.88	16.40	10.48
SMBRP-6	8/1/2022	26.88	N/A	-
SMBRP-6	9/22/2022	26.88	16.17	10.71
SMBRP-6	10/17/2022	26.88	15.88	11.00
SMBRP-6	11/1/2022	26.88	15.87	11.01
SMBRP-6	12/12/2022	26.88	13.90	12.98
SMBRP-7B	1/24/2022	18.99	11.42	7.57
SMBRP-7B	2/21/2022	18.99	12.62	6.37
SMBRP-7B	3/11/2022	18.99	13.07	5.92
SMBRP-7B	4/12/2022	18.99	12.78	6.21
SMBRP-7B	5/9/2022	18.99	13.15	5.84
SMBRP-7B	6/15/2022	18.99	11.74	7.25
SMBRP-7B	7/25/2022	18.99	11.35	7.64
SMBRP-7B	8/1/2022	18.99	11.36	7.63
SMBRP-7B	9/22/2022	18.99	11.40	7.59
SMBRP-7B	10/17/2022	18.99	11.40	7.59
SMBRP-7B	11/1/2022	18.99	11.30	7.69
SMBRP-7B	12/12/2022	18.99	11.03	7.96
SMBRP-8 (EC1-RC-MW01)	1/24/2022	48.69	28.36	20.33
SMBRP-8 (EC1-RC-MW01)	2/21/2022	48.69	28.10	20.59
SMBRP-8 (EC1-RC-MW01)	3/11/2022	48.69	27.91	20.78
SMBRP-8 (EC1-RC-MW01)	4/12/2022	48.69	27.53	21.16
SMBRP-8 (EC1-RC-MW01)	5/9/2022	48.69	27.41	21.28
SMBRP-8 (EC1-RC-MW01)	6/15/2022	48.69	26.81	21.88
SMBRP-8 (EC1-RC-MW01)	7/25/2022	48.69	28.40	20.29
SMBRP-8 (EC1-RC-MW01)	8/1/2022	48.69	28.47	20.22
SMBRP-8 (EC1-RC-MW01)	9/22/2022	48.69	29.56	19.13
SMBRP-8 (EC1-RC-MW01)	10/17/2022	48.69	29.94	18.75
SMBRP-8 (EC1-RC-MW01)	11/1/2022	48.69	30.15	18.54
SMBRP-8 (EC1-RC-MW01)	12/12/2022	48.69	29.85	18.84
SMBRP-9	1/24/2022	50.32	38.85	11.47
SMBRP-9	2/21/2022	50.32	38.59	11.73
SMBRP-9	3/11/2022	50.32	38.40	11.92
SMBRP-9	4/12/2022	50.32	N/A	-
SMBRP-9	5/9/2022	50.32	37.98	12.34
SMBRP-9	6/15/2022	50.32	37.94	12.38
SMBRP-9	7/25/2022	50.32	N/A	-
SMBRP-9	8/1/2022	50.32	38.19	12.13
SMBRP-9	9/22/2022	50.32	N/A	-
SMBRP-9	10/17/2022	50.32	39.10	11.22
SMBRP-9	11/1/2022	50.32	39.25	11.07
SMBRP-9	12/12/2022	50.32	N/A	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-12	1/24/2022	12.62	7.15	5.47
SMBRP-12	2/21/2022	12.62	7.27	5.35
SMBRP-12	3/11/2022	12.62	7.43	5.19
SMBRP-12	4/12/2022	12.62	7.38	5.24
SMBRP-12	5/9/2022	12.62	7.03	5.59
SMBRP-12	6/15/2022	12.62	7.05	5.57
SMBRP-12	7/25/2022	12.62	6.68	5.94
SMBRP-12	8/1/2022	12.62	6.66	5.96
SMBRP-12	9/22/2022	12.62	6.25	6.37
SMBRP-12	10/17/2022	12.62	6.65	5.97
SMBRP-12	11/1/2022	12.62	6.93	5.69
SMBRP-12	12/12/2022	12.62	7.05	5.57
SMBRP-13	1/24/2022	13.58	8.69	4.89
SMBRP-13	2/21/2022	13.58	8.73	4.85
SMBRP-13	3/11/2022	13.58	9.13	4.45
SMBRP-13	4/12/2022	13.58	8.78	4.80
SMBRP-13	5/9/2022	13.58	8.59	4.99
SMBRP-13	6/15/2022	13.58	8.20	5.38
SMBRP-13	7/25/2022	13.58	7.90	5.68
SMBRP-13	8/1/2022	13.58	7.30	6.28
SMBRP-13	9/22/2022	13.58	8.30	5.28
SMBRP-13	10/17/2022	13.58	8.02	5.56
SMBRP-13	11/1/2022	13.58	8.25	5.33
SMBRP-13	12/12/2022	13.58	8.75	4.83
SMBRP-15B	1/24/2022	16.77	Dry	-
SMBRP-15B	2/21/2022	16.77	Dry	-
SMBRP-15B	3/11/2022	16.77	Dry	-
SMBRP-15B	4/12/2022	16.77	Dry	-
SMBRP-15B	5/9/2022	16.77	Dry	-
SMBRP-15B	6/15/2022	16.77	Dry	-
SMBRP-15B	7/25/2022	16.77	Dry	-
SMBRP-15B	8/1/2022	16.77	Dry	-
SMBRP-15B	9/22/2022	16.77	Dry	-
SMBRP-15B	10/17/2022	16.77	Dry	-
SMBRP-15B	11/1/2022	16.77	Dry	-
SMBRP-15B	12/12/2022	16.77	Dry	-
SMBRP-16	1/24/2022	14.50	N/A	-
SMBRP-16	2/21/2022	14.50	3.98	10.52
SMBRP-16	3/11/2022	14.50	4.45	10.05
SMBRP-16	4/12/2022	14.50	4.20	10.30
SMBRP-16	5/9/2022	14.50	4.42	10.08
SMBRP-16	6/15/2022	14.50	4.77	9.73
SMBRP-16	7/25/2022	14.50	5.05	9.45
SMBRP-16	8/1/2022	14.50	5.11	9.39
SMBRP-16	9/22/2022	14.50	N/A	-
SMBRP-16	10/17/2022	14.50	5.60	8.90
SMBRP-16	11/1/2022	14.50	5.62	8.88
SMBRP-16	12/12/2022	14.50	3.95	10.55

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	1/24/2022	17.90	10.70	7.20
MCWP-MW01	2/21/2022	17.90	10.99	6.91
MCWP-MW01	3/11/2022	17.90	11.76	6.14
MCWP-MW01	4/12/2022	17.90	11.55	6.35
MCWP-MW01	5/9/2022	17.90	11.35	6.55
MCWP-MW01	6/15/2022	17.90	9.88	8.02
MCWP-MW01	7/25/2022	17.90	10.03	7.87
MCWP-MW01	8/1/2022	17.90	10.97	6.93
MCWP-MW01	9/22/2022	17.90	9.76	8.14
MCWP-MW01	10/17/2022	17.90	9.83	8.07
MCWP-MW01	11/1/2022	17.90	9.98	7.92
MCWP-MW01	12/12/2022	17.90	9.80	8.10
MCWP-MW02	1/24/2022	18.06	12.63	5.43
MCWP-MW02	2/21/2022	18.06	12.69	5.37
MCWP-MW02	3/11/2022	18.06	12.87	5.19
MCWP-MW02	4/12/2022	18.06	12.62	5.44
MCWP-MW02	5/9/2022	18.06	12.20	5.86
MCWP-MW02	6/15/2022	18.06	10.60	7.46
MCWP-MW02	7/25/2022	18.06	10.40	7.66
MCWP-MW02	8/1/2022	18.06	10.38	7.68
MCWP-MW02	9/22/2022	18.06	10.39	7.67
MCWP-MW02	10/17/2022	18.06	10.61	7.45
MCWP-MW02	11/1/2022	18.06	10.67	7.39
MCWP-MW02	12/12/2022	18.06	12.20	5.86
MCWP-MW03	1/24/2022	15.31	8.13	7.18
MCWP-MW03	2/21/2022	15.31	8.55	6.76
MCWP-MW03	3/11/2022	15.31	N/A	-
MCWP-MW03	4/12/2022	15.31	9.53	5.78
MCWP-MW03	5/9/2022	15.31	9.10	6.21
MCWP-MW03	6/15/2022	15.31	7.63	7.68
MCWP-MW03	7/25/2022	15.31	7.81	7.50
MCWP-MW03	8/1/2022	15.31	7.43	7.88
MCWP-MW03	9/22/2022	15.31	7.71	7.60
MCWP-MW03	10/17/2022	15.31	7.36	7.95
MCWP-MW03	11/1/2022	15.31	7.40	7.91
MCWP-MW03	12/12/2022	15.31	6.99	8.32
MCWP-MW04D	1/24/2022	15.43	10.12	5.31
MCWP-MW04D	2/21/2022	15.43	10.10	5.33
MCWP-MW04D	3/11/2022	15.43	10.99	4.44
MCWP-MW04D	4/12/2022	15.43	10.72	4.71
MCWP-MW04D	5/9/2022	15.43	10.48	4.95
MCWP-MW04D	6/15/2022	15.43	9.83	5.60
MCWP-MW04D	7/25/2022	15.43	9.29	6.14
MCWP-MW04D	8/1/2022	15.43	9.11	6.32
MCWP-MW04D	9/22/2022	15.43	8.91	6.52
MCWP-MW04D	10/17/2022	15.43	9.00	6.43
MCWP-MW04D	11/1/2022	15.43	9.16	6.27
MCWP-MW04D	12/12/2022	15.43	8.92	6.51
MCWP-MW05	1/24/2022	13.92	8.18	5.74
MCWP-MW05	2/21/2022	13.92	8.40	5.52



Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW05	3/11/2022	13.92	8.98	4.94
MCWP-MW05	4/12/2022	13.92	8.50	5.42
MCWP-MW05	5/9/2022	13.92	8.51	5.41
MCWP-MW05	6/15/2022	13.92	7.24	6.68
MCWP-MW05	7/25/2022	13.92	7.41	6.51
MCWP-MW05	8/1/2022	13.92	7.48	6.44
MCWP-MW05	9/22/2022	13.92	7.44	6.48
MCWP-MW05	10/17/2022	13.92	7.38	6.54
MCWP-MW05	11/1/2022	13.92	7.38	6.54
MCWP-MW05	12/12/2022	13.92	7.84	6.08
MCWP-MW06	1/24/2022	16.05	10.43	5.62
MCWP-MW06	2/21/2022	16.05	10.81	5.24
MCWP-MW06	3/11/2022	16.05	11.15	4.90
MCWP-MW06	4/12/2022	16.05	10.98	5.07
MCWP-MW06	5/9/2022	16.05	10.83	5.22
MCWP-MW06	6/15/2022	16.05	9.47	6.58
MCWP-MW06	7/25/2022	16.05	9.69	6.36
MCWP-MW06	8/1/2022	16.05	9.55	6.50
MCWP-MW06	9/22/2022	16.05	9.55	6.50
MCWP-MW06	10/17/2022	16.05	9.58	6.47
MCWP-MW06	11/1/2022	16.05	8.61	7.44
MCWP-MW06	12/12/2022	16.05	9.65	6.40
MCWP-MW07D	1/24/2022	13.21	8.05	5.16
MCWP-MW07D	2/21/2022	13.21	8.50	4.71
MCWP-MW07D	3/11/2022	13.21	9.48	3.73
MCWP-MW07D	4/12/2022	13.21	9.42	3.79
MCWP-MW07D	5/9/2022	13.21	9.04	4.17
MCWP-MW07D	6/15/2022	13.21	7.50	5.71
MCWP-MW07D	7/25/2022	13.21	7.65	5.56
MCWP-MW07D	8/1/2022	13.21	7.30	5.91
MCWP-MW07D	9/22/2022	13.21	7.61	5.60
MCWP-MW07D	10/17/2022	13.21	7.26	5.95
MCWP-MW07D	11/1/2022	13.21	7.30	5.91
MCWP-MW07D	12/12/2022	13.21	6.87	6.34
MCWP-MW09	1/24/2022	16.30	6.49	9.81
MCWP-MW09	2/21/2022	16.30	6.73	9.57
MCWP-MW09	3/11/2022	16.30	7.19	9.11
MCWP-MW09	4/12/2022	16.30	7.27	9.03
MCWP-MW09	5/9/2022	16.30	6.90	9.40
MCWP-MW09	6/15/2022	16.30	5.95	10.35
MCWP-MW09	7/25/2022	16.30	5.72	10.58
MCWP-MW09	8/1/2022	16.30	5.46	10.84
MCWP-MW09	9/22/2022	16.30	5.62	10.68
MCWP-MW09	10/17/2022	16.30	5.56	10.74
MCWP-MW09	11/1/2022	16.30	5.55	10.75
MCWP-MW09	12/12/2022	16.30	5.75	10.55

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	1/24/2022	104.55	57.55	47.00
LAMW-5S	2/21/2022	104.55	56.77	47.78
LAMW-5S	3/11/2022	104.55	56.53	48.02
LAMW-5S	4/12/2022	104.55	56.51	48.04
LAMW-5S	5/9/2022	104.55	56.46	48.09
LAMW-5S	6/15/2022	104.55	57.29	47.26
LAMW-5S	7/25/2022	104.55	58.35	46.20
LAMW-5S	8/1/2022	104.55	58.45	46.10
LAMW-5S	9/22/2022	104.55	59.12	45.43
LAMW-5S	10/17/2022	104.55	59.53	45.02
LAMW-5S	11/1/2022	104.55	60.07	44.48
LAMW-5S	12/12/2022	104.55	60.63	43.92
SMBRP-11	1/24/2022	18.35	8.46	9.89
SMBRP-11	2/21/2022	18.35	8.80	9.55
SMBRP-11	3/11/2022	18.35	8.94	9.41
SMBRP-11	4/12/2022	18.35	8.85	9.50
SMBRP-11	5/9/2022	18.35	8.83	9.52
SMBRP-11	6/15/2022	18.35	8.77	9.58
SMBRP-11	7/25/2022	18.35	8.69	9.66
SMBRP-11	8/1/2022	18.35	8.81	9.54
SMBRP-11	9/22/2022	18.35	8.73	9.62
SMBRP-11	10/17/2022	18.35	9.02	9.33
SMBRP-11	11/1/2022	18.35	9.25	9.10
SMBRP-11	12/12/2022	18.35	9.13	9.22

Notes:

Elevations measured in feet above mean sea level

Three shallow wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event, MBCMW-6 was removed following grading activities in 2019, and SMBRP-10C was removed during the development of a sidewalk in March 2021

-: No data available

ft bTOC: Feet below top of well casing

N/A: Depth to water was not measured; groundwater monitoring well was not accessible

TOC: Top of well casing

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)
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

[3]: A sample was not collected from MBWMW-9 due to an insufficient recovery of water from the well during the purging process

✓: 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	2/22/2022	= **65 H**	< 1.0 H	< 0.10	< 1.0	= **0.86**	< 0.10	= **0.86 B**	= **0.17**
Near Shore	Ankle Depth	N-001	5/10/2022	= **70**	< 1.0	< 5.0	< 5.0	-	< 0.10	< 0.40	= **0.23**
Near Shore	Ankle Depth	N-001	8/3/2022	> **2,400**	= **1.0**	< 1.0	< 1.0	= **0.50**	= **0.18**	= **0.68**	= **0.090**
Near Shore	Ankle Depth	N-001	11/3/2022	> **2,400**	= **42**	< 10	< 10	= **0.82**	= **0.063 J**	= **0.88**	= **0.045**
Near Shore	Ankle Depth	N-002	2/22/2022	= **85 H**	< 1.0 H	< 0.10	< 1.0	= **0.89**	< 0.10	= **0.89 B**	= **0.48**
Near Shore	Ankle Depth	N-002	5/10/2022	= **33**	< 1.0	< 5.0	< 5.0	= **0.18**	< 0.10	= **0.18 J**	= **0.21**
Near Shore	Ankle Depth	N-002	8/3/2022	> **2,400**	< 1.0	< 1.0	< 1.0	= **0.44**	= **0.13**	= **0.57**	= **0.095**
Near Shore	Ankle Depth	N-002	11/3/2022	> **2,400**	= **24**	< 10	< 10	= **0.81**	< 0.10	= **0.81**	= **0.080**
Near Shore	Ankle Depth	N-003	2/22/2022	> **2,400 H**	= **1.0 H**	= **0.44**	= **0.44**	= **1.2**	< 0.10	= **1.2 B**	= **0.21**
Near Shore	Ankle Depth	N-003	5/10/2022	= **180**	< 1.0	< 5.0	< 5.0	= **0.48**	< 0.10	= **0.48**	= **0.087**
Near Shore	Ankle Depth	N-003	8/3/2022	> **2,400**	< 1.0	< 1.0	< 1.0	= **0.35**	= **0.19**	= **0.54**	= **0.18**
Near Shore	Ankle Depth	N-003	11/3/2022	> **2,400 H**	= **16 H**	< 10	< 10	= **0.69**	< 0.10	= **0.69**	= **0.030**
Near Shore	Ankle Depth	N-004	2/22/2022	= **100 H**	< 1.0 H	< 0.10	< 1.0	= **0.67**	< 0.10	= **0.67 B**	= **0.39**
Near Shore	Ankle Depth	N-004	5/10/2022	= **57**	< 1.0	< 5.0	< 5.0	= **0.37**	< 0.10	= **0.37 J**	= **0.14**
Near Shore	Ankle Depth	N-004	8/3/2022	> **2,400**	< 1.0	< 1.0	< 1.0	= **0.58**	< 0.10	= **0.58**	= **0.20**
Near Shore	Ankle Depth	N-004	11/3/2022	= **2,000**	< 1.0	< 10	< 10	= **0.91**	< 0.10	= **0.91**	= **0.17**
Malibu Lagoon and Creek	1 foot BSW	L-001	2/22/2022	= **820 H**	= **3.1 H**	= **1.1**	< 1.0	= **0.98**	< 0.10	= **0.98 B**	= **0.49**
Malibu Lagoon and Creek	Ankle Depth	L-001	5/10/2022	= **650**	= **2.0**	= **0.10 J**	< 0.10	= **0.32**	< 0.10	= **0.32 J**	= **0.41**
Malibu Lagoon and Creek	Ankle Depth	L-001	8/3/2022	> **2,400**	> **2,400**	< 0.10	< 1.0	= **0.48**	< 0.10	= **0.48**	= **0.18**
Malibu Lagoon and Creek	Ankle Depth	L-001	11/3/2022	> **2,400**	= **7.5**	< 0.10	< 1.0	= **0.52**	< 0.10	= **0.52**	= **0.16**
Malibu Lagoon and Creek	1 foot BSW	L-002	2/22/2022	= **1,300**	= **9.8**	= **2.3**	< 1.0	= **1.10**	< 0.10	= **1.1 B**	= **0.60**
Malibu Lagoon and Creek	Ankle Depth	L-002	5/10/2022	> **2,400**	= **18**	= **0.74**	< 0.10	= **0.30**	< 0.10	= **0.30 J**	= **0.21**
Malibu Lagoon and Creek	Ankle Depth	L-002	8/3/2022	> **4,800**	= **31**	= **0.22**	< 1.0	= **0.84**	< 0.10	= **0.84**	= **0.21**
Malibu Lagoon and Creek	Ankle Depth	L-002	11/3/2022	= **1,000**	= **40**	< 1.0	< 1.0	= **0.52**	< 0.10	= **0.52**	= **0.10**
Malibu Lagoon and Creek	1 foot BSW	L-003	2/22/2022	> **2,400 H**	= **9.8 H**	= **0.16**	< 1.0	= **2.2**	= **1.3**	= **3.5**	= **0.36**
Malibu Lagoon and Creek	Ankle Depth	L-003	5/10/2022	> **2,400**	= **36**	< 0.10	< 0.10	= **2.1**	< 0.10	= **2.1**	= **0.34**
Malibu Lagoon and Creek	Ankle Depth	L-003	8/3/2022	> **2,400**	> **2,400**	< 0.10	< 1.0	= **0.61**	= **0.095 J**	= **0.70**	= **0.16**
Malibu Lagoon and Creek	Ankle Depth	L-003	11/3/2022	> **2,400**	= **70**	< 0.10	< 1.0	= **0.70**	< 0.10	= **0.70**	= **0.13**
Malibu Lagoon and Creek	1 foot BSW	L-004	2/22/2022	> **2,400**	= **200**	= **0.98**	< 1.0	= **38**	< 0.10	= **38**	= **2.1**
Malibu Lagoon and Creek	Ankle Depth	L-004	5/10/2022	= **170**	= **110**	< 0.10	< 0.10	= **31**	= **0.39**	= **31**	= **1.7**
Malibu Lagoon and Creek	Ankle Depth	L-004	8/3/2022	> **2,400**	> **2,400**	< 1.0	< 1.0	= **0.79**	= **0.096 J**	= **0.89**	= **0.23**
Malibu Lagoon and Creek	Ankle Depth	L-004	11/3/2022	> **2,400 H**	= **20 H**	< 0.10	< 1.0	= **0.70**	< 0.10	= **0.70**	= **0.088**
Malibu Lagoon and Creek	1 foot BSW	L-005	2/22/2022	> **2,400 H**	= **7.5 H**	< 0.10	< 1.0	= **1.9**	= **0.96**	= **2.9**	= **0.71**
Malibu Lagoon and Creek	Ankle Depth	L-005	5/10/2022	> **2,400**	= **10**	< 0.10	< 0.10	= **4.6**	< 0.10	= **4.6**	= **0.68**
Malibu Lagoon and Creek	Ankle Depth	L-005	8/3/2022	> **2,400**	> **2,400**	< 1.0	< 1.0	= **8.1**	= **0.25**	= **8.3**	= **1.1**
Malibu Lagoon and Creek	Ankle Depth	L-005	11/3/2022	> **2,400 H**	= **820 H**	< 0.10	< 1.0	= **0.94**	< 0.10	= **0.94**	= **0.50**

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-006	2/22/2022	> **2,400**	= **160**	= **0.070 J**	< 1.0	= **9.5**	< 0.10	= **9.5**	= **1.1**
Malibu Lagoon and Creek	Ankle Depth	L-006	5/10/2022	> **2,400**	= **130**	< 0.10	< 0.10	= **0.64**	< 0.10	= **0.64**	= **0.20**
Malibu Lagoon and Creek	Ankle Depth	L-006	8/3/2022	> **2,400**	> **2,400**	< 1.0	< 1.0	= **0.92**	= **0.082 J**	= **1.0**	= **0.16**
Malibu Lagoon and Creek	Ankle Depth	L-006	11/3/2022	> **2,400 H**	= **30 H**	< 0.10	< 1.0	= **0.51**	= **0.053 J**	= **0.56**	= **0.072**

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
H: Holding time was exceeded
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters

Table 4
Groundwater Analytical Results

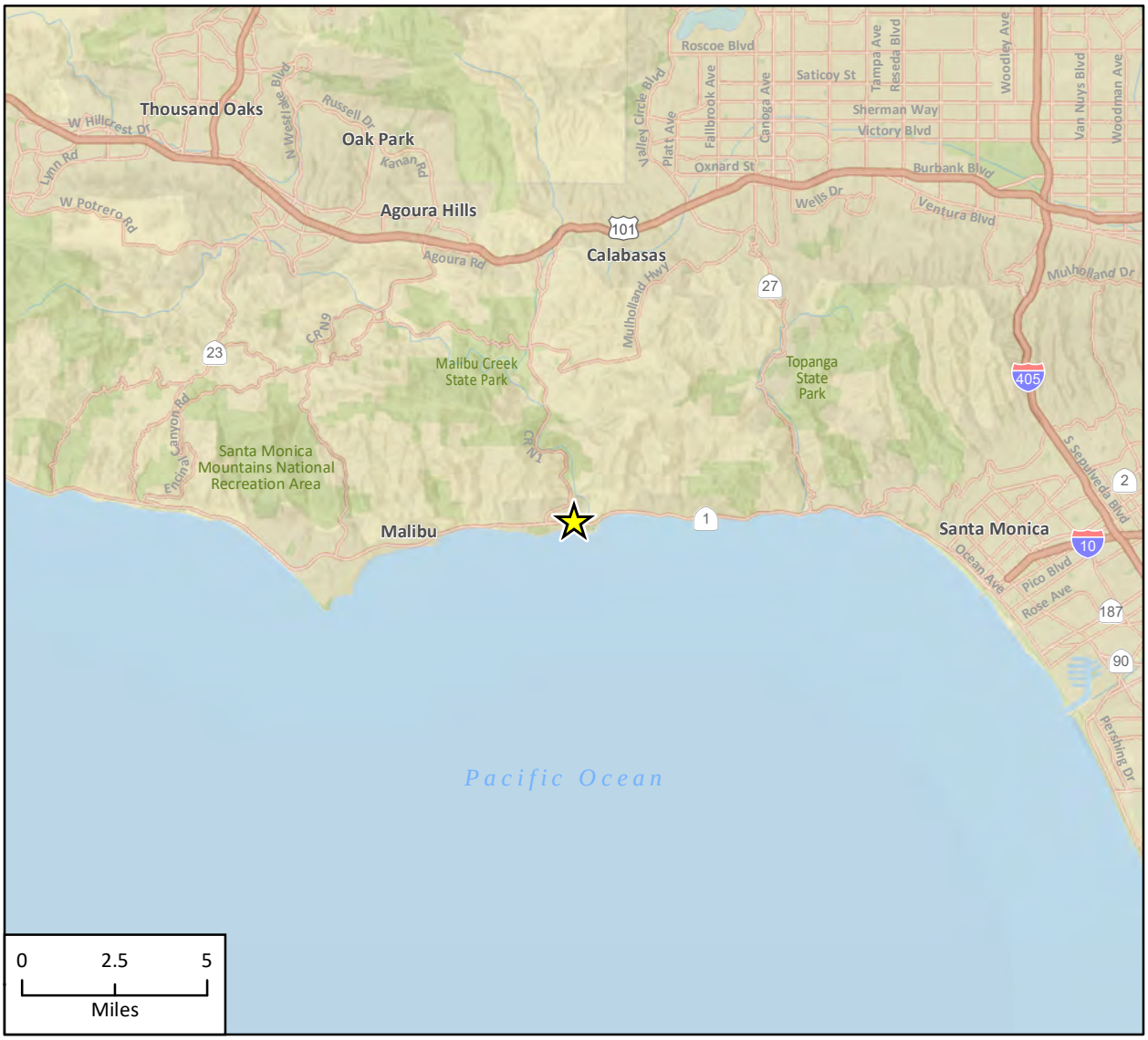
Well ID	Well Depth (feet bgs)	Sample Date	Coliform Bacteria (MPN/100 mL)		Inorganic Analyses (mg/L)										
			Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73	2/24/2022	= **390**	= **2.0**	= **18**	< 0.10	= **0.41**	< 0.10	= **0.41 B**	-	= **2.4**	-	-	= **1,200**	-
LAMW-5S	73	8/2/2022	= **100**	< 1.0	= **23**	< 0.10	= **0.13**	= **0.049 J**	= **0.18 J**	-	= **0.11**	-	-	= **1,000**	-
SMBRP-7B	25	2/23/2022	> **2,400**	= **2.0**	= **3.1**	< 0.10	= **0.58**	< 0.10	= **0.58 B**	-	= **0.27**	-	-	= **1,700**	-
SMBRP-7B	25	8/2/2022	> **2,400**	< 1.0	= **0.46**	< 0.10	= **0.20**	< 0.10	= **0.20 J**	-	= **0.18**	-	-	= **2,700**	-
SMBRP-9	45	2/22/2022	= **61**	< 1.0	= **15**	< 0.10	= **-**	< 0.10	< 0.40 B	= **15**	= **0.19**	= **0.64**	= **310**	= **1,400**	= **210**
SMBRP-9	45	5/10/2022	= **13**	< 1.0	= **18**	< 0.10	= **0.14**	< 0.10	= **0.14 J**	= **18**	= **0.11**	= **0.69**	= **280**	= **1,500**	= **230**
SMBRP-9	45	8/4/2022	= **56**	< 1.0	= **13**	< 0.10	-	< 0.10	= **0.13 J**	-	= **0.12**	= **0.59**	= **270**	= **1,500**	= **200**
SMBRP-9	45	11/2/2022	= **73**	< 1.0	= **7.7**	< 0.10	= **0.30**	= **0.12**	= **0.42**	= **8.1**	= **0.36**	= **0.60**	= **170**	= **1,300**	= **140**
SMBRP-11	20	2/24/2022	= **14 H**	< 1.0	= **2.5**	< 0.10	= **1.0**	= **1.4**	= **2.4**	-	= **0.041**	-	-	= **1,600**	-
SMBRP-11	20	8/2/2022	> **2,400**	< 1.0	= **2.3**	= **0.27**	= **0.40**	= **2.2**	= **2.6**	-	= **3.0**	-	-	= **1,800**	-
SMBRP-12	25	2/24/2022	= **5.2**	< 1.0	< 0.10	< 0.10	= **0.90**	= **4.5**	= **5.4**	= **0.33**	= **1.1**	= **0.76**	= **480**	= **2,000**	= **600**
SMBRP-12	25	5/11/2022	= **1.0**	< 1.0	< 0.10	< 0.10	= **5.1**	= **4.6**	= **5.1**	= **0.50**	= **0.96**	= **0.98**	= **620**	= **2,500**	= **690**
SMBRP-12	25	8/3/2022	= **4.1**	< 1.0	< 0.10	< 1.0	-	= **3.9**	= **5.2**	-	= **1.1**	= **0.92**	= **490**	= **2,600**	= **880**
SMBRP-12	25	11/3/2022	= **5.2**	< 1.0	< 1.0	< 1.0	-	= **8.2**	= **7.9**	= **7.9**	= **0.86**	= **1.1**	= **970**	= **7,000**	= **3,300**
SMBRP-13	19	2/24/2022	= **1.0**	< 1.0	< 0.10	< 0.10	= **0.33**	< 0.10	= **0.33**	-	= **0.34**	-	-	= **2,600**	-
SMBRP-13	20	8/2/2022	= **1.0**	< 1.0	< 1.0	< 1.0	= **0.49**	= **0.38**	= **0.87**	-	= **0.20**	-	-	= **6,000**	-
MCWP-MW04S	20	2/24/2022	< 1.0	= **120 H**	= **0.90**	< 0.10	**0.94**	= **0.058 J**	= **1.0**	= **1.0**	= **0.36**	= **1.4**	= **2,100**	= **4,400**	= **300**
MCWP-MW04S	20	5/10/2022	> **2,400**	< 1.0	= **0.94**	< 0.10	= **0.66**	< 0.10	= **0.66**	= **1.6**	= **0.30**	= **1.5**	= **2,000**	= **3,500**	= **340**
MCWP-MW04S	20	8/2/2022	= **1,300**	< 1.0	= **0.76**	< 0.10	-	= **0.054 J**	= **0.73**	-	= **0.39**	= **1.5**	= **2,500**	= **5,900**	= **450**
MCWP-MW04S	20	11/2/2022	> **2,400 H**	= **18 H**	= **0.58**	< 0.10	= **0.44**	= **0.18**	= **0.62**	= **1.2**	= **0.49**	= **2.0**	= **2,800**	= **5,000**	= **480**
MCWP-MW04D	145	2/23/2022	< 1.0	< 1.0	= **1.30**	< 0.10	= **0.41**	< 0.10	= **0.41**	= **1.7**	= **0.013**	= **0.78**	= **710**	= **1,400**	= **240**
MCWP-MW04D	145	5/11/2022	< 1.0	< 1.0	< 0.10	< 0.10	= **0.20**	= **1.9**	= **2.1**	= **2.1**	= **0.25**	= **0.85**	= **650**	= **2,000**	= **690**
MCWP-MW04D	145	8/3/2022	= **1.0**	< 1.0	= **1.5**	< 0.10	-	= **0.12**	= **0.15 J**	-	= **0.097**	= **0.78**	= **570**	= **1,500**	= **230**
MCWP-MW04D	145	11/3/2022	< 1.0 H	< 1.0 H	= **1.2**	< 0.10	-	< 0.10	< 0.40	= **1.2**	= **0.052**	= **0.86**	= **640**	= **1,500**	= **250**
MCWP-MW05	154	2/22/2022	-	-	= **2.1**	-	-	-	-	-	-	-	-	= **1,400**	-
MCWP-MW05	154	8/4/2022	-	-	= **2.4**	-	-	-	-	-	-	-	-	= **1,400**	-
MCWP-MW06	138	2/22/2022	-	-	< 0.10	-	-	-	-	-	-	-	-	= **1,400**	-
MCWP-MW06	138	8/4/2022	-	-	< 0.10	-	-	-	-	-	-	-	-	= **1,800**	-
MCWP-MW07S	20	2/24/2022	= **310 H**	= **4.1 H**	= **4.2**	< 0.10	= **3.0**	= **0.14**	= **3.1 B,J**	= **4.9**	= **0.23**	= **0.36**	= **260**	= **1,100**	= **220**
MCWP-MW07S	20	5/10/2022	= **12**	< 1.0	= **3.7**	< 0.10	= **0.47**	< 0.10	= **0.47**	= **4.2**	= **0.39**	= **0.35**	= **240**	= **1,100**	= **230**
MCWP-MW07S	20	8/2/2022	= **29**	< 1.0	= **4.1**	< 0.10	-	= **0.21**	= **0.32 J**	-	= **0.28**	= **0.36**	= **260**	= **1,100**	= **230**
MCWP-MW07S	20	11/2/2022	= **5.2**	= **1.0**	= **4.5**	< 0.10	= **0.35**	= **0.30**	= **0.65**	= **5.2**	= **0.54**	= **0.37**	= **240**	= **1,400**	= **210**

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-MW07D	134	2/23/2022	< 1.0	< 1.0	< 0.10	< 0.10	= **0.61**	= **0.16**	= **0.77**	= **0.77**	= **0.13**	= **0.44**	= **350**	= **1,100**	= **260**
MCWP-MW07D	134	5/10/2022	= **2,000**	< 1.0	< 0.10	< 0.10	= **0.47**	= **0.16**	= **0.63**	= **0.63**	= **0.52**	= **0.47**	= **320**	= **1,100**	= **240**
MCWP-MW07D	134	8/2/2022	< 1.0	< 1.0	< 0.10	< 0.10	-	< 0.10	= **0.78**	-	= **0.14**	= **0.42**	= **260**	= **860**	= **240**
MCWP-MW07D	134	11/2/2022	= **12**	< 1.0	< 1.0 H	< 0.10	= **0.10**	= **0.35**	= **0.45**	= **0.45**	= **0.15**	= **0.37**	= **250**	= **1,200**	= **230**
MCWP-MW09	89	2/24/2022	= **1,200**	< 1.0	= **0.19**	< 0.10	= **0.59**	= **0.16 J**	= **0.75**	= **18**	= **0.029**	= **0.73**	= **510**	= **1,700**	= **500**
MCWP-MW09	89	5/11/2022	= **12**	< 1.0	= **1.5**	< 0.10	= **0.20**	< 0.10	< 0.40	= **1.5**	= **0.066**	= **0.84**	= **560**	= **1,400**	= **250**
MCWP-MW09	89	8/3/2022	= **1.0**	< 1.0	< 0.10	< 1.0	-	= **2.2**	= **2.4**	-	= **0.20**	= **0.76**	= **650**	= **2,700**	= **800**
MCWP-MW09	89	11/3/2022	< 1.0	< 1.0	< 1.0	< 1.0	-	= **1.9**	= **1.9**	= **1.9**	= **0.16**	= **0.86**	= **700**	= **2,300**	= **710**
MCWP-MW10	22	2/24/2022	< 1.0	< 1.0	= **0.66**	< 0.10	= **0.38**	< 0.10	= **0.38 J**	-	= **0.037**	-	-	= **3,700**	-
MCWP-MW10	22	8/3/2022	= **48**	< 1.0	= **0.48**	< 0.10	-	< 0.10	< 0.40	-	= **0.069**	-	-	= **2,000**	-
CCPE	53	2/23/2022	= **340**	< 1.0	= **1.5**	< 0.10	= **0.51**	< 0.10	= **0.51 B**	-	= **0.088**	-	-	= **1,600**	-
CCPE	53	8/4/2022	= **11**	< 1.0	= **1.5**	< 0.10	= **0.24**	= **0.11**	= **0.35 J**	-	= **0.12**	-	-	= **1,600**	-

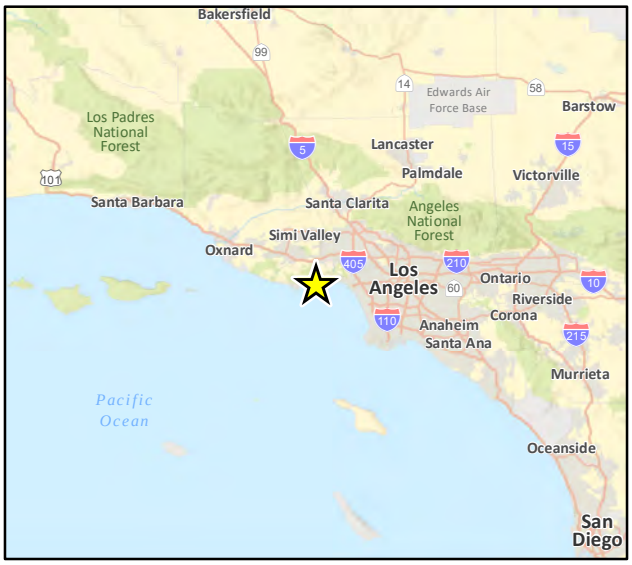
Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
-: Constituent not analyzed
bgs: Below ground surface
H: Holding time was exceeded
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

Figures



Project Location

N



Vicinity Map

Figure 1

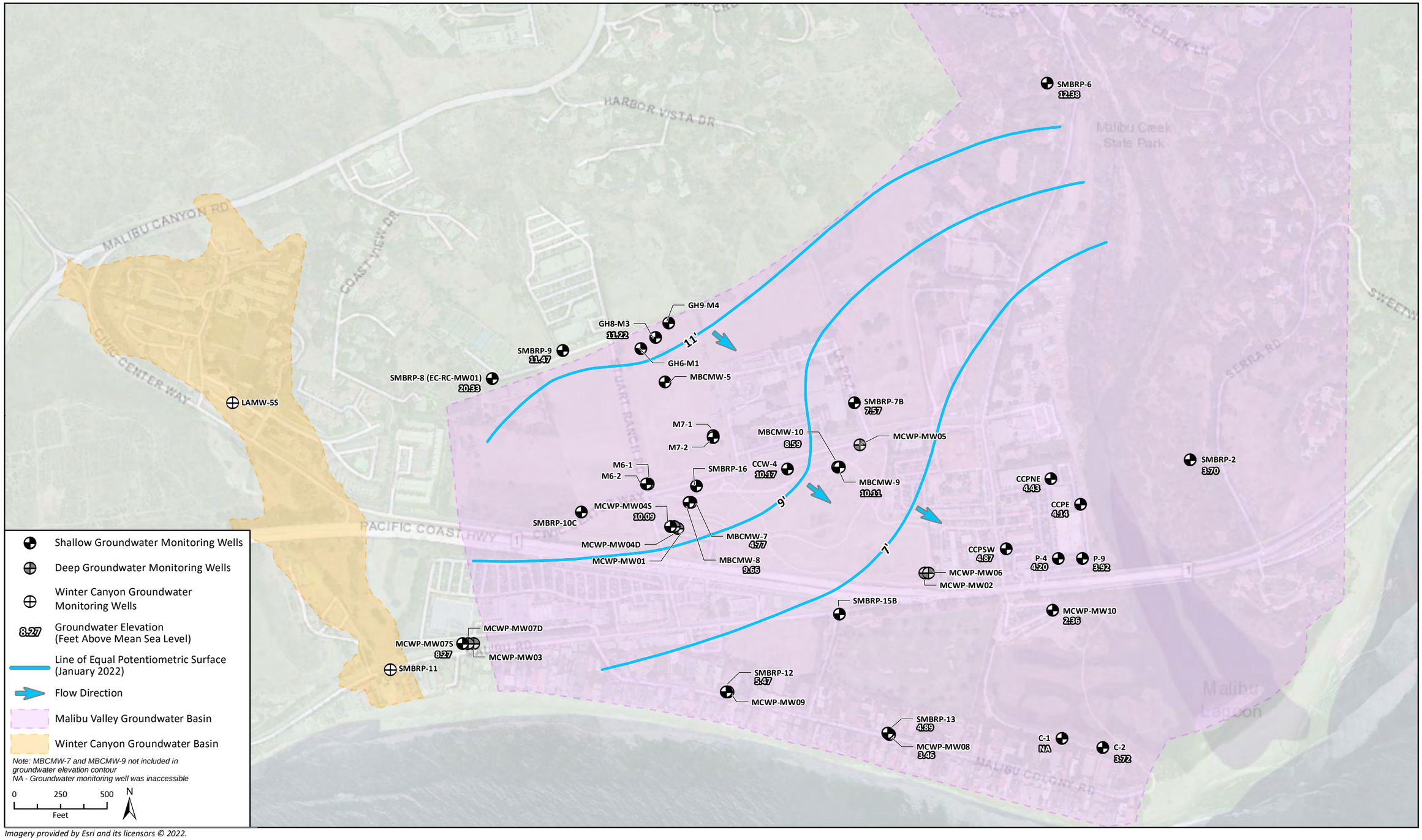


Imagery provided by Esri and its licensors © 2021.

Site Map - Monitoring Network

Figure 2

Rincon Consultants Inc.

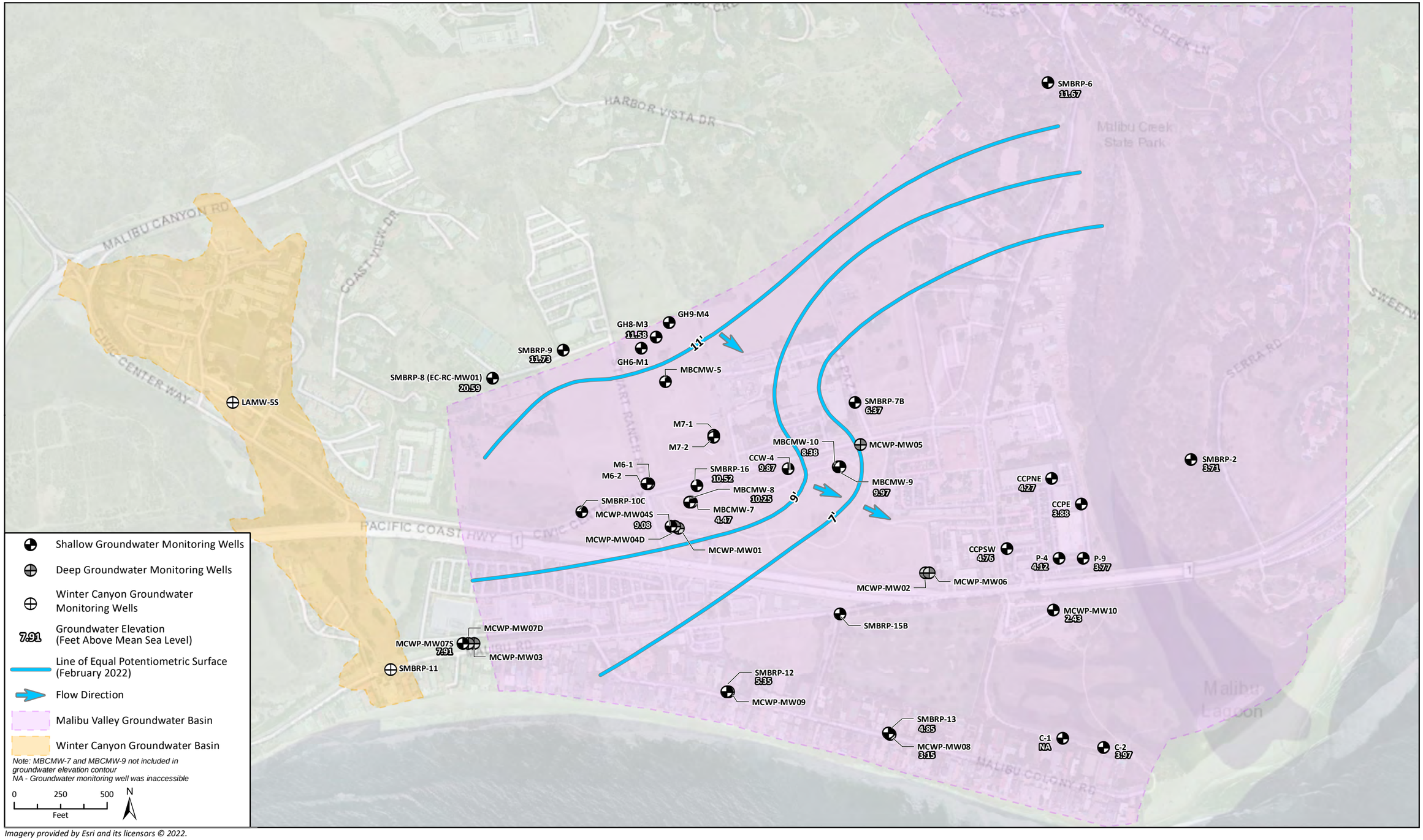


Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - January 2022

Figure 3

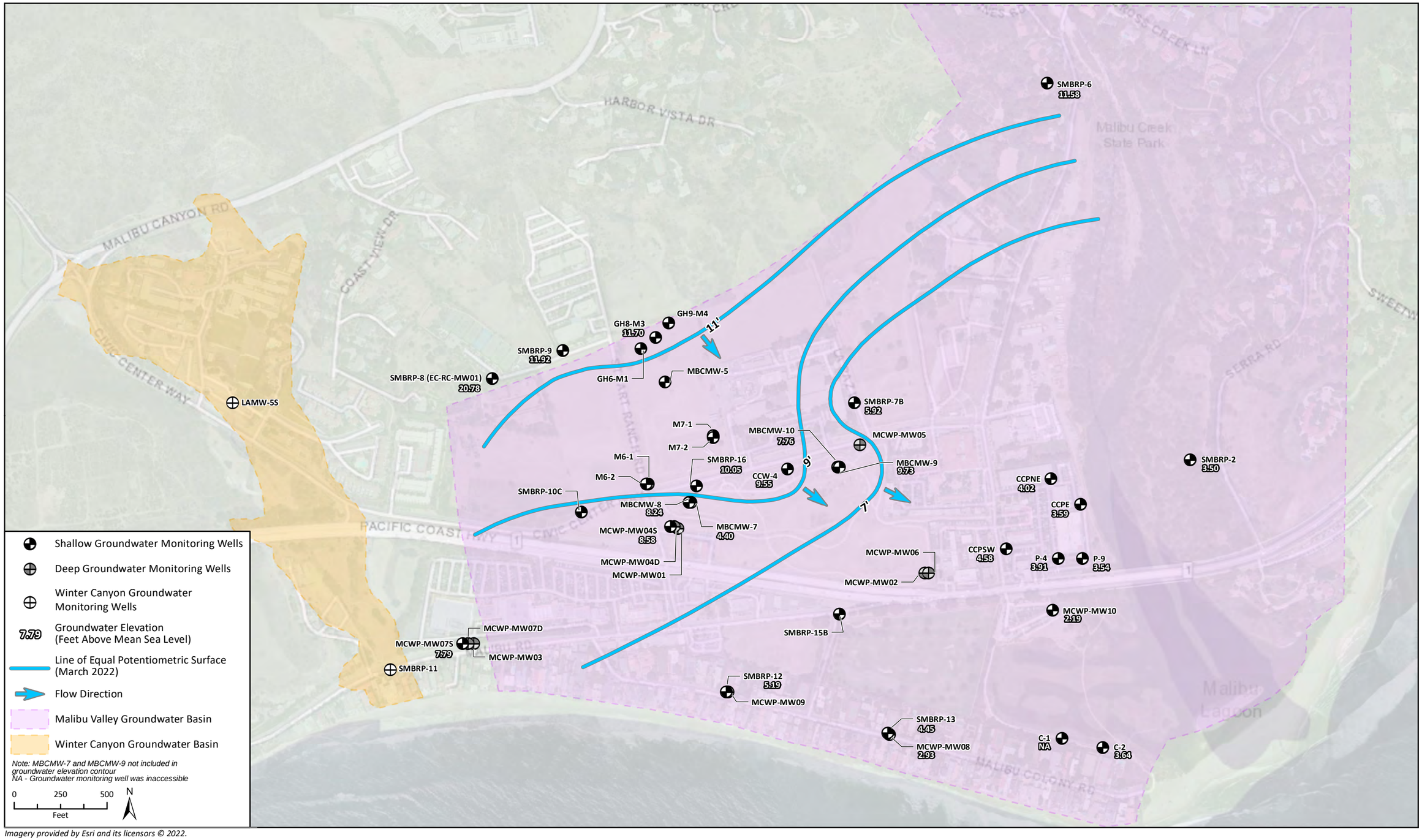
Rincon Consultants Inc.



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - February 2022

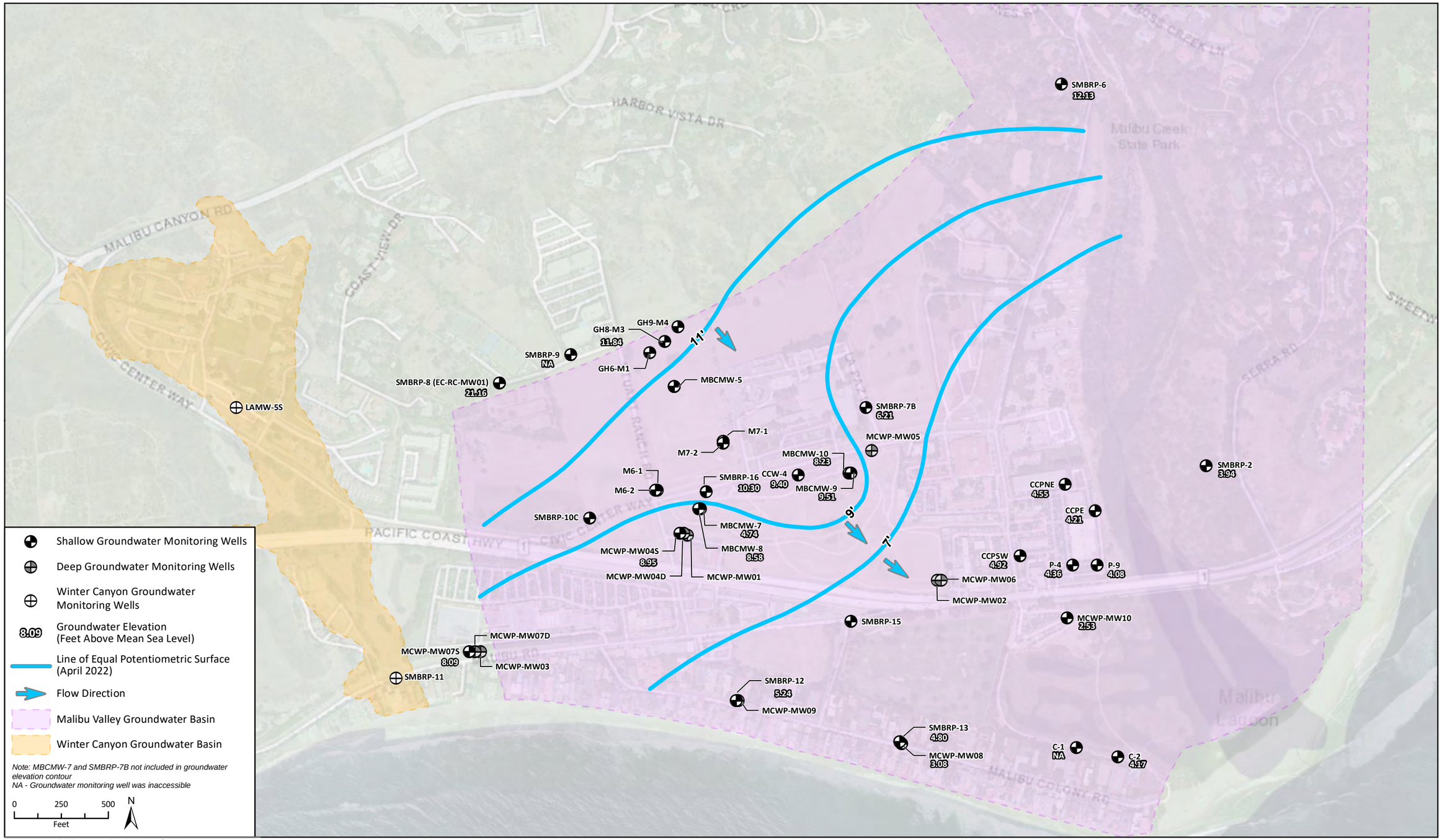
Figure 4



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - March 2022

Figure 5

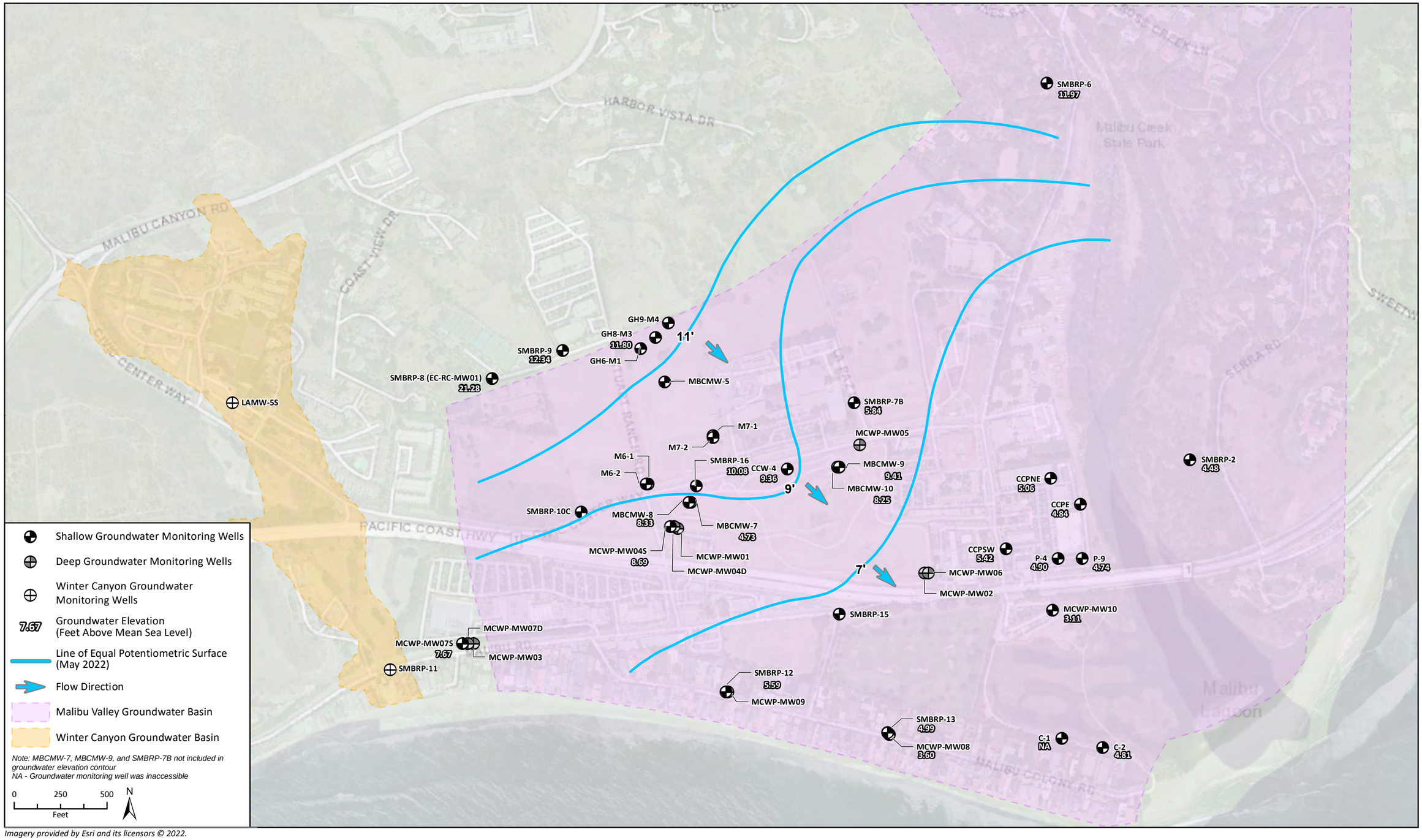


Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - April 2022

Figure 6

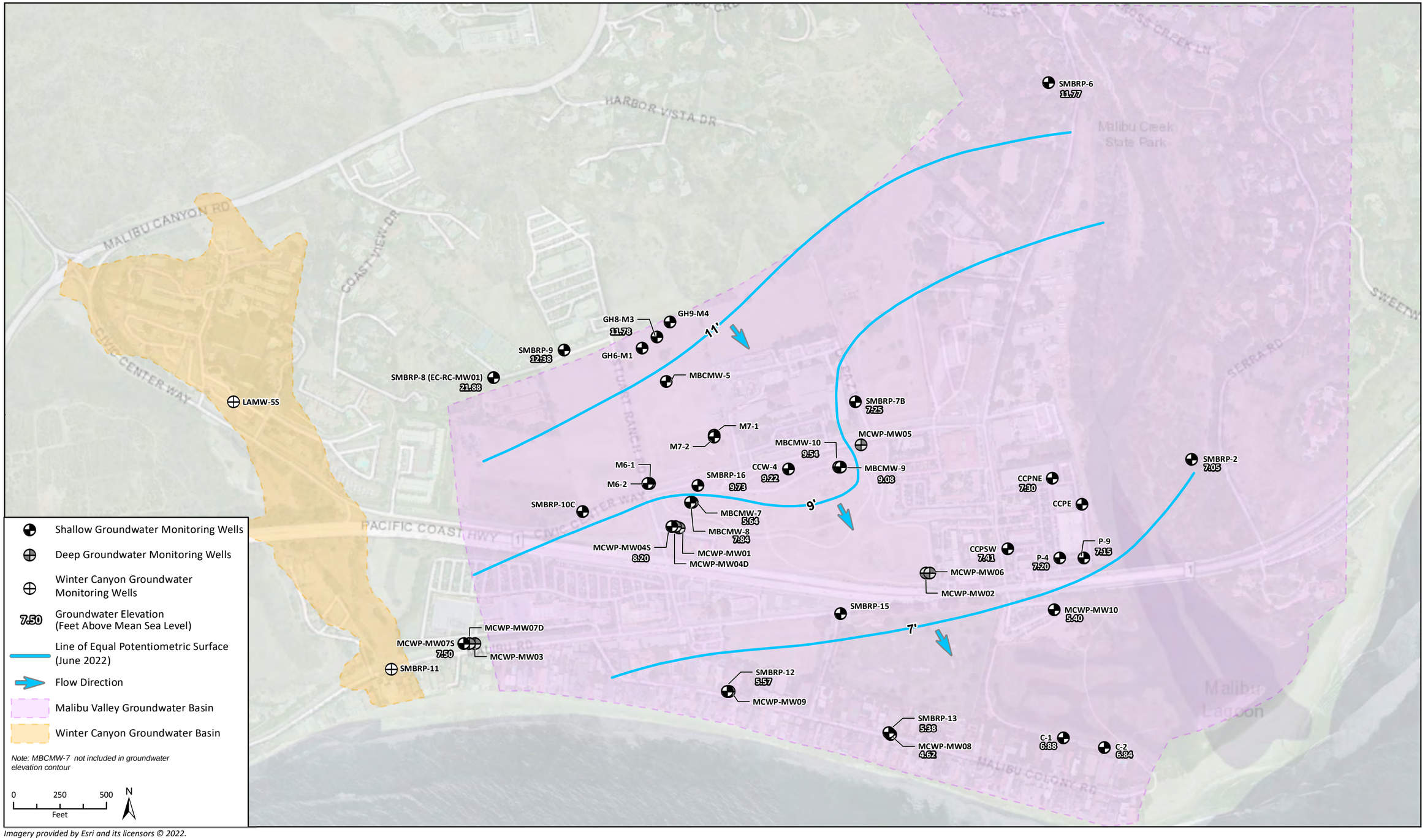
Rincon Consultants Inc.



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - May 2022

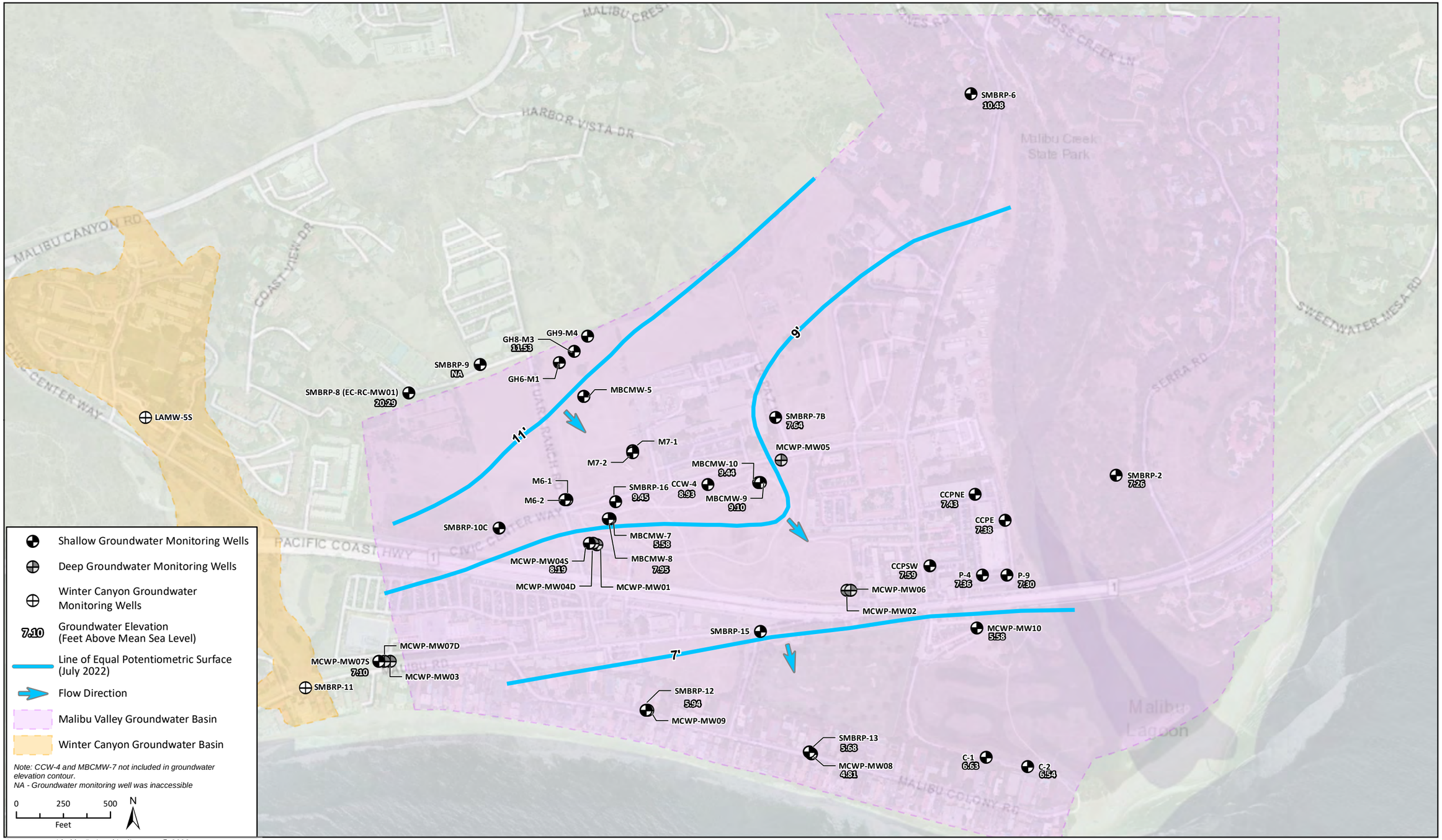
Figure 7



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - June 2022

Figure 8

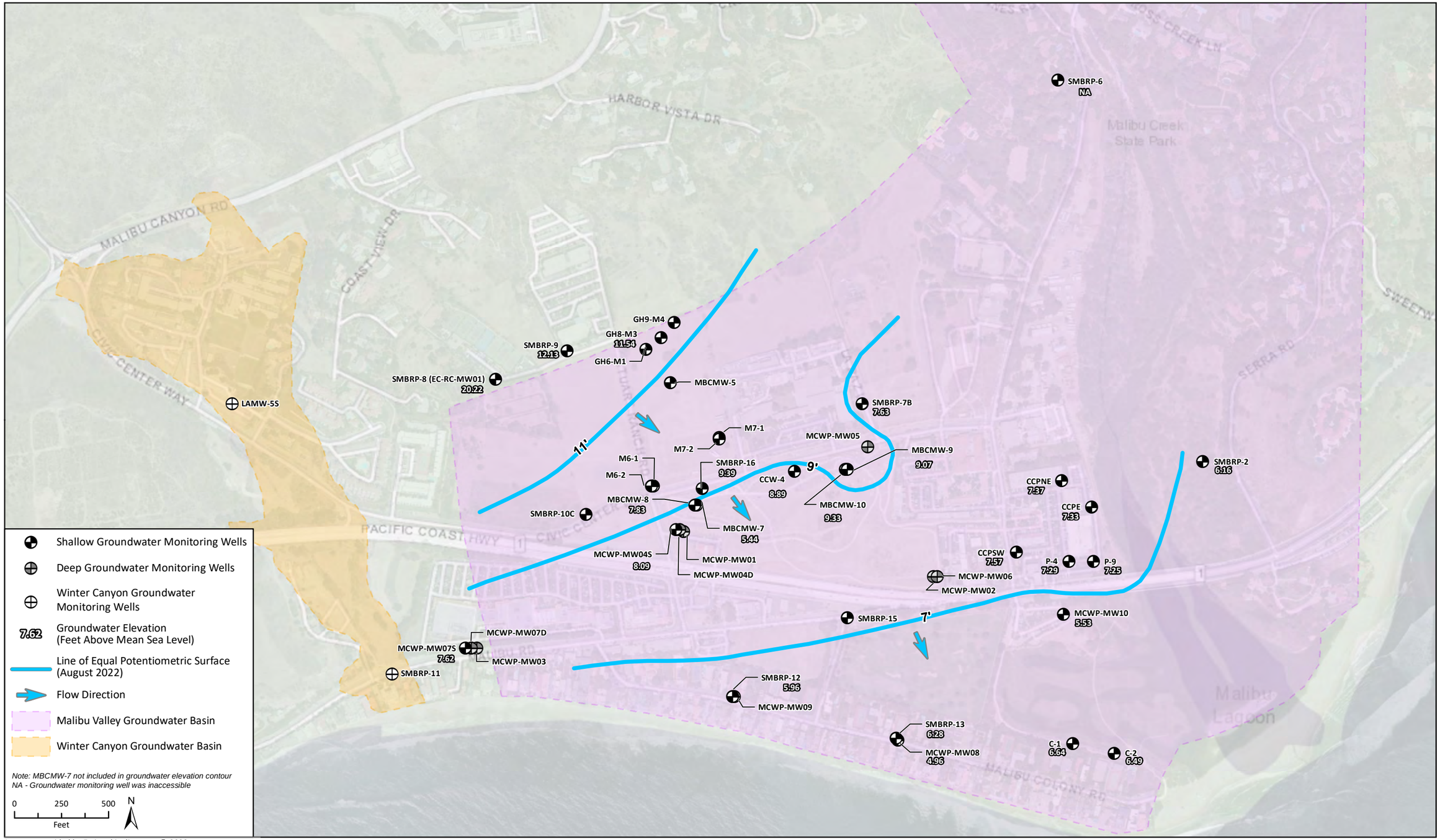


Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - July 2022

Figure 9

Rincon Consultants Inc.

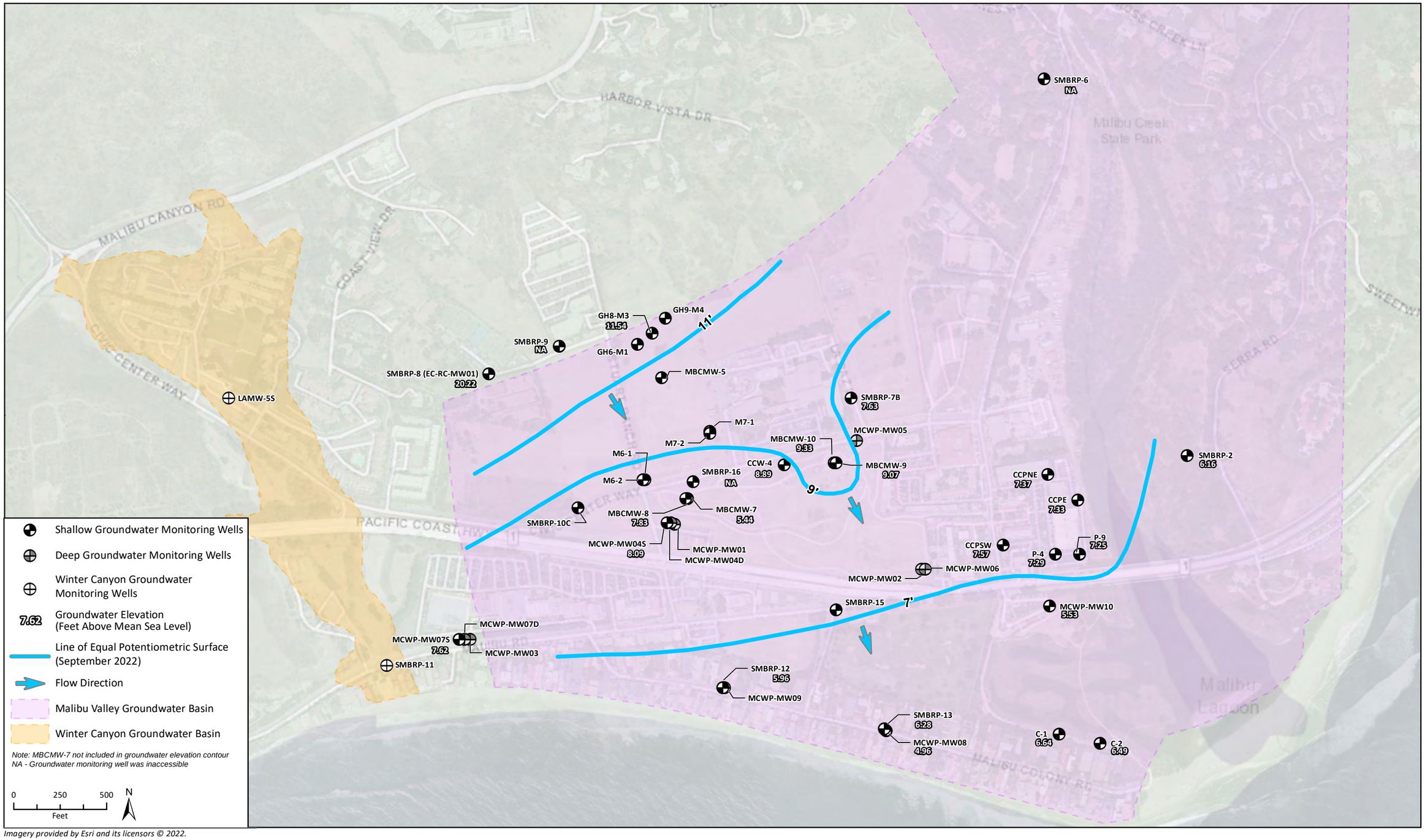


Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - August 2022

Figure 10

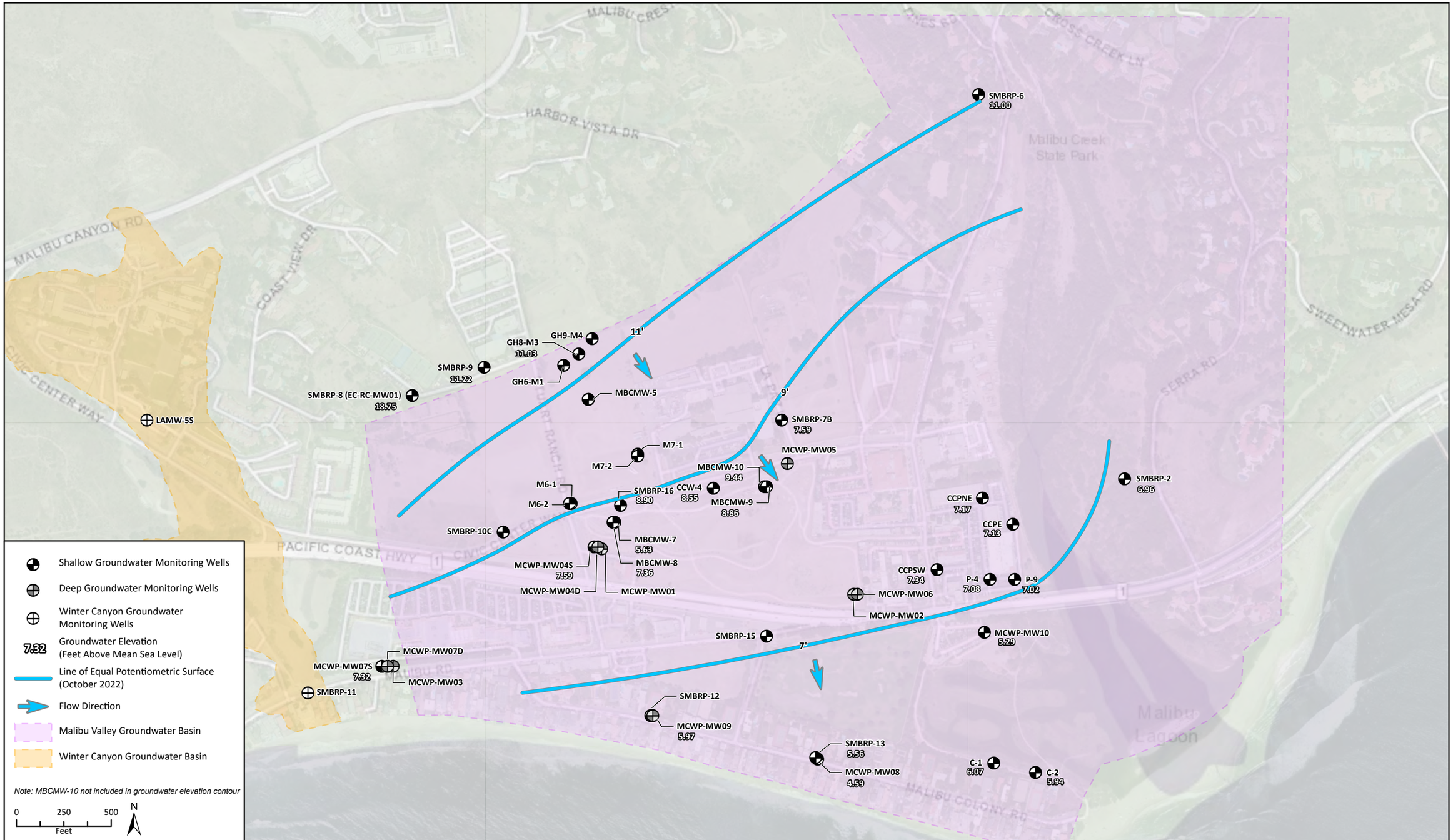
Rincon Consultants Inc.



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - September 2022

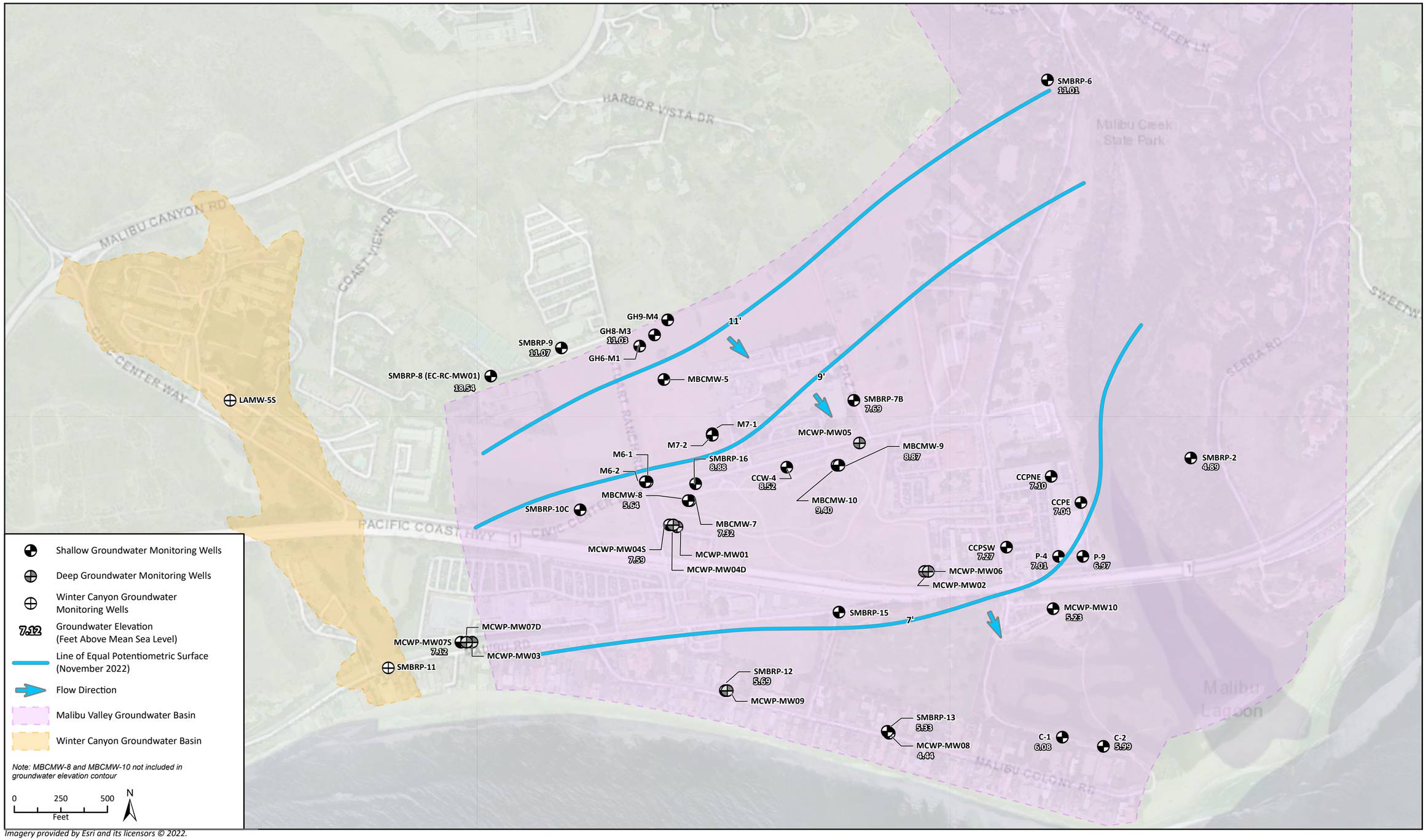
Figure 11



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - October 2022

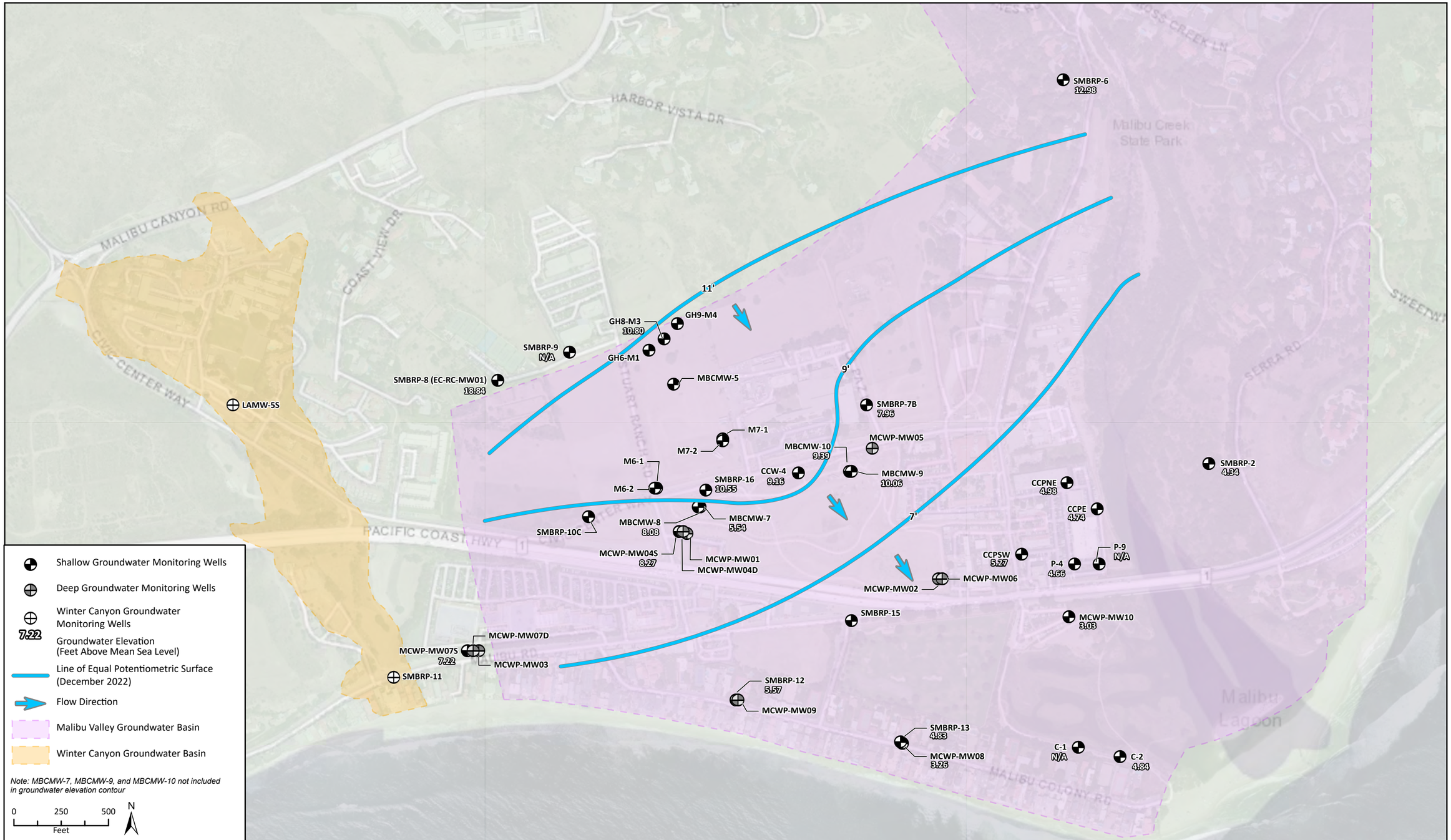
Figure 12



Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - November 2022

Figure 13

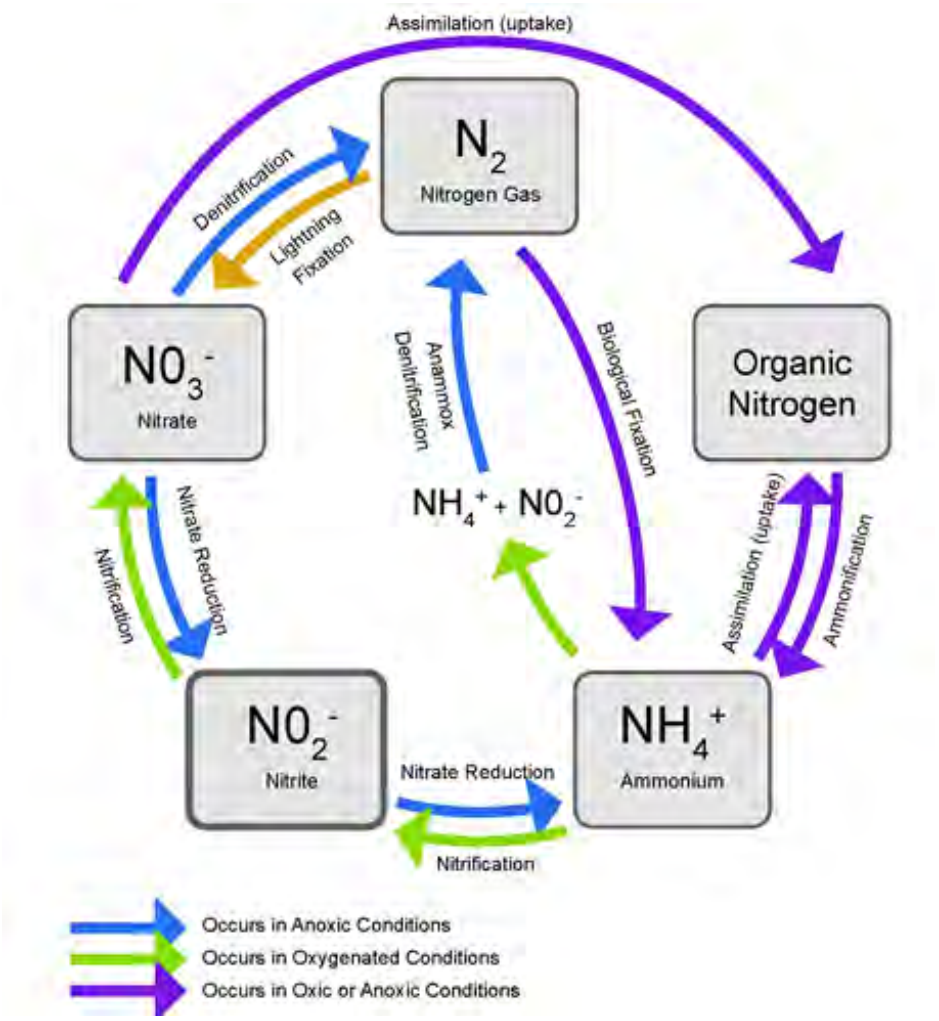


Imagery provided by Esri and its licensors © 2022.

Shallow Groundwater Elevation - December 2022

Figure 14

Rincon Consultants Inc.



The Nitrogen Cycle Figure 15

Appendix A

Groundwater and Surface Water Field Sheets

Malibu

Monthly Gauging Sheet

MICHELLE CARTER

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	Time 1/24/22	Depth to Water	Well Head Deficiencies Comments
C-1	14.5	n/a	1330	DRY	TD=5.8 MUD IN WELL BOX + CASING, missing bolts
C-2	14.5	2	1345	7.47	SAND IN WELL BOX, missing bolts
CCPE	52	2	1430	8.8	LID DOES NOT SIT WELL
CCPNE		2	1425	9.25	missing both bolts
CCPSW		2	1440	8.8	missing bolts
CCW-4		1	1508	5.6	GOOD
GH6-M1	35	2	1533	29.7	missing bolts
GH8-M3	40	2	1537	28.99	"
GH9-M4	45	2			BURIED
Lagoon	n/a	n/a			
LAMW-5S	74	4	1235	57.55	missing well cap
M6-1	45	2	1540	6.43	GOOD
M6-2	20	2	1541	4.30	"
M7-1	40	2	1525	7.95	GOOD
M7-2	25	2	1526	7.0	"
MBCMW-5	19.4	n/a	1530	DRY	TD=18.25
MBCMW-6	64.26	n/a			REMOVED
MBCMW-7	52.5	2	1503	11.87	missing bolts
MBCMW-8	10	2	1504	6.87	missing bolts
MBCMW-9	9	2	1514	7.6	missing bolts
MBCMW-10	53	2	1515	9.15	"
MCWP-MW01	148	6	1455	10.7	
MCWP-MW02	145	6	1446	12.63	missing bolts
MCWP-MW03	134	6	1239	8.13	missing both bolts mud in well box due to flooding
MCWP-MW04D	145	4	1453	10.12	
MCWP-MW04S	20	4	1451	5.2	missing bolts
MCWP-MW05	150	4	1510	8.18	missing one bolt
MCWP-MW06	137	2	1445	10.43	missing bolts
MCWP-MW07D	134	2	1240	8.05	missing both bolts, mud in well box due to flooding
MCWP-MW07S	20	2	1246	5.45	missing one bolt, mud in well box due to flooding
MCWP-MW08	77	2		9.05	water in well box
MCWP-MW09	89	2	1303	6.49	water in well box
MCWP-MW10	22	2	1319	8.75	water in well box
P-4	12.5	4	1437	7.96	missing bolts
P-9	14.3	4	1435	8.25	missing bolts, mud in well box
SMBRP-2	25	2	1408	9.43	missing bolt, water in well box
SMBRP-6	25	2	1420	14.5	missing bolt, water in well box → GERMAN SHEPARDS NAME IS NOVA
SMBRP-7b	25	2	1519	11.42	GOOD
SMBRP-8 (EG-RC MW01)	60	4	1230	28.36	GOOD
SMBRP-9	45	2	1215	38.85	GOOD
SMBRP-10C	25	2			Removed
SMBRP-11	20	2	1255	8.46	missing one bolt
SMBRP-12	25	2	1300	7.15	
SMBRP-13	20	2	1310	8.69	water in well box
SMBRP-15b	25	1	1314	DRY	TD=8.3 missing well box lid
SMBRP-16	25	2			

Well Gauging

Project No.: 20-096665
Date: 02-21-22

Rincon Personnel: Landon L / Kerry Campbell
Project Name: Malibu CCWTF
Begin Time: 0850
End Time: 1700

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1 ✓✓		1230	dry	5.76	14.50		
C-2	2	1240	7.22	13.46	14.20		
CCPE	2	1545	9.06	52.24	52.70		
CCPNE	2	1540	9.41	24.07	24.10		
CCPSW	2	1525	8.91	21.07	19.90		
CCW-4	1	1135	5.90	12.07	12.30		
GH6-M1	2	1021	29.50	35.09	35.20		
GH8-M3	2	1025	28.63	39.25	40.21		
GH9-M4	———	unable to locate		———	44.29		
M6-1	2	1030	6.87	45.10	45.30		
M6-2	2	1035	4.86	19.40	19.40		
M7-1	2	0955	8.43	39.11	39.35		
M7-2	2	1000	7.69	19.42	19.60		
MBCMW-5		1005	dry	18.27	19.40		
MBCMW-6	———	well was removed		———	64.26		
MBCMW-7	2	1150	12.17	51.89	52.15		
MBCMW-8	2	1155	6.28	11.95	11.95		
MBCMW-9	2	1110	7.74	9.25	9.25		
MBCMW-10	2	1115	9.36	51.30	51.75		
MCWP-MW01	6	1355	10.99	152.88	152.88		
MCWP-MW02 ✓✓	6	1400	12.69	22.14	148.20		
MCWP-MW03	6	1419	8.55	132.64	136.65		
MCWP-MW04S	4	1345	6.21	20.45	20.45		

References:
ft bTOC – Feet below top of casing

rincon

Well Gauging

Project No.: 20-09665

Date: 02-21-22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1353	10.10	149.20	149.20		
MCWP-MW05	4	1055	8.40	150.37	154.40		
MCWP-MW06	2	1610	10.81	136.31	138.15		
MCWP-MW07S	2	1415	5.81	17.18	17.22		
MCWP-MW07D	2	1430	8.50	127.69	129.60		
MCWP-MW08	2	1505	9.06	79.20	79.38		
MCWP-MW09	2	1456	6.73	88.94	89.60		
MCWP-MW10	2	1215	8.68	22.17	22.23		
P-4	4	1550	8.04	10.48	14.57		
P-9	4	1530	8.40	13.29	13.90		
SMBRP-2	2	1635	9.42	24.87	24.88		
SMBRP-6	2	1650	15.21	23.41	23.45		
SMBRP-7B	2	1047	12.62	25.11	25.13		
SMBRP-8 (EC1-RC-MW01)	4	0935	28.10	40.26	40.46		
SMBRP-9	2	0942	38.59	44.81	45.40		
SMBRP-10C	~~"2~~	~~1459~~	~~7.27~~	~~24.57~~	25.00		
SMBRP-12	2	1459	7.27	24.57	24.88		
SMBRP-13	2	1509	8.73	19.40	19.48		
SMBRP-15B	1	1445	dry	8.30	8.40		
SMBRP-16	2	1130	3.98	25.00	25.00		
LAMW-5S	4	0915	56.77	73.43	73.43		
SMBRP-11	2	1440	8.80	20.07	20.38		
Lagoon					N/A		

References:

ft bTOC – Feet below top of casing

Well Gauging

Project No.: 20-09665
Date: 3/11/22

Rincon Personnel: LANDON L.
Project Name: Malibu Civic Center GWM

Begin Time: 0945
End Time: 1550

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	1423	DRY	5.91	14.50		
C-2	4	1425	7.55	14.07	14.20		
CCPE	2	1347	9.35	52.27	52.70		
CCPNE	2	1345	9.66	24.05	24.10		
CCPSW	2	1352	9.09	20.98	19.90		
CCW-4	1	1105	6.22	12.14	12.30		
GH6-M1	2	1028	29.41	34.84	35.20		
GH8-M3	2	1033	28.51	39.24	40.21		
GH9-M4	—	—	—	—	44.29	—	—
M6-1	2	1038	7.12	45.12	45.30		
M6-2	2	1036	5.25	19.63	19.40		
M7-1	2	1015	~~8.06~~ 8.71	39.02	39.35		8.71
M7-2	2	1017	8.06	19.40	19.60		
MBCMW-5	2	1025	DRY	18.29	19.40		
MBCMW-6	—	—	—	—	64.26	—	—
MBCMW-7	2	1053	12.24	51.85	52.15		
MBCMW-8	2	1055	8.29	11.92	11.95		
MBCMW-9	2	1120	7.98	9.24	9.25		
MBCMW-10	2	1125	9.98	51.23	51.75		
MCWP-MW01	6	1147	11.76	144.92	152.88		
MCWP-MW02	4	1508	12.87	21.98	148.20		
MCWP-MW03	— UNABLE TO GAUGE			—	136.65		car blocking
MCWP-MW04S	4	1138	6.71	20.45	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 3/11/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1142	10.99	145.10	149.20		
MCWP-MW05	4	1108	8.98	150.42	154.40		
MCWP-MW06	2	1510	11.15	136.31	138.15		
MCWP-MW07S	2	1210	5.93	17.13	17.22		
MCWP-MW07D	2	1200	9.48	127.64	129.60		
MCWP-MW08	2	1530	9.28	79.20	79.38		
MCWP-MW09	2	1535	7.19	89.03	89.60		
MCWP-MW10	2	1410	8.92	22.15	22.23		
P-4	4	1335	8.25	10.86	14.57		
P-9	4	1340	8.63	13.31	13.90		
SMBRP-2	2	1440	9.63	24.78	24.88		
SMBRP-6	2	1458	15.30	23.31	23.45		
SMBRP-7B	2	1130	13.07	25.05	25.13		
SMBRP-8 (EC1-RC-MW01)	4	1000	27.91	40.25	40.46		
SMBRP-9	2	1008	38.40	44.91	45.40		
SMBRP-10C	—	—	—	—	25.00	—	—
SMBRP-12	2	1545	7.43	24.45	24.88		
SMBRP-13	2	1535	9.13	19.35	19.48		
SMBRP-15B	1	1525	DRY	8.29	8.40		
SMBRP-16	2	1048	4.45	25.06	25.00		
LAMW-5S	4	0947	56.53	73.41	73.43		
SMBRP-11	2	1215	8.94	20.03	20.38		
Lagoon	—	—	—	—	N/A	—	—

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2.22.22

Rincon Personnel: LANDON LUJAN
Project Name: Malibu Civic Center annual GW
Weather Conditions: WINDY / CLOUDY
Well ID: MCWP-MW05
Begin/End Time: 0830 / 1125
Start Purge: 0840

Well and Purging Information

Total Well Depth (ft btoc):	150.37	Well Diameter (in):	4
Static Depth to Water (ft btoc):	8.81	Screened Interval (ft btoc):	—
Length of Water Column (ft):	141.56	Pump Inlet Depth (ft btoc):	20
One Casing Volume (gal):	92.0	3 Casing Volumes (gal):	276.0
DTW Indicator:	SOLINST Model 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or (µS/cm))	pH	Notes
0912	2.86	92	8.81	18.9	1	2093	6.98	PUMP CONTROL BOX DIED — DECAY 45min
1035	2.9	184	8.81	17.9	1	1983	7.26	
1110	2.9	276	8.81	18.5	0	2018	7.18	
Parameters at Sampling:			1115	18.7	1	2036	7.19	

Target Well Recovery DTW: 8.81 = Static DTW 8.81 + (0.2 x Max. Drawdown 0)

Sample and Misc. Information

Sample Date: 2.22.22	Sample ID: MCWP-MW05	Sampling Time: 1115
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method:
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/22/22	Laboratory: Enthalpy Analytical
Duplicate ID: ——— @	Equipment Blank ID: ——— @	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-22-22

Rincon Personnel: Kerry L. Campbell
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, windy
Well ID: SMBRP-7B
Begin/End Time: 1050 / 1145
Start Purge: 1113

Well and Purging Information

Total Well Depth (ft btoc):	25.11	Well Diameter (in):	2
Static Depth to Water (ft btoc):	12.95	Screened Interval (ft btoc):	—
Length of Water Column (ft):	12.16	Pump Inlet Depth (ft btoc):	24.00
One Casing Volume (gal):	1.9	3 Casing Volumes (gal):	5.7
DTW Indicator:	Solinst 102	Type of Pump:	electric submersible

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; (2" Dia. = 0.16 gal/ft); 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1118		2.0	17.10	22.0	11	1.30	6.88	
1123		4.0	18.84	21.4	16	1.81	7.04	
1128		6.0	21.21	21.8	21	1.95	7.00	
1132		8.0	23.74	21.5	25	2.21	7.06	
1132	—	—	well dewatered	@ 8.0g	—	—	—	
Parameters at Sampling:			13.14	21.3	22	2375	7.19	

Target Well Recovery DTW: 15.11 = Static DTW 12.79 + (0.2 x Max. Drawdown 10.79)

Sample and Misc. Information

Sample Date: 02-23-22	Sample ID: SMBRP-7B	Sampling Time: 1100
Did Well Dewater: (Yes) No	Field Meter Type: Hanna	Sampling Method: disp bailer
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-22-22	Laboratory: KS ~~disp bailer~~ Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-22-22

Rincon Personnel: Landon L, Kerry C
Project Name: Malibu Civic Center annual GW
Weather Conditions: Cloudy, windy
Well ID: MBCMW-9
Begin/End Time: 1135/1150
Start Purge: 1140

Well and Purging Information

Total Well Depth (ft btoc):	9.25	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.72	Screened Interval (ft btoc):	—
Length of Water Column (ft):	1.53	Pump Inlet Depth (ft btoc):	—
One Casing Volume (gal):	0.25	3 Casing Volumes (gal):	0.75
DTW Indicator:	Solinst 102	Type of Pump:	disp bailer

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; (2" Dia. = 0.16 gal/ft); 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0945	—	0.2	8.56	—	—	—	—	
—	—	well	dewatered @ 0.2 g, insuf. water to collect Parameter					
—	—	insuf	water to collect sample, No Samples taken					

Parameters at Sampling:
Target Well Recovery DTW: 7.89 = Static DTW 0.17 + (0.2 x Max. Drawdown 0.84)

Sample and Misc. Information

Sample Date:	Sample ID:	Sampling Time:
Did Well Dewater: KC Yes No	Field Meter Type: KC	Sampling Method:
Duplicate Collected: Yes No	Meter/Calibration Date:	Laboratory: KC
Duplicate ID: @	Equipment Blank ID: @	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2/22/22

Rincon Personnel: LANDON L.
Well ID: MCWP-MW06
Project Name: Malibu Civic Center annual GW
Begin/End Time: 1320 / 1420
Weather Conditions: WINDY / CLEAR
Start Purge: 1335

Well and Purging Information

Total Well Depth (ft btoc):	136.31	Well Diameter (in):	2
Static Depth to Water (ft btoc):	10.78	Screened Interval (ft btoc):	—
Length of Water Column (ft):	125.53	Pump Inlet Depth (ft btoc):	25
One Casing Volume (gal):	20.1	3 Casing Volumes (gal):	60.3
DTW Indicator:	Solinst Model 102	Type of Pump:	ES

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm ~~or µS/cm~~)	pH	Notes
~~21~~ 1345	2.5	21	11.00	21.9	5	1950	7.01	
~~42~~ 1353	↓	42	11.00	20.6	6	2049	7.19	
~~63~~ 1400	↓	63	10.96	20.3	2	2118	7.19	
Parameters at Sampling:			10.79	19.7	1	2152	7.19	

Target Well Recovery DTW: 10.79 = Static DTW ~~10.04~~ 10.79 + (0.2 x Max. Drawdown .22)

Sample and Misc. Information

Sample Date: 2/22/22	Sample ID: MCWP-MW06	Sampling Time: 1410
Did Well Dewater: Yes No	Field Meter Type: HANNA	Sampling Method: From tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/22/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 2

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-22-22

Rincon Personnel: Kerry L. Campbell
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, windy
Well ID: SMBRP-9
Begin/End Time: 1305 / 1425
Start Purge: 1355

Well and Purging Information

Total Well Depth (ft btoc):	44.81	Well Diameter (in):	2
Static Depth to Water (ft btoc):	38.90	Screened Interval (ft btoc):	—
Length of Water Column (ft):	5.91	Pump Inlet Depth (ft btoc):	~~43.50~~ 44.00
One Casing Volume (gal):	0.9	3 Casing Volumes (gal):	2.7
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1358	0.3 1.0→	~~40.81~~	40.81	23.0	18	1.51	7.09	
1402	0.3 2.0→	~~41.35~~	41.35	22.7	24	1.60	7.07	
1405	0.3 3.0→	~~42.08~~	42.08	22.4	34	1.60	7.08	
1408	0.3	4.0	42.71	22.6	36	1.56	7.14	
1412	0.3	5.0	43.55	22.7	64	1.58	7.17	
—	5 casing volumes removed, purge complete							—
Parameters at Sampling:			39.83	22.5	51	1.57	7.17	

Target Well Recovery DTW: 39.83 = Static DTW 38.90 + (0.2 x Max. Drawdown 4.65)

Sample and Misc. Information

Sample Date: 02-22-22	Sample ID: SMBRP-9	Sampling Time: 1440
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: ded. tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-22-22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2/23/22

Rincon Personnel:	LANDON L.	**Well ID:**	MCWP - MW04D
Project Name:	**Malibu Civic Center annual GW**	**Begin/End Time:**	0810/1000
Weather Conditions:	CLEAR	**Start Purge:**	0820

Well and Purging Information

Total Well Depth (ft btoc):	127.69	Well Diameter (in):	4
Static Depth to Water (ft btoc):	10.91	Screened Interval (ft btoc):	—
Length of Water Column (ft):	116.78	Pump Inlet Depth (ft btoc):	20
One Casing Volume (gal):	76	3 Casing Volumes (gal):	228
DTW Indicator:	Solinst Model 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0845	2.5	76	10.91	19.0	Ø	2171	7.19	
0910		152	10.91	19.0	Ø	2166	7.15	
0950		228	10.91	18.5	Ø	2158	7.12	
Parameters at Sampling:			10.91	18.8	Ø	2148	7.13	

Target Well Recovery DTW: 10.91 = Static DTW 10.91 + (0.2 x Max. Drawdown 0)

Sample and Misc. Information

Sample Date: 2/23/22	Sample ID: MCWP-MW04D	Sampling Time: 0955
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: From Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/23/22	Laboratory: Enthalpy Analytical
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2-23-22

Rincon Personnel: Kerry L. Campbell, Jon B
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, clear
Well ID: CCPE
Begin/End Time: 0830/1005
Start Purge: 0858

Well and Purging Information

Total Well Depth (ft btoc):	52.24	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.99	Screened Interval (ft btoc):	
Length of Water Column (ft):	43.25	Pump Inlet Depth (ft btoc):	15.00
One Casing Volume (gal):	6.9	3 Casing Volumes (gal):	20.8
DTW Indicator: Solinst 102 →		Type of Pump:	ele. sub.

References: (1" Dia. = 0.041 gal/ft) 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. ~~(mS/cm)~~ or µS/cm)	pH	Notes
0905	0.7	7.0	9.02	16.3	2	1.85	6.95	
0917	|	14.0	9.02	18.4	1	1.73	7.27	
0928	|	21.0	9.13	19.3	1	1.66	7.24	
0939	|	28.0	9.10	19.6	1	1.65	7.09	
0950	⊥	35.0	9.10	19.5	1	1.64	7.11	
Parameters at Sampling:			9.10	19.16	1	1.63	7.10	

Target Well Recovery DTW: 8.99 = Static DTW 8.99 + (0.2 x Max. Drawdown 0.14)

Sample and Misc. Information

Sample Date: 02-23-22	Sample ID: CCPE	Sampling Time: 0955
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: ele. sub/ded tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-23-22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-23-22

Rincon Personnel: Kerry L. Campbell, Jon B
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, windy
Well ID: ~~mcwp-mw049~~ mcwp-mw049
Begin/End Time: 1015 / 1105
Start Purge: 1038

Well and Purging Information

Total Well Depth (ft btoc):	20.45	Well Diameter (in):	4
Static Depth to Water (ft btoc):	6.24	Screened Interval (ft btoc):	—
Length of Water Column (ft):	14.25	Pump Inlet Depth (ft btoc):	24.00
One Casing Volume (gal):	9.2	3 Casing Volumes (gal):	27.6
DTW Indicator: Solinst 102 →		Type of Pump:	ele. sub.

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; (4" Dia. = 0.65 gal/ft); 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1050	0.8	9.5	18.41	19.2	4	3.65	~~5~~ 7.59	
1050	—	well	dewatered @ 9.5 gal	—	—	—	—	

Parameters at Sampling:	6.86	20.5	13	3999 µS	7.49
Target Well Recovery DTW:	8.67	= Static DTW 6.24	+ (0.2 x Max. Drawdown 12.17)		

Sample and Misc. Information

Sample Date: 2/24/22	Sample ID: ~~mcwp-mw049~~ mcwp-mw049	Sampling Time: 0830 2/24/22
Did Well Dewater: (Yes) No	Field Meter Type: Hanna	Sampling Method: ded tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-23-22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 11

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-23-22

Rincon Personnel: Kerry L. Campbell
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, windy
Well ID: LAMW-5S
Begin/End Time: 1220 / 1312
Start Purge: 1235

Well and Purging Information

Total Well Depth (ft btoc):	73.43	Well Diameter (in):	4
Static Depth to Water (ft btoc):	56.83	Screened Interval (ft btoc):	—
Length of Water Column (ft):	16.60	Pump Inlet Depth (ft btoc):	~~55.80~~ wc 72.40
One Casing Volume (gal):	wc ~~10.79~~ 10.8	3 Casing Volumes (gal):	32.4
DTW Indicator:	Solinst 102	Type of Pump:	ele sub.

References: 1" Dia. = 0.041 gal/ft; (4" Dia. = 0.65 gal/ft); 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1249	0.8	11.0	67.94	21.8	21	1.40	6.85	
1303	0.8	22.0	71.91	20.9	106	1.29	6.93	
1305	~~23.0~~		well dewatered		@ 23.0g			DTW: 72.10

Parameters at Sampling:	57.05	22.9	50.0	1.26	6.63	
Target Well Recovery DTW:	59.85	= Static DTW 56.83	+ (0.2 x Max. Drawdown 15.27)			

Sample and Misc. Information

Sample Date: 02-24-22	Sample ID: LAMW-5S	Sampling Time: 1130
Did Well Dewater: (Yes) No	Field Meter Type: Hanna	Sampling Method: Bail
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-23-22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 5

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2/23/22

Rincon Personnel: LANDON L
Well ID: MCWP- MW07S
Project Name: Malibu Civic Center annual GW
Begin/End Time: 1400 / 1435
Weather Conditions: WINDY
Start Purge: 1410

Well and Purging Information

Total Well Depth (ft btoc):	17.18	Well Diameter (in):	2
Static Depth to Water (ft btoc):	5.89	Screened Interval (ft btoc):	—
Length of Water Column (ft):	11.29	Pump Inlet Depth (ft btoc):	16.5
One Casing Volume (gal):	1.8	3 Casing Volumes (gal):	5.4
DTW Indicator:	SOLINST Model 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1417		2.0	12.41	19.6	>1000	1982	7.47	
1425		4.0	14.62	19.1	>1000	1946	7.45	
—	—	6.0	—	—	well Dewatered	—	—	—

Parameters at Sampling:	6.40	18.8	650	1944	7.58	
Target Well Recovery DTW:	7.64	= Static DTW 5.89 + (0.2 x Max. Drawdown 8.73)				

Sample and Misc. Information

Sample Date: 2/24/22	Sample ID: MCWP- MW07S	Sampling Time: 0900
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Bail
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/23/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-23-22

Rincon Personnel: Kerry L. Campbell
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, windy
Well ID: mCWP-MW07D
Begin/End Time: 1350 / 1455
Start Purge: 1400

Well and Purging Information

Total Well Depth (ft btoc):	127.69	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.54	Screened Interval (ft btoc):	~~15.00~~ KK
Length of Water Column (ft):	119.15	Pump Inlet Depth (ft btoc):	15.00
One Casing Volume (gal):	19.0	3 Casing Volumes (gal):	57.0
DTW Indicator:	Solinst 102	Type of Pump:	ele sub.

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1410	1.9	19.0	8.54	20.8	5	1.30	7.47	
1420	"	38.0	8.54	21.2	2	1.28	7.43	
1430	"	57.0	8.54	21.3	2	1.25	7.44	
							~~7.48~~ KK	

Parameters at Sampling:	8.54	21.2	2	1.22	7.48	
Target Well Recovery DTW:	8.54	= Static DTW 8.54	+ (0.2 x Max. Drawdown 0	)		

Sample and Misc. Information

Sample Date: 02-23-22	Sample ID: mCWP-MW07D	Sampling Time: 1435
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: ele sub, ded tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-23-22	Laboratory: Enthalpy
Duplicate ID: —— @ ——	Equipment Blank ID: —— @ ——	Number of Bottles:

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2/23/22

Rincon Personnel: Landon L.
Project Name: Malibu Civic Center annual GW
Weather Conditions: Cloudy
Well ID: SMBRP-11
Begin/End Time: 1445
Start Purge: 1450

Well and Purging Information

Total Well Depth (ft btoc):	24.57	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.84	Screened Interval (ft btoc):	—
Length of Water Column (ft):	15.73	Pump Inlet Depth (ft btoc):	23.00
One Casing Volume (gal):	2.52	3 Casing Volumes (gal):	7.55
DTW Indicator:	Solinst Model 102	Type of Pump:	~~Re 1450~~ ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1500	0.3	2.75	14.94	19.9	190	2808	6.87	
1510	0.3	5.50	18.41	20.1	70	2796	6.89	
—	—	8.25	23.00	—	Dewatered	—	—	—
Parameters at Sampling:			8.92	20.4	45	2465	7.00	

Target Well Recovery DTW: 11.67 = Static DTW 8.84 + (0.2 x Max. Drawdown 14.16)

Sample and Misc. Information

Sample Date: 2/24/22	Sample ID: SMBRP-11	Sampling Time: 1000
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Bail
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/23/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2/24/22

Rincon Personnel: LANDON L. / MARISSA DH
Project Name: Malibu CCWTF Q1
Weather Conditions: Clear
Well ID: MCWP-MW10
Begin/End Time: 1010
Start Purge: 1022

Well and Purging Information

Total Well Depth (ft btoc):	22.17	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.75	Screened Interval (ft btoc):	—
Length of Water Column (ft):	13.42	Pump Inlet Depth (ft btoc):	12.00
One Casing Volume (gal):	2.15	3 Casing Volumes (gal):	6.45
DTW Indicator:	Solinst model 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1028	0.5	2.5	8.84	20.2	2	3999	7.12	
1033	↓	5	8.76	20.3	1	3999	7.11	
1037	↓	7.5	8.81	20.6	1	3999	7.09	

Parameters at Sampling: 8.77
Target Well Recovery DTW: 8.77 = Static DTW 8.75 + (0.2 x Max. Drawdown 0.09)

Sample and Misc. Information

Sample Date: 2/24/22	Sample ID: MCWP-MW10	Sampling Time: 1040
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Pump
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/24/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: **20-09665**

Date: 02-24-22

Rincon Personnel: Kerry L. Campbell

Project Name: Malibu Civic Center annual GW

Weather Conditions: Sunny

Well ID: mcwp-mw09 ~~mcpw-mw09~~ KC

Begin/End Time: 1215 / 1310

Start Purge: 1229

Well and Purging Information

Total Well Depth (ft btoc):	88.94	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.27	Screened Interval (ft btoc):	—
Length of Water Column (ft):	81.67	Pump Inlet Depth (ft btoc):	14.00
One Casing Volume (gal):	13.1	3 Casing Volumes (gal):	39.3
DTW Indicator:	Solinst 102	Type of Pump:	electric submersible

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1241	1.1	13.5	7.60	21.0	8	2.64	7.32	
~~1254~~ KC ← 1254	1.1	26.5	7.62	21.7	4	2.50	7.30	
1305	1.1	39.5	7.62	21.7	3	2.49	7.33	

Parameters at Sampling:	7.29	21.7	3	2.51	7.32	
Target Well Recovery DTW:	7.34	= Static DTW 7.27	+ (0.2 x Max. Drawdown 0.35)			

Sample and Misc. Information

Sample Date: 02-24-22	Sample ID: KC ~~mcpw-mw09~~ mcwp-mw09	Sampling Time: 1310
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: ded tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: KC ~~Hanna~~ 02-24-22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: KC 11

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 2/24/22

Rincon Personnel: LANDON L.
Project Name: MALIBU LCWTF Q1
Weather Conditions: Clear
Well ID: SMBRP-13
Begin/End Time: 1230 / 1330
Start Purge: 1248

Well and Purging Information

Total Well Depth (ft btoc):	19.40	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.82	Screened Interval (ft btoc):	—
Length of Water Column (ft):	10.58	Pump Inlet Depth (ft btoc):	17.00
One Casing Volume (gal):	1.70	3 Casing Volumes (gal):	5.1
DTW Indicator:	Solinst Model 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1254	0.3	2	8.86	21.0	14	2.86	~~7.17~~	7.11
1300	1	4	8.86	20.6	7	2.88	7.11	
1308	—	6	8.86	20.4	6	2.92	7.13	

Parameters at Sampling:	8.83	20.8	6	2.92	7.12
Target Well Recovery DTW:	8.83	= Static DTW 8.82 + (0.2 x Max. Drawdown .04)			

Sample and Misc. Information

Sample Date: 2/24/22	Sample ID: SMBRP-13	Sampling Time: 1320
Did Well Dewater: Yes (No)	Field Meter Type: ~~2/24/22~~ HANNA	Sampling Method: TUBING
Duplicate Collected: Yes (No)	Meter/Calibration Date: 2/24/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 02-24-22

Rincon Personnel: Kerry L. Campbell
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny
Well ID: SMBRP-12
Begin/End Time: 1310/1410
Start Purge: 1320

Well and Purging Information

Total Well Depth (ft btoc):	24.57	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.32	Screened Interval (ft btoc):	—
Length of Water Column (ft):	17.25	Pump Inlet Depth (ft btoc):	14
One Casing Volume (gal):	2.8	3 Casing Volumes (gal):	8.4
DTW Indicator:	Solinst 102	Type of Pump:	electric submersible

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1325 ~~1305~~	0.2	3.0	7.72	21.1	3	2.47	7.04	
1330	0.2	6.0	7.75	21.4	2	2.39	7.03	
1335	0.2	9.0	7.75	21.4	2	2.44	7.04	
Parameters at Sampling:			7.32	22.0	2	2.29	7.05	

Target Well Recovery DTW: 7.41 = Static DTW 7.32 + (0.2 x Max. Drawdown ~~7.75 - 7.32~~) 0.43

Sample and Misc. Information

Sample Date: 02/24/22	Sample ID: SMBRP-12	Sampling Time: 1350
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: dedicated tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 02-24-22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 11

Additional Notes:

Surface Water Sampling

Job No: 20-09665	**Event:** Fed 2022 Surface Water
Project: Malibu CCWTF	**Date:** February 22, 2022
Location: Malibu, CA	**Sampled By:** Lindsey S & Marissa D

CONDITIONS

Weather: Clear, 56 degrees	**Wind:** 10-15mph
Estuary Berm: Open	

DAILY TIDES

LOW	Time: 07:39	Feet: 0.78	**HIGH**	Time: 13:26	Feet: 133

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife Type, # On Land # In Water
N-001	07:38	Calm	Clear	Clear	None	None	Na, ,
N-002	07:54	Calm	Clear	Clear	None	None	Na, ,
N-003	08:19	Calm	Clear	Clear	None	None	Western gull, 75, 4 Brown pelican, 2, 0 California gull, 3, 5
N-004	07:17	Rough	Clear	Clear	None	None	Na, ,
L-001	10:07	Calm	Clear	Clear	None	None	Na, ,
L-002	10:46	Calm	Clear	Brown	None	None	Commerant, 0, 2
L-003	10:28	Calm	Clear	Clear	None	None	Na, ,
L-004	11:16	Calm	Cloudy	Brown	None	None	Scooters, 0, 35
L-005	08:35	Calm	Clear	Clear	None	None	Ringbilled gull, 25, 5
L-006	11:30	Calm	Muddy	Brown	Rotten Eggs	None	Na, ,

Well Gauging

Project No.: 20-09665
Date: 4/12/22

Rincon Personnel: LANDON L.
Project Name: Malibu Civic Center GW gauging

Begin Time: 0936
End Time: 1400

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	1225	DRY ~~DRY~~	5.91	14.50		
C-2	4	1230	7.02 ~~7.55~~	14.07	14.20		
CCPE	2	~~1320~~ 1126	8.73 ~~9.35~~	52.27	52.70		
CCPNE	2	~~1315~~ 1115	9.13 ~~8.66~~	24.05	24.10		
CCPSW	2	1155	8.75 ~~9.09~~	20.98	19.90		
CCW-4	1	1036	6.37 ~~6.22~~	12.14	12.30		
GH6-M1	2	1007	29.22 ~~29.41~~	34.84	35.20		
GH8-M3	2	1008	28.37 ~~28.51~~	39.24	40.21		
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	1010	6.91 ~~7.12~~	45.12	45.30		
M6-2	2	1012	5.07 ~~5.25~~	19.63	19.40		
M7-1	2	0955	8.41 ~~8.31~~	39.02	39.35		
M7-2	2	1000	7.75	19.40	19.60		
MBCMW-5	2	1005	DRY ~~DRY~~	18.29	19.40		
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	1025	11.90 ~~11.24~~	51.85	52.15		
MBCMW-8	2	1027	7.95 ~~8.29~~	11.92	11.95		
MBCMW-9	2	1030	8.20 ~~7.98~~	9.24	9.25		
MBCMW-10	2	1035	9.51 ~~9.08~~	51.23	51.75		
MCWP-MW01	6	1305	11.55 ~~11.76~~	144.92	152.88		
MCWP-MW02	4	1250	12.62 ~~12.27~~	21.98	148.20		
MCWP-MW03	6	1318	9.53 ~~9.55~~	132.64	136.65		
MCWP-MW04S	4	1300	6.34 ~~6.71~~	20.45	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

rincon

Well Gauging

Project No.: 20-09665

Date: 4/12/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1303	10.72 (10.99)	145.10	149.20		
MCWP-MW05	4	1040	8.50 (8.88)	150.42	154.40		
MCWP-MW06	2	1255	10.98 (11.15)	136.31	138.15		
MCWP-MW07S	2	1310	5.63 (5.93)	17.13	17.22		
MCWP-MW07D	2	1315	9.42 (9.48)	127.64	129.60		
MCWP-MW08	2	1350	9.13 (9.28)	79.20	79.38		
MCWP-MW09	2	1355	7.27 (7.19)	89.03	89.60		
MCWP-MW10	2	1215	8.58 (8.92)	22.15	22.23		
P-4	4	1135	7.80 (8.25)	10.86	14.57		
P-9	4	1130	8.09 (8.63)	13.31	13.90		
SMBRP-2	4	1240	9.19 (9.63)	24.78	24.88		
SMBRP-6	2	1100	14.75 (15.30)	23.31	23.45		
SMBRP-7B	2	1050	12.78 (13.07)	25.05	25.13		
SMBRP-8 (EC1-RC-MW01)	4	0942	27.53 (27.91)	40.25	40.46		
SMBRP-9	2	0947	N/A (22.40)	44.91	45.40		car parked on top
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	1400	7.38 (7.35)	24.45	24.88		
SMBRP-13	2	1345	8.78 (9.13)	19.35	19.48		
SMBRP-15B	1	1330	DRY (DRY)	8.29	8.40		
SMBRP-16	2	1020	4.20 (4.45)	25.00	25.00		
LAMW-5S	4	0938	56.51 (56.53)	73.41	73.43		
SMBRP-11	2	1325	8.85 (9.04)	20.03	20.38		
~~Lagoon~~	—	—	—	—	~~N/A~~	—	—

References:

ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 5/9/22

Rincon Personnel: LANDON L. / JON B.
Project Name: MALIBU CIVIC CENTER GW Q2

Begin Time: 0855
End Time: 1420

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC) Measured	Total Depth (ft bTOC) Constructed / Historical	Well Condition	Notes
C-1	4	0905	DRY	5.71	14.50		
C-2	4	0910	6.38	13.40	14.20		
A721 CCPE	2	1228	8.10	52.85	52.70	Broken lid	Replace well cap/bo
CCPNE	2	1225	8.62	24.05	24.10	No bolts, stripped tabs	
CCPSW	2	1245	8.25	20.99	19.90	No tabs, no bolts.	
CCW-4	1	1040	6.41	12.14	12.30	ok stripped threads	
GH6-M1	2	1125	29.20	34.84	35.20	no bolts	
GH8-M3	2	1130	28.41	39.24	40.21	no bolts	
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	1135	6.96	45.12	45.30	ok	
M6-2	2	1140	5.41	19.63	19.40	ok	
M7-1	2	1110	8.48	39.02	39.35	good	
M7-2	2	1105	7.83	19.40	19.60	good	
MBCMW-5	2	1115	DRY	18.29	19.40	ok	
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	1050	11.91	51.85	52.15		
MBCMW-8	2	1055	8.20	11.92	11.95	No bolts	LID unsecurable
MBCMW-9	2	1030	8.30	9.24	9.25	1 bolt	
MBCMW-10	2	1035	9.49	51.23	51.75	1 bolt	
MCWP-MW01	6	1115	11.35	144.85	152.88	No bolts, strip tab	
MCWP-MW02	4	1305	12.20	22.02	148.20		
MCWP-MW03	4	1000	9.10	132.77	136.65		missing bolts, stripped ta
MCWP-MW04S	4	1050	6.60	20.45	20.45		missing 1 bolt

References:
ft bTOC – Feet below top of casing

8.65
24.82

Scanned with CamScanner

Well Gauging

Project No.: 20-09665

Date: 5/9/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1100	10.48	145.28	149.20	no bolts, strip tab	
MCWP-MW05	4	1025	8.51	156.42	154.40	1 bolt, ok	
MCWP-MW06	2	1300	10.83	136.31	138.15	No bolts, OT	
MCWP-MW07S	2	1020	6.05	17.11	17.22	poor no bolts	
MCWP-MW07D	2	1010	9.04	127.76	129.60	" " no tabs	
MCWP-MW08	2	~~1345~~ 1353 JB	~~8.61~~ 8.60 JB	79.20	79.38	Flooded, broken tabs,	
MCWP-MW09	2	1330	6.90	89.99	89.60	Flooded, OT, broke tabs, 1 bolt, stripped	
MCWP-MW10	2	0930	8.00	22.13	22.23	ok, missing tab/stripped tab	
P-4	4	1240	7.26	10.80	14.57	Poor, cracked apron, strip tab, no bolts to seal	
P-9	4	1235	7.43	13.30	13.90	no bolts, no As	
SMBRP-2	4	0955	8.65	24.78	24.88	OK	
SMBRP-6	2	1010	14.91	23.31	23.45	OK missing bolt	
SMBRP-7B	2	1020	13.15	25.05	25.13	good	
SMBRP-8 (EC1-RC-MW01)	4	1130	27.41	40.29	40.46	2 Str	
SMBRP-9	2	~~1415~~ 1355 JB	37.98	44.93	45.40	~~No As, OT, Flooded, 1 broken tab~~ strip tab JB	
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	1330	7.03	24.47	24.88	No As, OT, Tabs stripped	
SMBRP-13	2	1340	8.59	19.32	19.48	No As, OT, Tabs stripped	
SMBRP-15B	1	1320	DRY	8.29	8.40	NO LID	
SMBRP-16	2	1045	4.42	25.00	25.00	NO bolts	
LAMW-5S	4	1355	56.46	73.99	73.43		OT, No As, Stripped tabs
SMBRP-11	2	1037	8.83	20.00	20.38	NO bolts	
~~Lagoon~~	—	—	—	—	N/A	—	—

References:

ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 6/15/22

Rincon Personnel: LANDON YL
Project Name: MALIBU CIVIC CTR GWM
Begin Time: 0810
End Time: 1350

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC) Measured	Total Depth (ft bTOC) Constructed / Historical	Well Condition	Notes
C-1	4	0915	4.59	5.72	14.50		
C-2	4	0905	4.35	~~14.~~ 13.60	14.20		
CCPE	2	—	—	—	52.70		Under Repair
CCPNE	2	1000	6.38	24.03	24.10		
CCPSW	2	0955	6.26	20.98	19.90		
CCW-4	1	1305	6.55	12.14	12.30		
GH6-M1	2	1210	29.30	34.84	35.20		
GH8-M3	2	1215	28.43	39.22	40.21		
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	1225	6.50	45.10	45.30		
M6-2	2	1223	5.60	19.63	19.40		
M7-1	2	1158	8.08	39.00	39.35		
M7-2	2	1200	7.50	19.40	19.60		
MBCMW-5	2	1205	DRY	18.22	19.40		
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	1255	11.00	51.83	52.15		
MBCMW-8	2	1300	8.69	11.92	11.95		
MBCMW-9	2	1317	8.63	9.24	9.25		
MBCMW-10	2	1315	8.20	51.21	51.75		
MCWP-MW01	6	1150	9.88	144.92	152.88		
MCWP-MW02	4	1325	10.60	21.98	148.20		
MCWP-MW03	6	~~0815~~ 0845	7.63	132.64	136.65		parked over by car
MCWP-MW04S	4	1145	7.09	20.40	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 6/15/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1147	9.83	145.18	149.20		
MCWP-MW05	4	1310	7.24	150.42	154.40		
MCWP-MW06	2	1330	9.47	136.31	138.15		
MCWP-MW07S	2	~~0840~~ 1340	6.22	17.13	17.22		Parked over by Motorhome
MCWP-MW07D	2	1342 ~~0840~~	7.50	127.60	129.60		↓
MCWP-MW08	2	0840	7.59	79.20	79.38		
MCWP-MW09	2	0850	5.95	88.98	89.60		
MCWP-MW10	2	0920	5.71	22.13	22.23		
P-4	4	0940	4.96	10.75	14.57		
P-9	4	0945	5.02	13.80	13.90		
SMBRP-2	4	0935	6.08	24.78	24.88		
SMBRP-6	2	~~0935~~	~~6.08~~	23.31	23.45		time 1010 / DTW 15.11
SMBRP-7B	2	1140	11.74	25.05	25.13		
SMBRP-8 (EC1-RC-MW01)	4	1025	26.81	40.25	40.46		
SMBRP-9	2	1030	37.94	44.91	45.40		
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	0845	7.05	24.45	24.88		
SMBRP-13	2	0835	8.20	19.35	19.48		
SMBRP-15B	1	0855	DRY	8.29	8.40		
SMBRP-16	2	1250	4.77	25.00	25.00		
LAMW-5S	4	1035	57.29	73.41	73.43		
SMBRP-11	2	0825	8.77	20.03	20.38		
~~Lagoon~~	—	—	—	—	~~N/A~~	—	—

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5.9.22

Rincon Personnel: London L / SB
Project Name: Malibu Civic Center annual GW
Weather Conditions: Clear windy
Well ID: MCWP-MW04 S
Begin/End Time: 1435 / 1512
Start Purge: 1448

Well and Purging Information

Total Well Depth (ft btoc):	20.95	Well Diameter (in):	4
Static Depth to Water (ft btoc):	6.60	Screened Interval (ft btoc):	—
Length of Water Column (ft):	13.85	Pump Inlet Depth (ft btoc):	18.5'
One Casing Volume (gal):	9.00	3 Casing Volumes (gal):	27.01
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1503	0.6	9.0	16.60	23.7	9.71	3.62 mS/cm	7.4	
1509	—		19.00					Dewatered 12gal

Parameters at Sampling:	8.60	20.1	3.42	3.15	7.17	
Target Well Recovery DTW:	9.08	= Static DTW 6.60	+ (0.2 x Max. Drawdown 12.4)			

Sample and Misc. Information

Sample Date: 5/10/22	Sample ID: MCWP-MW04S	Sampling Time: 5/10/22 0845
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Bailer
Duplicate Collected: Yes (No)	Meter/Calibration Date: HANNA 5/9/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles:

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5.10.22

Rincon Personnel: Jon B / Landon L
Project Name: Malibu Civic Center annual GW
Weather Conditions: Clear, Sunny
Well ID: MCWP-MW07S
Begin/End Time: 0945 / 1120
Start Purge: 0958

Well and Purging Information

Total Well Depth (ft btoc):	17.11	Well Diameter (in):	2
Static Depth to Water (ft btoc):	6.00	Screened Interval (ft btoc):	-
Length of Water Column (ft):	11.11	Pump Inlet Depth (ft btoc):	~ 16.0
One Casing Volume (gal):	1.78	3 Casing Volumes (gal):	5.34
DTW Indicator:	Solinist 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1002	0.4	2	14.21	21.2	134	1.34 mS	7.17	
1008	1	4	15.20	21.6	390	1.37 mS	7.18	slowed down flow rate.
		6						Dewatered
Parameters at Sampling:			7.29	21.4	503	1.32 mS	7.21	
Target Well Recovery DTW:			7.84	= Static DTW 6.00		+ (0.2 x Max. Drawdown 15.20)		

Sample and Misc. Information

Sample Date: 5.10.22	Sample ID: MCWP-MW07S	Sampling Time: 1040
Did Well Dewater: (Yes) No	Field Meter Type: Hanna	Sampling Method: Dedicated Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 5.10.22	Laboratory: Enthalpy
Duplicate ID: N/A @	Equipment Blank ID: N/A @	Number of Bottles: 11

Additional Notes:

7.29

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5/10/22

Rincon Personnel:	LANDON C.	**Well ID:**	MCWP-MW07D
Project Name:	Malibu Civic Center annual GW	**Begin/End Time:**	0940 / 1120
Weather Conditions:	Clear	**Start Purge:**	0953

Well and Purging Information

Total Well Depth (ft btoc):	127.76	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.90	Screened Interval (ft btoc):	—
Length of Water Column (ft):	118.86	Pump Inlet Depth (ft btoc):	25.0
One Casing Volume (gal):	19.02	3 Casing Volumes (gal):	57.05
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1012	1.2	19.5	9.01	22.0	3.1	1.27	7.22	
1028	↓	39.0	9.07	22.3	1.8	1.27	7.22	
1042	↓	58.5	9.12	22.6	~~1.8~~ 1.5	1.28	7.21	
Parameters at Sampling:			8.95	22.0	2.7	1.22	7.32	

Target Well Recovery DTW: 8.95 = Static DTW 8.90 + (0.2 x Max. Drawdown 0.22)

Sample and Misc. Information

Sample Date: 5/10/22	Sample ID: MCWP-MW07D	Sampling Time: 1100
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Del. Tubing
Duplicate Collected: Yes (NO)	Meter/Calibration Date: 5/10/22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 11

Additional Notes:

5 10 15 20 25 30 35 40 45 50

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5-10.22

Rincon Personnel: Landon L/Jon B
Project Name: Malibu Civic Center annual GW
Weather Conditions: Clear, Sunny
Well ID: SMBRP-9
Begin/End Time: 1225 / 1330
Start Purge: 1234

Well and Purging Information

Total Well Depth (ft btoc):	44.93	Well Diameter (in):	2
Static Depth to Water (ft btoc):	38.00	Screened Interval (ft btoc):	←
Length of Water Column (ft):	6.93	Pump Inlet Depth (ft btoc):	43.0
One Casing Volume (gal):	1.10	3 Casing Volumes (gal):	3.33
DTW Indicator:	Solinist 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1238	0.5	1.5	40.70	23.6	18.7	1.58 mS	7.01	
1241	↓	3.0	41.62	23.6	11.6	1.63	6.95	
1245	↓	4.5	42.81	23.8	98.5	1.72	6.96	
Parameters at Sampling:			38.70	23.1	9.26	1.72	6.95	

Target Well Recovery DTW: 38.96 = Static DTW 38.00 + (0.2 x Max. Drawdown 4.81)

Sample and Misc. Information

Sample Date: 5/10/22	Sample ID: SMBRP-9	Sampling Time: 1315
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. TUBING
Duplicate Collected: Yes (No)	Meter/Calibration Date: 5/10/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5/11/22

Rincon Personnel:	LANDON L. / SON B.	**Well ID:**	MCWP-MW04D
Project Name:	Malibu Civic Center annual GW	**Begin/End Time:**	0810 / 1040
Weather Conditions:	CLEAR	**Start Purge:**	0815

Well and Purging Information

Total Well Depth (ft btoc):	145.28	Well Diameter (in):	4
Static Depth to Water (ft btoc):	10.13	Screened Interval (ft btoc):	—
Length of Water Column (ft):	135.15	Pump Inlet Depth (ft btoc):	25.0
One Casing Volume (gal):	87.85	3 Casing Volumes (gal):	263.55
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0906	~~7.29~~ 2.3	88	10.27	20.7	1.0	1.57	7.15	
0940	↓	176	10.35	20.2	0.8	1.55	7.17	
1013	↓	264	10.47	20.4	1.1	1.55	7.17	
Parameters at Sampling:			10.17	20.7	1.0	1.54	7.19	
Target Well Recovery DTW:			10.19	= Static DTW 10.13		+ (0.2 x Max. Drawdown 0.34)		

Sample and Misc. Information

Sample Date: 5/11/22	Sample ID: MCWP-MW04D	Sampling Time: 1025
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. TUBING
Duplicate Collected: Yes (No)	Meter/Calibration Date: 5/11/22	Laboratory: ENTHALPY
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

$\frac{5}{3.87} = \frac{88}{x}$ x = 69

Rincon Consultants Inc.

0923

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5.11.21

Rincon Personnel: Jon B / Landon L
Project Name: Malibu Civic Center annual GW
Weather Conditions: Sunny, Clear
Well ID: MCWP-MW09
Begin/End Time: 1140 / 1300
Start Purge: 1157

Well and Purging Information

Total Well Depth (ft btoc):	88.99	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.09	Screened Interval (ft btoc):	-
Length of Water Column (ft):	81.90	Pump Inlet Depth (ft btoc):	32
One Casing Volume (gal):	13.1	3 Casing Volumes (gal):	39.3
DTW Indicator:	Solinist 102	Type of Pump:	ES

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1208	1.24	14	7.64	21.5	2.47	2.37mS	7.37	
1219	1	28	7.68	21.3	1.80	2.41	7.42	
1231	1	42	7.37	21.3	1.74	2.43	7.38	
Parameters at Sampling:			7.18	21.0	1.54	2.43	7.44	

Target Well Recovery DTW: 7.29 (50%) = Static DTW 7.09 + (0.2 x Max. Drawdown 0.59)

Sample and Misc. Information

Sample Date: 5.11.22	Sample ID: MCWP-MW09	Sampling Time: 1240
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: Dedicated Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 5.11.22	Laboratory: Enthalpy
Duplicate ID: N/A @	Equipment Blank ID: N/A @	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 5/11/22

Rincon Personnel: LANDON L.
Project Name: Malibu Civic Center annual GW
Weather Conditions: clear
Well ID: SMBRP-12
Begin/End Time: 1140 / 1235
Start Purge: 1150

Well and Purging Information

Total Well Depth (ft btoc):	24.47	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.38	Screened Interval (ft btoc):	—
Length of Water Column (ft):	17.09	Pump Inlet Depth (ft btoc):	20.0
One Casing Volume (gal):	2.73	3 Casing Volumes (gal):	8.19
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1155	0.6	3.0	7.77	22.8	5.0	2.61	7.00	
1200	↓	6.0	7.77	22.1	1.9	2.62	7.06	
1205	↓	9.0	7.77	21.9	1.5	2.62	7.06	
Parameters at Sampling:			7.40	21.6	1.5	2.60	7.10	

Target Well Recovery DTW: 7.45 = Static DTW 7.38 + (0.2 x Max. Drawdown 0.39)

Sample and Misc. Information

Sample Date: 5/11/22	Sample ID: SMBRP-12	Sampling Time: 1220
Did Well Dewater: Yes No	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 5/11/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

Rincon Consultants Inc.

Scanned with CamScanner

Surface Water Sampling

Job No: 20-09665	**Event:** Second Quarter 2022
Project: Malibu CCWTF	**Date:** May 10, 2022
Location: Malibu, CA	**Sampled By:** Lindsey Stockton

CONDITIONS

Weather: Clear	**Wind:** Slight Breeze
Estuary Berm: Open	

DAILY TIDES

LOW	Time: 12:18	Feet: 0.35	**HIGH**	Time: 05:21	Feet: 3.87

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife Type, # On Land # In Water
N-001	11:57	Calm	Clear	Clear	None	None	N/A, ,
N-002	12:09	Calm	Clear	Clear	None	None	N/A, ,
N-003	10:48	Calm	Clear	Clear	None	None	Western gull , 2, 0 Snowy egret, 1, 0
N-004	09:41	Calm	Clear	Clear	None	None	Western Gull, 8, 9
L-001	08:36	Calm	Clear	Brown	None	None	Black-crowned night heron, 2, 0
L-002	09:08	Calm	Cloudy	Brown	None	None	N/A, ,
L-003	08:53	Calm	Cloudy	Brown	None	None	N/A, ,
L-004	10:16	Calm	Cloudy	Brown	None	None	Cormorant, 2, 17 Pelican , 25, 7 Caspian tern, 30, 18
L-005	11:00	Calm	Clear	Yellow	None	None	Pelican, 60, 3 Caspian tern, 13, 12 Western gull, 10, 5
L-006	10:32	Calm	Clear	Brown	None	Garbage	N/a, ,

Well Gauging

Project No.: 20-09665
Date: 7/25/22

Rincon Personnel: LANDON LUJAN
Project Name: MALIBU CIVIC CENTER Monthly gauging
Begin Time: 0940
End Time: 1400

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	1335	4.84	5.72	14.50		
C-2	4	1337	4.65	13.60	14.20	NB	
CCPE	2	1130	5.56	52.35	52.70	good NEW box	
CCPNE	2	1124	6.25	24.03	24.10		
CCPSW	2	1145	6.09	20.98	19.90	NB	
CCW-4	1	1052	6.84	12.14	12.30		
GH6-M1	2	1024	29.51	34.84	35.20	NO bolts	
GH8-M3	2	1027	28.68	39.24	40.21	NO bolts	
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	1030	6.66	45.10	45.30	G	
M6-2	2	1032	6.10	19.63	19.40	G	
M7-1	2	1015	8.59	39.00	39.35	G G	
M7-2	2	1020	8.37	19.40	19.60	G	
MBCMW-5	2	~~1022~~	DRY	18.22	19.40	NO Bolts	
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	1046	11.06	51.85	52.15		
MBCMW-8	2	1048	8.58	11.92	11.95		
MBCMW-9	2	1100	8.61	9.24	9.25	NB	
MBCMW-10	2	1103	8.30	51.23	51.75	NB	
MCWP-MW01	6	1245	10.03	144.92	152.88	NB	
MCWP-MW02	4	1235	10.40	21.98	148.20		
MCWP-MW03	6	1248	7.81	132.64	136.65	NB	
MCWP-MW04S	4	1237	7.10	20.40	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665

Date: 7/25/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1240	9.29	145.10	149.20		
MCWP-MW05	4	1055	7.41	150.42	154.40		
MCWP-MW06	2	1235	9.69	136.31	138.15		
MCWP-MW07S	2	1255	6.62	17.13	17.22		
MCWP-MW07D	2	1252	7.65	127.60	129.60		
MCWP-MW08	2	1312	7.40	79.20	79.38	Str. thread	
MCWP-MW09	2	1307	5.72	88.98	89.60		
MCWP-MW10	2	1347	5.53	22.13	22.23		
P-4	4	1037	4.80	10.75	14.57		
P-9	4	1039	4.87	13.20	13.90		
SMBRP-2	4	1225	5.87	24.78	24.88	1 Bt.	
SMBRP-6	2	1115	16.40	23.31	23.45		
SMBRP-7B	2	1105	11.35	25.65	25.13		
SMBRP-8 (EC1-RC-MW01)	4	1000	28.40	40.25	40.46		
SMBRP-9	2				45.40	Car on top	
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	1305	6.68	24.45	24.88		
SMBRP-13	2	1315	7.90	19.35	19.48		
SMBRP-15B	1		DRY	8.29	8.40		
SMBRP-16	2	1045	5.05	25.00	25.00	NB	
LAMW-5S	4	0945	58.35	73.41	73.43		
SMBRP-11	2	1258	8.69	20.03	20.38		
~~Lagoon~~	—	—	—	—	N/A	—	—

References:

ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 8/1/22

Rincon Personnel: LANDON L./Jon B.
Project Name: Malibu Civic Center – Q3 Semi-Annual

Begin Time: 0915
End Time: 1440

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	1140	4.83	5.76	14.50	No bolts, no seal, well casing flush w/ sand	
C-2	4	1145	4.70	13.31	14.20	no bolts, no seal, well casing flush w/ sa	
CCPE	2	1104	5.61	50.80	52.70	Good	New well Box
CCPNE	2	1110	6.31	24.05	24.10	ok	No Bolts
CCPSW	2	1120	6.10	20.98	19.90	No bolts, No tabs	
CCW-4	1	1028	6.88	12.10	12.30	No seal, 2x stripped tabs	
GH6-M1	2	0957	29.52	34.80	35.20	No bolts No gas	
GH8-M3	2	1001	28.67	39.25	40.21	no bolts, no gas, hole in PVC, slip cap	
~~GH9-M4~~	—	—	—	—	44.29	—	—
M6-1	2	1005	6.70	45.00	45.30	No Gas, PVC cap too tall	
M6-2	2	1006	6.10	19.65	19.40	Lid not flush	
M7-1	2	0948	8.65	39.00	39.35	ok	No seal
M7-2	2	0949	8.45	19.34	19.60	ok	
MBCMW-5	2	0954	DRY	18.22	19.40	PVC bent	cap doesn't sit flat. No bo
~~MBCMW-6~~	—	—	—	—	64.26	—	—
MBCMW-7	2	1022	11.20	51.86	52.15	Poor	No bolts, no seal, PVC cap too big. Lid not flush
MBCMW-8	2	1023	4.70	11.91	11.95		
MBCMW-9	2	1039	8.64	9.25	9.25	2 No tabs, 1 missing bolt, no gas	
MBCMW-10	2	1040	8.41	51.25	51.75		
MCWP-MW01	6	1420	10.97	145.02	152.88	No bolts, cap too tall for lid.	
MCWP-MW02	4	1159	10.38	22.01	148.20	No bolts, no seal, stripped tabs	
MCWP-MW03	6	1347	7.43	132.61	136.65	No bolts, no gas	
MCWP-MW04S	4	1417	7.20	20.45	20.45	1 tab stripped, 1 bolt missing	

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 08/01/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1412	9.11	145.22	149.20	2x tabs stripped 2x stripped bolts	
MCWP-MW05	4	1032	7.28	150.40	154.40	1 stripped cap 1 missing tab	No Gas 1 missing bolt
MCWP-MW06	2	1203	9.55	136.29	138.15	No bolts, no Gas	
MCWP-MW07S	2	1353	6.10	17.10	17.22	no Gas, 2x broken tabs, 1 bolt missing.	
MCWP-MW07D	2	1350	7.30	127.56	129.60	No gas, 2x missing screws, 2x missing tabs	
MCWP-MW08	2	1326	7.25	79.19	79.38	#	
MCWP-MW09	2	~~SB~~ 1336 1326	~~7.25~~ 5.46	89.05	89.60	1 Bolt, 1 cap broken, 1 stripped, no Gas	
MCWP-MW10	2	1130	5.58	22.16	22.23	1 cap missing, 1 stripped, no seal	
P-4	4	1118	4.87	10.77	14.57		
P-9	4	1115	4.92	13.30	13.90	No bolts, stripped tabs x2	
SMBRP-2	4	1133	6.97	24.78	24.88	No Gas, 1 bolt missing	
SMBRP-6	2	—	~~15.41~~	~~22.21~~	23.45	Could not access, owner out of town	
SMBRP-7B	2	1046	11.36	25.02	25.13	cracked apron, no gas, PVC well casing cracked severely	
SMBRP-8 (EC1-RC-MW01)	4	0933	28.47	40.25	40.46	Good	
SMBRP-9	2	0930	38.19	44.94	45.40	ok, cracked apron, no ~~gasket~~	
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	1333	6.66	24.44	24.88	No Gas	
SMBRP-13	2	1320	7.30	19.36	19.48	2x stripped tabs, no Gas.	
SMBRP-15B	1	1343	DRY	8.29	8.40	no well cap	
SMBRP-16	2	1015	5.11	25.00	25.00	no bolts, no Gas	
LAMW-5S	4	0920	58.45	73.40	73.43	No Gas, 2x stripped tabs	
SMBRP-11	2	1357	8.81	20.09	20.38	1 bolt missing, ~~de~~ bad Gas	
~~Lagoon~~	—	—	—	—	~~N/A~~	—	—

References:
ft bTOC – Feet below top of casing

Gas = gasket/seal

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/3/22

Rincon Personnel: Jon Bridgman
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny
Well ID: MCWP-MW09
Begin/End Time: 1130 / 1315
Start Purge: 1157

Well and Purging Information

Total Well Depth (ft btoc):	89.05	Well Diameter (in):	2"
Static Depth to Water (ft btoc):	5.69	Screened Interval (ft btoc):	—
Length of Water Column (ft):	83.36	Pump Inlet Depth (ft btoc):	25.0
One Casing Volume (gal):	13.3	3 Casing Volumes (gal):	40.0
DTW Indicator:	Solinst	Type of Pump:	ES

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	~~Cond.~~ (mS/cm or µS/cm)	pH	Notes
1205	1.7	13.5	6.19	22.4	2	2.26	7.14	
1213	↓	27.0	6.15	22.1	2	2.27	7.21	
1221	↓	40.5	6.17	21.8	1	2.25	7.20	

Parameters at Sampling:	5.71	21.9	1	2.25	7.10	
Target Well Recovery DTW:	5.79	= Static DTW 5.69	+ (0.2 x Max. Drawdown 0.5)			

Sample and Misc. Information

Sample Date: 8.3.22	Sample ID: MCWP-MW09	Sampling Time: 1240
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/3/22	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 53

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/3/22

Rincon Personnel: Landon L. / Krystina C.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny

Well ID: SMBRP-12
Begin/End Time: 1130 / 1250
Start Purge: 1141

Well and Purging Information

Total Well Depth (ft btoc):	24.44	Well Diameter (in):	2
Static Depth to Water (ft btoc):	6.40	Screened Interval (ft btoc):	—
Length of Water Column (ft):	18.04	Pump Inlet Depth (ft btoc):	~~8~~ 20.0
One Casing Volume (gal):	2.89	3 Casing Volumes (gal):	8.65
DTW Indicator:	Solinst 102	Type of Pump:	E.S.

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1147	0.55	3.0	6.74	25.9	0	2.34	7.06	
1152	"	6.0	6.76	24.6	4	2.29	7.11	
1158	"	9.0	6.74	24.2	1	2.26	7.14	
1203	"	12.0	6.41	24.1	1	2.26	7.14	
Parameters at Sampling:			6.41	23.7	1	2.27	7.11	

Target Well Recovery DTW: 6.47 = Static DTW 6.40 + (0.2 x Max. Drawdown 0.36)

Sample and Misc. Information

Sample Date: 8/3/22	Sample ID: SMBRP-12	Sampling Time: 1215
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: D.ed. tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/3/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 53

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8.3.22

Rincon Personnel: Jon Bridgeman
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny
Well ID: MRWP-MW10
Begin/End Time: 0820 / 0920
Start Purge: 847

Well and Purging Information

Total Well Depth (ft btoc):	22.16	Well Diameter (in):	2
Static Depth to Water (ft btoc):	5.61	Screened Interval (ft btoc):	—
Length of Water Column (ft):	16.55	Pump Inlet Depth (ft btoc):	19
One Casing Volume (gal):	2.65	3 Casing Volumes (gal):	7.95
DTW Indicator:	Solinst	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
~~850~~	1	3.0	5.68	~~22.4~~ ~~26.0~~ 39	6	~~1.8930~~ 2.01	~~6.756.78~~ 6.78	
853	1	6.0	5.71	21.6	2	1.80	6.82	
856	1	9.0	5.73	21.5	2	1.78	6.87	
							6.93	
Parameters at Sampling:		5.61		22.1	2	1.77	6.93	
Target Well Recovery DTW:		5.63	= Static DTW 5.61		+ (0.2 x Max. Drawdown 0.12)			

Sample and Misc. Information

Sample Date: 8.3.22		Sample ID: MRWP-MW10	Sampling Time: 0905
Did Well Dewater:	Yes (No)	Field Meter Type: LaMotte	Sampling Method: ES Tubing
Duplicate Collected:	Yes (No)	Meter/Calibration Date: Hanna / 8.3.22	Laboratory: Enthalpy
Duplicate ID: —	@	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/3/22

Rincon Personnel: Landon L. / Jon. B.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Cloudy

Well ID: MCWP-MW04D
Begin/End Time: 0825 / 1115
Start Purge: 0833

Well and Purging Information

Total Well Depth (ft btoc):	145.22	Well Diameter (in):	4 in
Static Depth to Water (ft btoc):	9.79	Screened Interval (ft btoc):	—
Length of Water Column (ft):	135.43	Pump Inlet Depth (ft btoc):	12.0
One Casing Volume (gal):	88.03	3 Casing Volumes (gal):	264.09
DTW Indicator:	Solinst 102	Type of Pump:	E.S.

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0927	1.64	88.5	9.71	22.3	0	2262	7.24	
1000	5.70	177.0	9.71	22.4	0	2292	7.19	added additional Pump
1031	↓	265.5	9.71	22.1	0	2302	7.21	

Parameters at Sampling:	9.71	21.0	0	2297	7.20	
Target Well Recovery DTW:	9.79	= Static DTW 9.79	+ (0.2 x Max. Drawdown 0)			

Sample and Misc. Information

Sample Date: 9-3-22	Sample ID: MCWP-MW04D	Sampling Time: 1040
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/3/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 53

Additional Notes:

Rincon Consultants Inc.

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/1/22 - 8/2/22

Rincon Personnel: LANDON L./ JON B.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: SUNNY
Well ID: LAMW-5S
Begin/End Time: 1546 - 8/1 / 0854 - 8/2
Start Purge: 1610

Well and Purging Information

Total Well Depth (ft btoc):	73.40	Well Diameter (in):	4
Static Depth to Water (ft btoc):	58.53	Screened Interval (ft btoc):	—
Length of Water Column (ft):	14.87	Pump Inlet Depth (ft btoc):	70.0
One Casing Volume (gal):	9.67	3 Casing Volumes (gal):	29.01
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1623	0.8	10.0	68.6	24.2	72	1.04	6.78	
		~~30.0~~ 35	Dewatered	at 15	Gal 3	73.0	ft	

Parameters at Sampling:	58.57	22.6	45.2	0.98	6.53	
Target Well Recovery DTW:	61.43	= Static DTW 58.53 + (0.2 x Max. Drawdown ~~58.13~~ LL) 14.47				

Sample and Misc. Information

Sample Date: 8/2/2022	Sample ID: LAMW-5S	Sampling Time: 0840
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Bailer
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/1/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/1/22 - 8/2/22

Rincon Personnel: LANDON L. / JON B.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny
Well ID: SMBRP-11
Begin/End Time: 1735 - 8/1 / 0930 - 8/2
Start Purge: 1742

Well and Purging Information

Total Well Depth (ft btoc):	20.07	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.95	Screened Interval (ft btoc):	—
Length of Water Column (ft):	~~1.78~~ 11.12	Pump Inlet Depth (ft btoc):	19.0
One Casing Volume (gal):	1.78	3 Casing Volumes (gal):	5.34
DTW Indicator:	Solinst 102	Type of Pump:	E.S.

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1746	0.5	2.0	11.30	23.9	184	1.71	6.87	
1750	1	4.0	18.54	24.2	481	1.61	6.91	
1753		~~6.0~~	19.52	—	Well dewatered @	5.0 gallons		—

Parameters at Sampling: 8.81 | 23.1 | 39 | 2907 µS/cm | 6.96
Target Well Recovery DTW: 11.06 = Static DTW 8.95 + (0.2 x Max. Drawdown 10.57)

Sample and Misc. Information

Sample Date: 8/2/22	Sample ID: SMBRP-11	Sampling Time: 0920
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Bail
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/1/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/1/22

Rincon Personnel: LANDON L.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny

Well ID: MBCMW-9
Begin/End Time: 1715 / 1725
Start Purge: ~~0~~ 1720

Well and Purging Information

Total Well Depth (ft btoc):	9.25	Well Diameter (in):	2
Static Depth to Water (ft btoc):	8.60	Screened Interval (ft btoc):	—
Length of Water Column (ft):	0.65	Pump Inlet Depth (ft btoc):	—
One Casing Volume (gal):	0.104	3 Casing Volumes (gal):	0.312
DTW Indicator:	Solinst 102	Type of Pump:	Bail

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1725	—	0.1	—	→	Dewatered	@ 9.15 ft		insufficient to take parameters
		0.2						

Parameters at Sampling:

Target Well Recovery DTW: 8.71 = Static DTW 8.60 + (0.2 x Max. Drawdown 0.55)

Sample and Misc. Information

Sample Date: N/A	Sample ID: MBCMW-9	Sampling Time: N/A
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: N/A
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/1/22	Laboratory: N/A
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: N/A

Additional Notes:

Insufficient Water to Sample — Did not Sample

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/1/22 - 8/2/22

Rincon Personnel: LANDON L. / Jon B
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny
Well ID: SMBRP-7B
Begin/End Time: 1645 - 8/1 | 0945 8/2
Start Purge: 1652

Well and Purging Information

Total Well Depth (ft btoc):	25.02	Well Diameter (in):	2
Static Depth to Water (ft btoc):	11.35	Screened Interval (ft btoc):	—
Length of Water Column (ft):	13.67	Pump Inlet Depth (ft btoc):	24.5
One Casing Volume (gal):	2.19	3 Casing Volumes (gal):	6.57
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1658	1.0	7	18.5	23.7	26.9	1.94	7.05	
		14 dewatered		at 8" gals	at 24	4.1		
		~~21~~ 28		35				

Parameters at Sampling:	11.35	25.7	21	1.80	6.78	
Target Well Recovery DTW:	13.90	= Static DTW 11.35	+ (0.2 x Max. Drawdown 12.75)			

Sample and Misc. Information

Sample Date: 8.2.22	Sample ID: SMBRP-7B	Sampling Time: 0915
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Bail
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/1/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/2/22

Rincon Personnel: Landon L., Jon B., Krystina
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: clear
Well ID: MCWP-MW07D
Begin/End Time: 1020 ~~AH~~ / 1225 ~~AH~~ LL
Start Purge: 1035

Well and Purging Information

Total Well Depth (ft btoc):	127.56	Well Diameter (in):	2in
Static Depth to Water (ft btoc):	7.73	Screened Interval (ft btoc):	—
Length of Water Column (ft):	119.83	Pump Inlet Depth (ft btoc):	33.0
One Casing Volume (gal):	19.17	3 Casing Volumes (gal):	57.51
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or (µS/cm))	pH	Notes
1050	1.25	19.5	7.65	~~24.6~~ 24.4	0.87	1803	7.46	Temp=23.8
1109	1	39.0	7.65	23.0	~~0.1~~ 1	1824	7.45	
1122	1	58.5	7.65	23.1	1	1735	7.53	
Parameters at Sampling:			7.65	23.3	1	1756	7.50	

Target Well Recovery DTW: 7.73 = Static DTW 7.73 + (0.2 x Max. Drawdown 0)

Sample and Misc. Information

Sample Date: 8/2/22	Sample ID: MCWP-MW07D	Sampling Time: 1135
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/2/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 53

Additional Notes:

Rincon Consultants Inc.
~~45~~ 50 55

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/1/22 - 8/2/22

Rincon Personnel: LANDON L., JON B.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: cloudy
Well ID: MCWP-MW04S
Begin/End Time: 1450 - 8/1 / 1355 - 8/2
Start Purge: 1459

Well and Purging Information

Total Well Depth (ft btoc):	20.45	Well Diameter (in):	4
Static Depth to Water (ft btoc):	7.15	Screened Interval (ft btoc):	—
Length of Water Column (ft):	13.3	Pump Inlet Depth (ft btoc):	19.5 Ft
One Casing Volume (gal):	8.65	3 Casing Volumes (gal):	25.95
DTW Indicator:	Solinst 102	Type of Pump:	E.S.

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1516	0.53	9.0	16.85	25.7	~~50~~ 10	1.01	~~6.95~~ LL	7.03 pH
1522	—	~~18.0~~ LL	Dewatered @		11.5 gallons	—	—	— @ 20.1 ft
		~~27.0~~ LL						
			9.43					
Parameters at Sampling:		~~10.19~~ LL	25.2	202		3999 µS/cm	7.48	Cond- couldn't use high range meter
Target Well Recovery DTW:		9.74	= Static DTW 7.15		+ (0.2 x Max. Drawdown 12.95)			

Sample and Misc. Information

Sample Date: 8/2/22	Sample ID: MCWP-MW04S	Sampling Time: 1300
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Ded. tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/1/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 53

Additional Notes:

Rincon Consultants Inc.

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/2/22

Rincon Personnel: Landon L., Jon B., Krystina C.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny, Clear
Well ID: SMBRP-13
Begin/End Time: 1410 / 1450
Start Purge: 1415

Well and Purging Information

Total Well Depth (ft btoc):	19.36	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.20	Screened Interval (ft btoc):	—
Length of Water Column (ft):	12.16	Pump Inlet Depth (ft btoc):	17.0
One Casing Volume (gal):	1.95	3 Casing Volumes (gal):	5.84
DTW Indicator:	Solinst 102	Type of Pump:	E.S.

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1418	0.67	2.0	7.22	21.8	16	5.19	6.98	
1421	"	4.0	7.22	21.7	6	5.11	6.99	
1424	"	6.0	7.22	21.4	4	5.19	7.01	
1427	"	8.0	7.22	21.5	3	5.14	7.01	
					F K.C.			
Parameters at Sampling:			7.20	21.6	1	5.22	7.03	

Target Well Recovery DTW: 7.20 = Static DTW 7.20 + (0.2 x Max. Drawdown 0.02)

Sample and Misc. Information

Sample Date: 8/2/22	Sample ID: SMBRP-13	Sampling Time: 1440
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: Ded. tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/2/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8-2-22

Rincon Personnel: JB, LL
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny
Well ID: MCWP-MW07S
Begin/End Time: 1020 / 1256
Start Purge: 1036

Well and Purging Information

Total Well Depth (ft btoc):	17.10	Well Diameter (in):	2"
Static Depth to Water (ft btoc):	6.12	Screened Interval (ft btoc):	—
Length of Water Column (ft):	10.98	Pump Inlet Depth (ft btoc):	16.5
One Casing Volume (gal):	1.76	3 Casing Volumes (gal):	5.27
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1039	0.25	2	13.61	23.3	33.2	1.13	7.24	
1047	↓	4	15.62	23.0	35.1	1.11	7.23	
1100	↓	6	15.67	22.5	34.1	1.10	7.28	slowed purge.

Parameters at Sampling: 7.74 | 23.7 | 40.0 | 1.10 | 7.27
Target Well Recovery DTW: 8.03 = Static DTW 6.12 + (0.2 x Max. Drawdown 9.55)

Sample and Misc. Information

Sample Date: 8-2-22	Sample ID: MCWP-MW07S	Sampling Time: 1130
Did Well Dewater: Yes (No)	Field Meter Type: Hanna	Sampling Method: ES
Duplicate Collected: Yes (No)	Meter/Calibration Date: Hanna	Laboratory: Enthalpy
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 53

Additional Notes:
Slowed down well but still would of dewatered.

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/4/22

Rincon Personnel: LANDON L. / SAWYER C.
Project Name: Malibu Civic Center G3 SemiAnnual
Weather Conditions: Sunny
Well ID: MCWP-MW06
Begin/End Time: 1258 / 1410
Start Purge: 1308

Well and Purging Information

Total Well Depth (ft btoc):	136.29	Well Diameter (in):	2
Static Depth to Water (ft btoc):	9.67	Screened Interval (ft btoc):	—
Length of Water Column (ft):	126.62	Pump Inlet Depth (ft btoc):	~~18~~ LL 25.0
One Casing Volume (gal):	20.26	3 Casing Volumes (gal):	60.78
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1325	1.2	20.5	9.70	20.8	1	1.41	7.18	
1345	1	41.8	9.70	21.1	1	1.43	7.17	
1359	1	61.5	9.70	21.1	1	1.42	7.19	
					~~1~~	~~1.43~~ LL		
Parameters at Sampling:			9.68	21.1	1	1.43	7.19	
Target Well Recovery DTW:			9.68	= Static DTW 9.67		+ (0.2 x Max. Drawdown 0.03)		

Sample and Misc. Information

Sample Date: 8/4/22	Sample ID: MCWP-MW06	Sampling Time:
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (NO)	Meter/Calibration Date: 8/4/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 2

Additional Notes:

24
HH HH 1111
Rincon Consultants Inc.

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/4/22

Rincon Personnel: Landon L. / Sawyer C.
Project Name: Malibu Civic Center G3 SemiAnnual
Weather Conditions: Sunny
Well ID: MCWP-MW05
Begin/End Time: 0740 / 1015
Start Purge: 0745

Well and Purging Information

Total Well Depth (ft btoc):	150.40	Well Diameter (in):	4
Static Depth to Water (ft btoc):	7.69	Screened Interval (ft btoc):	—
Length of Water Column (ft):	142.71	Pump Inlet Depth (ft btoc):	15.0
One Casing Volume (gal):	92.76	3 Casing Volumes (gal):	278.28
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0835	~~2.1 1.93~~	93.0	7.77	21.3	0	1.13	6.93	x2 Pumps
0915	2.1	186.0	7.72	20.6	0	1.14	7.00	
1000	2.1	279.0	7.69	20.3	0	1.14	7.01	
		SC	~~7.69~~	~~20.3~~	~~0~~	~~1.14~~	~~7.09~~	

Parameters at Sampling:	7.69	20.3	0	1.14	7.03
Target Well Recovery DTW:	7.71	= Static DTW 7.69	+ (0.2 x Max. Drawdown 0.08		

Sample and Misc. Information

Sample Date: 8/4/22	Sample ID: MCWP-MW05	Sampling Time: 1010
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/4/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 2

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/4/22

Rincon Personnel: LANDON L. / SAWYER C.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: CLOUDY
Well ID: CCPE
Begin/End Time: 1155 / 1250
Start Purge: 1205

Well and Purging Information

Total Well Depth (ft btoc):	50.80	Well Diameter (in):	2
Static Depth to Water (ft btoc):	5.68	Screened Interval (ft btoc):	—
Length of Water Column (ft):	45.12	Pump Inlet Depth (ft btoc):	25.0
One Casing Volume (gal):	7.22	3 Casing Volumes (gal):	21.66
DTW Indicator:	Solinst 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1211	1.07	7.5	5.77	~~20.2~~	1.17	1.25	6.75	temp 22.2
1219	"	15.0	5.75	20.3	1	1.30	6.89	
1226	"	22.5	5.75	20.5	0	1.30	6.90	
1233	"	30.0	5.75	20.1	0	1.30	6.93	

Parameters at Sampling:	5.69				
Target Well Recovery DTW:	5.69	= Static DTW 5.68	+ (0.2 x Max. Drawdown 0.09)		

Sample and Misc. Information

Sample Date: 8/4/22	Sample ID: CCPE	Sampling Time: ~~1230~~ 1245	
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. Tubing	
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/4/22	Laboratory: Enthalpy	
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 5	

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 8/3/22 – 8/4/22

Rincon Personnel: LANDON L.
Project Name: Malibu Civic Center Q3 SemiAnnual
Weather Conditions: Sunny

Well ID: SMBRP-9
Begin/End Time: 1440 8/3 / 1145 – 8/4/22
Start Purge: 1457

Well and Purging Information

Total Well Depth (ft btoc):	44.94	Well Diameter (in):	2
Static Depth to Water (ft btoc):	38.22	Screened Interval (ft btoc):	—
Length of Water Column (ft):	6.72	Pump Inlet Depth (ft btoc):	44.00
One Casing Volume (gal):	1.07	3 Casing Volumes (gal):	3.12
DTW Indicator:	Solinst 102	Type of Pump:	ES.

References: 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft; 0.5" Dia. = 0.01 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1500	0.43	1.5	41.15	25.1	28	1.29	6.72	
1503	"	3.0	41.67	24.8	13	1.29	6.83	
1507	"	4.5	43.10	24.3	42	1.32	6.88	
1511	"	6.0	44.00	24.2	120	1.33	6.92	
	—	—	well de-watered @ 4th Purge Volume					—
Parameters at Sampling:			38.23	24.7	15	1.3	6.8	

Target Well Recovery DTW: 39.37 = Static DTW 38.22 + (0.2 x Max. Drawdown ~~44.0~~ cc) 5.78

Sample and Misc. Information

Sample Date: 8/4/22	Sample ID: SMBRP-9	Sampling Time: 1050
Did Well Dewater: (Yes) No	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date: 8/3/22	Laboratory: Enthalpy
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 53

Additional Notes:

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 9/22/22

Rincon Personnel: Landon Lujan
Project Name: Malibu Civic Center GW gauging

Begin Time: 0850
End Time: 1400

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	0945	5.07	5.74	14.50		
C-2	4	0935	4.94	13.30	14.20		
CCPE	2	0905	5.50	50.82	52.70		
CCPNE	2	0900	6.22	24.67	24.10		
CCPSW	2	0920	6.05	20.05	19.90		
CCW-4	1	1330	7.32	11.90	12.30		Lots of Sediment on bottom
GH6-M1	2	1100	29.87	34.70	35.20		
GH8-M3	2	1105	29.03	39.27	40.21		
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	1045	6.75	45.07	45.30		
M6-2	2	1050	6.20	19.70	19.40		
M7-1	2	1115	8.84	39.60	39.35		
M7-2	2	1120	8.76	19.34	19.60		
MBCMW-5	2	1055	DRY	18.22	19.40		
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	1305	10.88	51.86	52.15		
MBCMW-8	2	1310	9.15	11.90	11.95		Lid Doesn't fit, casing too high
MBCMW-9	2	1315	~~8.35~~ 8.84	9.36	9.25		
MBCMW-10	2	1317	8.35	51.25	51.75		
MCWP-MW01	6	1005	9.76	145.00	152.88		
MCWP-MW02	4	1205	10.39	22.05	148.20		
MCWP-MW03	6	1225	7.71	132.61	136.65		
MCWP-MW04S	4	1015	7.59	20.45	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 9/22/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1010	6.91	145.20	149.20		
MCWP-MW05	4	1320	7.44	150.40	154.40		
MCWP-MW06	2	1210	9.55	136.29	138.15		
MCWP-MW07S	2	1215	6.10	17.12	17.22		
MCWP-MW07D	2	1218	7.61	127.56	129.60		
MCWP-MW08	2	1247	7.49	79.20	79.38		
MCWP-MW09	2	1235	5.62	89.07	89.60		
MCWP-MW10	2	0925	5.52	22.15	22.23		threads
P-4	4	0915	4.80	10.53	14.57		Apron destroyed
P-9	4	0910	4.83	13.30	13.90		
SMBRP-2	4	1000	5.86	24.77	24.88		
SMBRP-6	2	1355	16.17	23.38	23.45		contact charles W. 818-632-4656
SMBRP-7B	2	1323	11.40	25.02	25.13		
SMBRP-8 (EC1-RC-MW01)	4	1030	29.56	40.30	40.46		
SMBRP-9	2	1035	38.18	44.94	45.40	CAR PARKED OVER	(NO ACCES
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	1230	6.25 ~~5.86~~ LL	24.43	24.88		
SMBRP-13	2	1240	8.30	19.36	19.48		
SMBRP-15B	1	1250	DRY	8.29	8.40		NO LID (8INCH)
SMBRP-16	2	1300	N/A	N/A	25.00	CAR PARKED TOP	/ NO ACCE
LAMW-5S	4	1020	59.12	73.35	73.43		Stripped
SMBRP-11	2	1223	8.73	20.02	20.38		
~~Lagoon~~	—	—		—	N/A	—	—

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Surface Water Sampling

Job No: 20-09665	**Event:** Third Quarter 2022
Project: Malibu CCWTF	**Date:** August 3, 2022
Location: Malibu, CA	**Sampled By:** Lindsey Stockton

CONDITIONS

Weather: Clear	**Wind:** Slight Breeze
Estuary Berm: Closed	

DAILY TIDES

LOW	Time: 07:22	Feet: 1.1	**HIGH**	Time: 00:47	Feet: 4.2

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife Type, # On Land # In Water
N-001	07:25	Calm	Clear	Clear	None	None	N/A, ,
N-002	07:45	Calm	Clear	Clear	None	None	N/, ,
N-003	08:00	Calm	Clear	Clear	None	None	California gull, 3, 1
N-004	09:10	Calm	Clear	Clear	None	None	N/A, ,
L-001	09:51	Calm	Clear	Clear	None	None	N/A, ,
L-002	08:50	Calm	Clear	Brown	None	None	N/A, ,
L-003	10:02	Calm	Cloudy	Brown	Rotten Eggs	None	N/A, ,
L-004	08:26	Calm	Cloudy	Brown	Rotten Eggs	None	Cormmerant, 0, 5 Pelican, 4, 3
L-005	08:10	Calm	Cloudy	Brown	Rotten Eggs	None	Commerant, 0, 5 Pelican, 4, 3
L-006	08:20	Calm	Cloudy	Brown	Rotten Eggs	None	N/A, ,

Well Gauging

Project No.: 20-09665

Date: 10/17/22

Rincon Personnel: LANDON LUJAN

Project Name: Malibu Civic Center GWM October

Begin Time: 0900

End Time: 1315

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	1200	5.40	5.78	14.50		
C-2	4	1210	5.25	5.27	14.20		
CCPE	2	0905	5.81	50.81	52.70		
CCPNE	2	0900	6.51	24.07	24.10		
CCPSW	2	0910	6.33	20.05	19.90		
CCW-4	1	0945	7.22	11.75	12.30		
GH6-M1	2	1027	29.99	34.70	35.20		
GH8-M3	2	1030	29.18	39.26	40.21		
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	1018	6.83	45.07	45.30		
M6-2	2	1020	6.46	19.69	19.40		
M7-1	2	1010	8.88	39.02	39.35		
M7-2	2	1015	8.78	19.70	19.60		
MBCMW-5	2	1025	DRY	18.22	19.40		
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	0955	11.01	51.86	52.15		
MBCMW-8	2	1000	9.17	11.93	11.95		
MBCMW-9	2	0935	8.85	9.34	9.25		
MBCMW-10	2	0940	8.30	51.25	51.75		
MCWP-MW01	6	1105	9.83	145.00	152.88		
MCWP-MW02	4	1240	10.61	22.05	148.20		
MCWP-MW03	6	1115	7.36	132.60	136.65		
MCWP-MW04S	4	1055	7.70	20.45	20.45		

References:

ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665

Date: 10/17/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1106	9.00	145.22	149.20		
MCWP-MW05	4	0928	7.38	150.38	154.40		
MCWP-MW06	2	1242	9.58	136.29	138.15		
MCWP-MW07S	2	1120	6.40	17.15	17.22		
MCWP-MW07D	2	1125	7.26	127.55	129.60		
MCWP-MW08	2	1147	7.62	79.20	79.38		
MCWP-MW09	2	~~0935~~ 1136	5.56	89.65	89.60		
MCWP-MW10	2	~~0950~~ 1155	5.82	22.15	22.23		
P-4	4	0915	5.08	10.53	14.57		
P-9	4	0920	5.15	13.30	13.90		
SMBRP-2	4	1230	6.17	24.80	24.88		
SMBRP-6	2	1310	15.88	23.35	23.45		
SMBRP-7B	2	0932	11.40	25.02	25.13		
SMBRP-8 (EC1-RC-MW01)	4	1045	29.94	40.30	40.46		
SMBRP-9	2	1035	39.10	44.94	45.40		
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	1130	6.65	24.40	24.88		
SMBRP-13	2	1145	8.02	19.35	19.48		
SMBRP-15B	1	1150	DRY	8.29	8.40		
SMBRP-16	2	0950	5.60	25.00	25.00		
LAMW-5S	4	1050	59.53	73.35	73.43		
SMBRP-11	2	1127	9.02	20.06	20.38		
~~Lagoon~~	—	—	—	—	~~N/A~~	—	—

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/2/22

Rincon Personnel: Landon L.
Project Name: Malibu Civic Ctr Q4 GWM

Well ID: MCWP-MW07S
Weather: Overcast

Well and Purging Information

Total Well Depth (ft btoc):	17.14	Well Diameter (in):	2
Static Depth to Water (ft btoc):	6.44	Screened Interval (ft btoc):	—
Length of Water Column (ft):	10.7	Pump Inlet Depth (ft btoc):	16.5
One Casing Volume (gal):	1.72	3 Casing Volumes (gal):	5.14

References: 0.5" Dia. = 0.01 gal/ft; 1" Dia. = 0.041 gal/ft; 2" Dia. = 0.16 gal/ft; 4" Dia. = 0.65 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0930	= Purge Start Time							
0936	0.38	2.0	14.76	22.0	693	2054	7.58	—
0939	↓	4.0 ~~6.0~~	Dewatered @ 3.5 gallons @ 16.25 DTW					
Parameters at Sampling:	8.25		22.5		19	2007	7.53	
Stabilization Criteria:	--		--		10% or <10 NTU	5%	± 0.1	
Target Well Recovery DTW:	8.40	= Static DTW 6.44 + (0.2 x Max. Drawdown 9.81)						

Sample and Misc. Information

Sample ID: MCWP-MW07S	Sample Date/Time: 11/2/22 /1010	Purge Start Time: 0930
Pump Type: E.S.	Field Meter Type: Hanna	Meter Calibration Date: 10/2/22
Sampling Method: Del. Tubing	Did Well Dewater: (Yes) No	Duplicate Collected: Yes (No)
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

16.25

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/2/22

Rincon Personnel: Mike Gino / Landon Lujan **Well ID:** SMBRP-9
Project Name: Malibu Civic Center Q4 GWM **Weather:** Sunny

Well and Purging Information

Total Well Depth (ft btoc):	44.94	Well Diameter (in):	2
Static Depth to Water (ft btoc):	39.26	Screened Interval (ft btoc):	
Length of Water Column (ft):	5.68	Pump Inlet Depth (ft btoc):	44.0
One Casing Volume (gal):	0.91	3 Casing Volumes (gal):	2.73

References: 1" Dia. = 0.041 gal/ft; 4" Dia. = 0.65 gal/ft; 0.5" Dia. = 0.01 gal/ft; 2" Dia. = 0.16 gal/ft; 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1128	= Purge Start Time							
1129	0.5	1	41.68	23.1	82	2076	7.35	
1131	1	2	42.34	23.0	34	2049	7.33	
1134	1	3	43.33	23.0	43	2105	7.32	
1136	—	Dewatered @ 3.5 gallons				@ 44.0	DTW	—

Parameters at Sampling:	40.05	23.2	37	2208	7.31	
Stabilization Criteria:	--	--	10% or <10 NTU	5%	± 0.1	

Target Well Recovery DTW: 40.21 = Static DTW 39.26 + (0.2 x Max. Drawdown 4.74)

Sample and Misc. Information

Sample ID: SMBRP-9	Sample Date/Time: 11/2/22 / 1210	Purge Start Time: 1128
Pump Type: ES	Field Meter Type: Hanna	Meter Calibration Date: 11/2/22
Sampling Method: dedicated tubing	Did Well Dewater: (Yes) No	Duplicate Collected: Yes (No)
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/3/22

Rincon Personnel: LANDON L. / MIKE G. **Well ID:** MCWP-MW09
Project Name: MALIBU CIVIL CENTER GW MON **Weather:** SUNNY

Well and Purging Information

Total Well Depth (ft btoc):	88.90	Well Diameter (in):	2
Static Depth to Water (ft btoc):	5.79	Screened Interval (ft btoc):	—
Length of Water Column (ft):	83.11	Pump Inlet Depth (ft btoc):	35.0
One Casing Volume (gal):	13.30	3 Casing Volumes (gal):	39.90

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1107	= Purge Start Time							
1117	1.35	13.5	6.48	21.8	4	3.57	7.44	
1127	|	27.0	6.49	21.0	3	3.66	7.34	
1137	|	40.5	6.51	21.0	3	3.78	7.31	
1147	|	54.0	6.55	20.9	5	3.88	7.31	
Parameters at Sampling:		5.94		21.6	4	3.85	7.32	
Stabilization Criteria:		--		--	10% or <10 NTU	5%	± 0.1	

Target Well Recovery DTW: 5.94 = Static DTW 5.79 + (0.2 x Max. Drawdown 0.76)

Sample and Misc. Information

Sample ID: MCWP-MW09	Sample Date/Time: 11/3/22 / 1200	Purge Start Time: 1107
Pump Type: ES.	Field Meter Type: HANNA	Meter Calibration Date: 11/3/22
Sampling Method: Del. Tubing	Did Well Dewater: Yes (No)	Duplicate Collected: Yes (No)
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/3/22

Rincon Personnel: Mike Girod / Landon Lujan **Well ID:** SMBRP-12
Project Name: Malibu Civic Center Q4 Gwm **Weather:** Sunny

Well and Purging Information

Total Well Depth (ft btoc):	24.42	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.05	Screened Interval (ft btoc):	—
Length of Water Column (ft):	17.37	Pump Inlet Depth (ft btoc):	23
One Casing Volume (gal):	2.78	3 Casing Volumes (gal):	8.34

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
1025	= Purge Start Time							
1029	0.9	3	7.60	23.1	9	10.45	6.93	
1032	1	6	7.77	24.2	5	10.81	6.87	
1035	1	9	7.78	243	3	10.85	6.85	
Parameters at Sampling:		7.10	24.3	4	10.92	6.99		
Stabilization Criteria:		--	--	10% or <10 NTU	5%	± 0.1		
Target Well Recovery DTW:		7.20	= Static DTW 7.05 + (0.2 x Max. Drawdown 0.73)					

Sample and Misc. Information

Sample ID: SMBRP-12	Sample Date/Time: 11/3/22 / 1045	Purge Start Time: 1025
Pump Type: ES	Field Meter Type: Hanna	Meter Calibration Date: 11/3/22
Sampling Method: Dedicated tubing	Did Well Dewater: Yes (No)	Duplicate Collected: Yes (No)
Duplicate ID: — @ —	Equipment Blank ID: — @ —	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/2/22

Rincon Personnel: Landon L. / Mike G. **Well ID:** MCWP-MW045
Project Name: Malibu Civic Ctr Q4 GWM **Weather:** Overcast

Well and Purging Information

Total Well Depth (ft btoc):	20.41	Well Diameter (in):	4
Static Depth to Water (ft btoc):	7.71	Screened Interval (ft btoc):	—
Length of Water Column (ft):	12.70	Pump Inlet Depth (ft btoc):	19.0
One Casing Volume (gal):	8.26	3 Casing Volumes (gal):	24.77

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm ~~uS/cm~~)	pH	Notes
0839	= Purge Start Time							
0850	0.77	8.5	18.55	21.5	52	7.18	7.39	
0855		~~17.0~~	Dewatered @ 9.5 gallons @ 19.0 DTW —					
		~~25.5~~	ek 11/2/22					
Parameters at Sampling:		12.67	19.1	32	5.74	7.38		
Stabilization Criteria:		--	--	10% or <10 NTU	5%	± 0.1		
Target Well Recovery DTW:		9.96	= Static DTW 7.71 + (0.2 x Max. Drawdown 11.29)					

Sample and Misc. Information

Sample ID: MCWP-MW045	Sample Date/Time: 11/3/22 / 0745	Purge Start Time: 0839
Pump Type: E.S.	Field Meter Type: Hanna	Meter Calibration Date: 11/2/22
Sampling Method: Bail	Did Well Dewater: (Yes) No	Duplicate Collected: Yes (No)
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes: Sampled next day >2 hrs

17.55

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/2/22

Rincon Personnel: LANDON LUJAN
Well ID: MCWP-MW07d
Project Name: MALIBU CIVIC CENTER Q4 GWM
Weather: Overcast

Well and Purging Information

Total Well Depth (ft btoc):	127.59	Well Diameter (in):	2
Static Depth to Water (ft btoc):	7.54	Screened Interval (ft btoc):	—
Length of Water Column (ft):	120.05	Pump Inlet Depth (ft btoc):	25
One Casing Volume (gal):	19.21	3 Casing Volumes (gal):	57.63

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0921	= Purge Start Time							
0939	1.06	19.5	7.58	21.1	2	1.72	7.60	
1000	|	39.0	7.58	21.6	2	1.72	7.58	
1016	|	58.5	7.59	21.4	3	1.70	7.58	
Parameters at Sampling:		7.54	21.7	3	1.69	7.56		
Stabilization Criteria:		--	--	10% or <10 NTU	5%	± 0.1		

Target Well Recovery DTW: 7.55 = Static DTW 7.54 + (0.2 x Max. Drawdown 0.05)

Sample and Misc. Information

Sample ID: MCWP - MW07d	Sample Date/Time: 11/2/22 1025	Purge Start Time: 0921
Pump Type: ES	Field Meter Type: HANNA	Meter Calibration Date: 11/2/22
Sampling Method: Ded. Tubing	Did Well Dewater: Yes (No)	Duplicate Collected: Yes (No)
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Standard Purge Groundwater Sampling

Project No.: 20-09665
Date: 11/3/22

Rincon Personnel: LANDON L. / MIKE G.
Project Name: Malibu Civic Center G3 SemiAnnual
Weather Conditions: CLEAR
Well ID: MCWP-MW04D
Begin/End Time: 0800 / 0955
Start Purge: 0814

Well and Purging Information

Total Well Depth (ft btoc):	145.19	Well Diameter (in):	4
Static Depth to Water (ft btoc):	8.85	Screened Interval (ft btoc):	—
Length of Water Column (ft):	136.34	Pump Inlet Depth (ft btoc):	15.0
One Casing Volume (gal):	88.70	3 Casing Volumes (gal):	265.90
DTW Indicator:	SOLINST M 102	Type of Pump:	ES

References: 1" Dia. = 0.041 gal/ft 4" Dia. = 0.65 gal/ft
0.5" Dia. = 0.01 gal/ft 2" Dia. = 0.16 gal/ft 6" Dia. = 1.46 gal/ft

Purge and Indicator Data

Purge Time	Flow Rate (gal/min)	Volume Purged (gal)	DTW (ft btoc)	Temp. (C)	Turbidity (NTU)	Cond. (mS/cm or µS/cm)	pH	Notes
0814	—	START	—					
0850	3.03	89.0	9.02	17.7	3	2.25	7.18	
0914	"	178.0	9.09	18.8	3	2.28	7.16	
0942	"	267.0	9.17	18.8	2	2.22	7.17	
Parameters at Sampling:		8.90		18.8	2	2.21	7.20	
Target Well Recovery DTW:		8.91	= Static DTW 8.85 + (0.2 x Max. Drawdown 0.32)					

Sample and Misc. Information

Sample Date: 11/3/22	Sample ID: MCWP-MW04D	Sampling Time: 0950
Did Well Dewater: Yes (No)	Field Meter Type: HANNA	Sampling Method: Ded. Tubing
Duplicate Collected: Yes (No)	Meter/Calibration Date:	Laboratory: ENTHALPY
Duplicate ID: — @	Equipment Blank ID: — @	Number of Bottles: 11

Additional Notes:

Scanned with CamScanner

Well Gauging

Project No.: 20-09665

Date: 11/1/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1047	9.16	145.19	149.20	OK	Bolts stripped
MCWP-MW05	4	1311	7.38	155.60	154.40		missing bolt, stripped
MCWP-MW06	2	1036	8.61	136.17	138.15		no bolts
MCWP-MW07S	2	1334	6.60	17.14	17.22	OK	no bolts, broken tabs
MCWP-MW07D	2	1337	7.30	127.59	129.60	OK	no bolts, broken tabs
MCWP-MW08	2	1410	7.77	79.23	79.38		no/broken tabs
MCWP-MW09	2	1400	5.85	88.90	89.60	OK	1 bolt, no tabs
MCWP-MW10	2	0948	5.88	22.19	22.23	bad	no tabs, missing bolt
P-4	4	0936	5.15	10.21	14.57	Bad	Cracked well box
P-9	4	0941	5.20	13.25	13.90		no bolts, stripped threads
SMBRP-2	4	1022	8.24	24.84	24.88		1 bolt, no gasket
SMBRP-6	2	1244	15.87	23.40	23.45	Good	
SMBRP-7B	2	1254	11.30	25.06	25.13		
SMBRP-8 (EC1-RC-MW01)	4	1112	30.15	40.28	40.46	Good	gauged 11/2/22
SMBRP-9	2	0815	39.25	44.94	45.40		Unable to gauge due to parked car
~~SMBRP-10C~~	—	—			~~25.00~~	—	—
SMBRP-12	2	1356	6.93	24.42	24.88		
SMBRP-13	2	1406	8.25	19.34	19.48	GOOD	
SMBRP-15B	1	1416	DRY	8.35	8.40	Bad	missing lid
SMBRP-16	2	1319	5.62	25.27	25.00		missing bolts
LAMW-5S	4	1059	60.07	74.02	73.43		bolts stripped
SMBRP-11	2	1347	9.25	20.02	20.38	ok	1 bolt
~~Lagoon~~	—	—			N/A	—	—

References:

ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 11/1/22

Rincon Personnel: LANDON L. / MIKE G.
Project Name: MALIBU 04 GWM

Begin Time: 0910
End Time: 1420

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	0958	5.39	5.75	14.50	Bad	no bolts, stripped threads
C-2	4	1004	5.20	13.50 *	14.20	Bad	no bolts, stripped
CCPE	2	0923	5.90	58.70*	52.70	Good	
CCPNE	2	0918	6.58	24.10	24.10		No bolts
CCPSW	2	0931	6.40	21.02	19.90	Bad	No bolts, stripped threads
CCW-4	1	1306	7.25	11.98	12.30		stripped
GH6-M1	2	1142	30.09	34.67	35.20	ok	no bolts
GH8-M3	2	1144	29.18	39.29	40.21	ok	cracked bolts
~~GH9-M4~~	—	—	—		~~44.29~~	—	—
M6-1	2	1129	6.84	45.11	45.30	ok	no lid gasket
M6-2	2	1131	6.49	19.68	19.40	ok	
M7-1	2	1121	8.91	39.05	39.35	good	
M7-2	2	1123	8.88	19.45	19.60	good	
MBCMW-5	2	1138	DRY	18.20	19.40	ok	no bolts
~~MBCMW-6~~	—	—	—		~~64.26~~	—	—
MBCMW-7	2	1322	11.00	51.90	52.15	Bad	no bolts, lid doesn't c
MBCMW-8	2	1326	9.21	11.95	11.95	Bad	no bolts, lid doesn't c
MBCMW-9	2	1258	8.84	9.32	9.25	Bad	missing bolts, stripped
MBCMW-10	2	1300	8.34	51.25	51.75		
MCWP-MW01	6	1049	9.98	144.88	152.88		
MCWP-MW02	4	1032	10.67	22.07	148.20		no bolts, stripped
MCWP-MW03	6	1340	7.40	132.55	136.65		
MCWP-MW04S	4	1053	7.70	20.41	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

Well Gauging

Project No.: 20-09665
Date: 12/12/22

Rincon Personnel: LANDON LUJAN
Project Name: MALIBU CIVIC CENTER GAGING

Begin Time: 0800
End Time: 1135

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
C-1	4	1010	5.40	—	14.50	COMPLETELY SUBMERGED IN PUDDLE UNABLE TO GAUGE	
C-2	4	1015	6.35	13.40	14.20		
CCPE	2	0815	8.20	52.32	52.70		
CCPNE	2	0817	8.70	24.08	24.10		
CCPSW	2	0805	8.40	20.04	19.90		NO BOLTS
CCW-4	1	1055	6.61	11.83	12.30		
GH6-M1	2	0843	30.23	34.68	35.20		NO BOLTS
GH8-M3	2	0845	29.41	39.28	40.21		
~~GH9-M4~~	—	—	—	—	~~44.29~~	—	—
M6-1	2	0850	6.90	45.10	45.30		
M6-2	2	0855	5.45	19.69	19.40		
M7-1	2	0835	8.04	39.03	39.35		
M7-2	2	0837	7.10	19.33	19.60		
MBCMW-5	2	0840	DRY	18.20	19.40		
~~MBCMW-6~~	—	—	—	—	~~64.26~~	—	—
MBCMW-7	2	0908	11.10	51.87	52.15		
MBCMW-8	2	0907	8.45	11.95	11.95		
MBCMW-9	2	1100	7.65	9.32	9.25		
MBCMW-10	2	1105	8.35	51.26	51.75		
MCWP-MW01	6	1047	9.80	144.93	152.88		
MCWP-MW02	4	1645	12.20	22.07	148.20		
MCWP-MW03	6	0935	6.99	132.57	136.65		
MCWP-MW04S	4	0949	7.02	20.43	20.45		

References:
ft bTOC – Feet below top of casing

Scanned with CamScanner

rincon

Well Gauging

Project No.: 20-09665

Date: 12/12/22

Well Information

Well ID	Well Diameter (inches)	Time	Depth to Water (ft bTOC)	Total Depth (ft bTOC)		Well Condition	Notes
				Measured	Constructed / Historical		
MCWP-MW04D	4	1049	8.92	145.20	149.20		
MCWP-MW05	4	1107	7.84	151.46	154.40		
MCWP-MW06	2	1040	9.65	136.20	138.15		
MCWP-MW07S	2	0930	6.50	17.15	17.22		
MCWP-MW07D	2	0932	6.87	127.56	129.60		
MCWP-MW08	2	0953	8.95	79.22	79.38		
MCWP-MW09	2	0947	5.75	89.01	89.60		
MCWP-MW10	2	1005	8.08	22.18	22.23		
P-4	4	0808	7.50	10.35	14.57		
P-9	4	0810	5.15	13.20	13.90	Well box full w/ water	should not open until dry
SMBRP-2	4	1030	8.79	24.83	24.88		
SMBRP-6	2	1120	13.90	23.37	23.45		
SMBRP-7B	2	1110	11.03	25.05	25.13		
SMBRP-8 (EC1-RC-MW01)	4	0918	29.85	40.28	40.46		
SMBRP-9	2	0915	29.10	44.91	45.40	Car PARKED ON WELL	
~~SMBRP-10C~~	—	—	—	—	~~25.00~~	—	—
SMBRP-12	2	0945	7.05	24.42	24.88		
SMBRP-13	2	0950	8.75	19.34	19.48		
SMBRP-15B	1	1000	DRY	8.30	8.40		
SMBRP-16	2	0900	3.95	25.16	25.00		
LAMW-5S	4	0910	60.63	73.45	73.43		
SMBRP-11	2	0937	9.13	20.04	20.38		
~~Lagoon~~	—	—	—	—	~~N/A~~	—	—

References:

ft bTOC – Feet below top of casing

Scanned with CamScanner

Surface Water Sampling

Job No: 20-09665	**Event:** Fourth Quarter
Project: Malibu CCWTF	**Date:** November 3, 2022
Location: Malibu, CA	**Sampled By:** Lindsey Stockton

CONDITIONS

Weather: Clear	**Wind:** Calm
Estuary Berm: Closed	

DAILY TIDES

LOW	Time: 00:21	Feet: -0.1	**HIGH**	Time: 07:04	Feet: 4.9

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife (Type, # On Land # In Water)
N-001	10:10	Calm	Clear	Clear	None	None	NA, ,
N-002	10:30	Calm	Clear	Clear	None	None	NA, ,
N-003	09:45	Calm	Clear	Clear	None	None	Gulls, 50, 25
N-004	10:50	Rough	Clear	Clear	None	None	NA, ,
L-001	11:40	Calm	Clear	Brown	None	None	NA, ,
L-002	11:10	Calm	Clear	Brown	None	Garbage	NA, ,
L-003	11:20	Calm	Clear	Brown	None	Garbage	NA, ,
L-004	09:20	Calm	Clear	Clear	None	None	NA, ,
L-005	09:50	Calm	Clear	Clear	None	None	Commerant , 10, 24 Gull, 5, 15 Pelican, 2, 15
L-006	09:30	Calm	Clear	Brown	None	None	Commerant , , 3 Egret, 0, 2

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

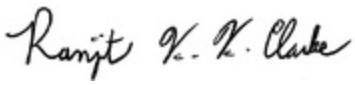
Lab Job Number: 458647
Report Level: II
Report Date: 03/04/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Semi Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458647
Project No:	MALIBU
Location:	Malibu - Semi Annual
Date Received:	02/22/22

Sample ID	Lab ID	Collected	Matrix
MCWP-MW05	458647-001	02/22/22 11:15	Water
MCWP-MW06	458647-002	02/22/22 14:10	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:	450647				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 - 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:	LANDON L.

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		
~~MCWP-MW10~~						X	X	X	X	X		
~~CCPE~~						X	X	X	X	X		
~~MBCMW-9~~						X	X	X	X	X		
~~SMBRP-7B~~						X	X	X	X	X		
~~SMBRP-11~~						X	X	X	X	X		
~~LAMW-5S~~						X	X	X	X	X		
MCWP-MW05	2/22/22	1115	W							X	X	
MCWP-MW06	2/22/22	1410	W							X	X	
~~SMBRP-9~~	~~2/22/22~~	~~1440~~	~~W~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		~~2/22/22~~

S-3/1.4

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		LANDON LUJAN	RINCON	2.22.22 1500
1 Received By:		NICK G	EA	2-22-22 1500
2 Relinquished By:		NICK G	EA	2-22-22 18:30
2 Received By:		ZACH PADILLA	EA/GL	2/22/22 1830
3 Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 2/22/22 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: 0.8 #2: 5.3 #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: 1.4 #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: 2/22/22

ENTHALPY ANALYTICAL

Analysis Results for 458647

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458647
Project No: MALIBU
Location: Malibu - Semi Annual
Date Received: 02/22/22

Sample ID: MCWP-MW05 **Lab ID: 458647-001** **Collected: 02/22/22 11:15**
Matrix: Water

458647-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**2.1**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 07:35	KLN
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	284413	02/24/22	02/25/22	WWC

Sample ID: MCWP-MW06 **Lab ID: 458647-002** **Collected: 02/22/22 14:10**
Matrix: Water

458647-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 07:56	KLN
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	284413	02/24/22	02/25/22	WWC

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC973815	**Batch:** 284282
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973815 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrate	8.482	9.036	mg/L	94%		90-110

Type: Blank	**Lab ID:** QC973816	**Batch:** 284282
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973816 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/22/22 18:00	02/23/22 00:05

Type: Matrix Spike	**Lab ID:** QC973817	**Batch:** 284282
Matrix (Source ID): Drinking Water (458633-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973817 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	4.956	ND	4.518	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC973818	**Batch:** 284282
Matrix (Source ID): Drinking Water (458633-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973818 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	4.956	ND	4.518	mg/L	110%		80-120	0	20	1

Type: Matrix Spike	**Lab ID:** QC973819	**Batch:** 284282
Matrix (Source ID): Drinking Water (458639-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973819 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrate	4.935	ND	4.518	mg/L	109%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC973820	**Batch:** 284282
Matrix (Source ID): Drinking Water (458639-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973820 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrate	4.933	ND	4.518	mg/L	109%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC974164	**Batch:** 284413
Matrix: Sea Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974164 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/24/22	02/25/22

Type: Lab Control Sample	**Lab ID:** QC974165	**Batch:** 284413
Matrix: Sea Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974165 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	106.0	100.0	mg/L	106%		90-110

Type: Sample Duplicate	**Lab ID:** QC974168	**Batch:** 284413
Matrix (Source ID): Sea Water (458726-012)	**Method:** SM2540C	**Prep Method:** METHOD

QC974168 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	34,180	35570	mg/L		4	5	10

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

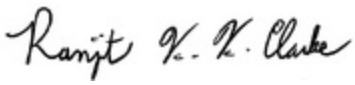
Lab Job Number: 458648
Report Level: II
Report Date: 03/04/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458648
Project No:	MALIBU
Location:	Malibu - Quarterly/Semi-Annual
Date Received:	02/22/22

Sample ID	Lab ID	Collected	Matrix
N-001	458648-001	02/22/22 07:38	Water
N-002	458648-002	02/22/22 07:54	Water
N-003	458648-003	02/22/22 08:19	Water
N-004	458648-004	02/22/22 09:38	Water
L-001	458648-005	02/22/22 10:07	Water
L-002	458648-006	02/22/22 10:46	Water
L-003	458648-007	02/22/22 10:28	Water
L-004	458648-008	02/22/22 11:16	Water
L-005	458648-009	02/22/22 08:35	Water
L-006	458648-010	02/22/22 11:30	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: 458648				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:	

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	2/22	0738	W	4	Varies	X	X	X	0.6/0.0
N-002	2/22	0754	W	4		X	X	X	
N-003	2/22	0819	W	4		X	X	X	
N-004	2/22	0938	W	4		X	X	X	
L-001	2/22	1007	W	4		X	X	X	
L-002	2/22	1046	W	4		X	X	X	
L-003	2/22	1028	W	4		X	X	X	
L-004	2/22	1116	W	4		X	X	X	
L-005	2/22	0835	W	4		X	X	X	
L-006	2/22	1130	W	4		X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Marissa De Hoyos	RINCON	2.22.22 /1450
[1] Received By:		LANDON LUJAN	RINCON	2.22.22 /1450
[2] Relinquished By:		LANDON LUJAN	RINCON	2.22.22 / 1457
[2] Received By:		NICK O	EA	2-22-22 1457
[3] Relinquished By:		NICK O	EA	2-22-22 1830
[3] Received By:		ZAN DASMA	EA/GL	2/22/22 1830.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 2/22/22 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: 0.8 #2: 5.3 #3: _____ #4: _____

(Acceptonce 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: 1.4 #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: 2/22/22

ENTHALPY ANALYTICAL

Analysis Results for 458648

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458648
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 02/22/22

Sample ID: N-001 **Lab ID: 458648-001** **Collected: 02/22/22 07:38**
Matrix: Water

458648-001 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	0.12	10	284282	02/22/22 18:00	02/23/22 12:42	SBW
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 08:16	SBW
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 12:42	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.86**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**0.86**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.17**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**65**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458648

Sample ID: N-002	Lab ID: 458648-002	Collected: 02/22/22 07:54
	Matrix: Water	

458648-002 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	0.12	10	284282	02/22/22 18:00	02/23/22 13:02	SBW
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 08:36	SBW
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 13:02	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.89**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**0.89**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.48**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**85**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Sample ID: N-003	Lab ID: 458648-003	Collected: 02/22/22 08:19
	Matrix: Water	

458648-003 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	0.12	10	284282	02/22/22 18:00	02/23/22 13:23	SBW
Nitrogen, Nitrate	**0.44**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 08:57	SBW
Nitrogen, Nitrate/Nitrite	**0.44**		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 13:23	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.2**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**1.2**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458648

Sample ID: N-004	Lab ID: 458648-004	Collected: 02/22/22 09:38
	Matrix: Water	

458648-004 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	0.12	10	284282	02/22/22 18:00	02/23/22 13:43	SBW
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 09:17	SBW
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 13:43	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.67**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**0.67**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.39**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**100**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Sample ID: L-001	Lab ID: 458648-005	Collected: 02/22/22 10:07
	Matrix: Water	

458648-005 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	0.01	1	284282	02/22/22 18:00	02/23/22 09:38	SBW
Nitrogen, Nitrate	**1.1**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 09:38	SBW
Nitrogen, Nitrate/Nitrite	**1.1**		mg/L	0.10		1	284282	02/22/22 18:00	02/23/22 09:38	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.98**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**0.98**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.49**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.1**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**820**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458648

Sample ID: L-002	Lab ID: 458648-006	Collected: 02/22/22 10:46
	Matrix: Water	

458648-006 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	0.01	1	284282	02/22/22 18:00	02/23/22 09:58	SBW
Nitrogen, Nitrate	**2.3**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 09:58	SBW
Nitrogen, Nitrate/Nitrite	**2.3**		mg/L	0.10		1	284282	02/22/22 18:00	02/23/22 09:58	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.1**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**1.1**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.60**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**9.8**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**1,300**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Sample ID: L-003	Lab ID: 458648-007	Collected: 02/22/22 10:28
	Matrix: Water	

458648-007 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	0.12	10	284282	02/22/22 18:00	02/23/22 14:44	SBW
Nitrogen, Nitrate	**0.16**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 10:19	SBW
Nitrogen, Nitrate/Nitrite	**0.16**		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 14:44	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**2.2**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**1.3**		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**3.5**		mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.36**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**9.8**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458648

Sample ID: L-004 **Lab ID: 458648-008** **Collected: 02/22/22 11:16**
Matrix: Water

458648-008 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	0.12	10	284282	02/22/22 18:00	02/23/22 15:46	SBW
Nitrogen, Nitrate	**0.98**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 10:39	SBW
Nitrogen, Nitrate/Nitrite	**0.98**		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 15:46	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**38**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**38**		mg/L	2.0	0.93	5	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**2.1**		mg/L	0.10	0.050	5	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**200**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Sample ID: L-005 **Lab ID: 458648-009** **Collected: 02/22/22 08:35**
Matrix: Water

458648-009 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	0.12	10	284282	02/22/22 18:00	02/23/22 16:06	SBW
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 11:40	SBW
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 16:06	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.9**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.96**		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**2.9**		mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.71**		mg/L	0.020	0.010	1	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**7.5**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458648

Sample ID: L-006	Lab ID: 458648-010	Collected: 02/22/22 11:30
	Matrix: Water	

458648-010 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	0.12	10	284282	02/22/22 18:00	02/23/22 16:27	SBW
Nitrogen, Nitrate	**0.07**	J	mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 12:01	SBW
Nitrogen, Nitrate/Nitrite	**0.07**	J	mg/L	0.10		10	284282	02/22/22 18:00	02/23/22 16:27	SBW
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**9.5**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**9.5**		mg/L	2.0	0.93	5	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.1**		mg/L	0.10	0.050	5	284625	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**160**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL

< 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: Lab Control Sample	**Lab ID:** QC973815	**Batch:** 284282
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973815 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.030	9.134	mg/L	99%		90-110
Nitrogen, Nitrate	8.482	9.036	mg/L	94%		90-110

Type: Blank	**Lab ID:** QC973816	**Batch:** 284282
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973816 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	02/22/22 18:00	02/23/22 00:05
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/22/22 18:00	02/23/22 00:05
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/22/22 18:00	02/23/22 00:05

Type: Matrix Spike	**Lab ID:** QC973817	**Batch:** 284282
Matrix (Source ID): Drinking Water (458633-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973817 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	4.917	ND	4.567	mg/L	108%		80-120	1
Nitrogen, Nitrate	4.956	ND	4.518	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC973818	**Batch:** 284282
Matrix (Source ID): Drinking Water (458633-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973818 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	4.914	ND	4.567	mg/L	108%		80-120	0	20	1
Nitrogen, Nitrate	4.956	ND	4.518	mg/L	110%		80-120	0	20	1

Type: Matrix Spike	**Lab ID:** QC973819	**Batch:** 284282
Matrix (Source ID): Drinking Water (458639-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC973819 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	4.865	ND	4.567	mg/L	107%		80-120	1
Nitrogen, Nitrate	4.935	ND	4.518	mg/L	109%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC973820**	**Batch:**	**284282**
Matrix (Source ID):	**Drinking Water (458639-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC973820 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	4.871	ND	4.567	mg/L	107%		80-120	0	20	1
Nitrogen, Nitrate	4.933	ND	4.518	mg/L	109%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC974030**	**Batch:**	**284365**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC974030 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.031	02/24/22	02/24/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC974031**	**Batch:**	**284365**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC974031 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.430	2.500	mg/L	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC974032**	**Batch:**	**284365**
Matrix (Source ID):	**Water (458604-001)**	**Method:**	**SM 4500-NH3-G**		

QC974032 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.297	ND	2.500	mg/L	92%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974033**	**Batch:**	**284365**
Matrix (Source ID):	**Water (458604-001)**	**Method:**	**SM 4500-NH3-G**		

QC974033 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.333	ND	2.500	mg/L	93%		80-120	2	20	1

Type:	**Blank**	**Lab ID:**	**QC974682**	**Batch:**	**284593**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC974682 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.15	J	mg/L	0.20	0.093	02/28/22	02/28/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC974683 **Batch:** 284593
Matrix: Water **Method:** SM 4500-NH3-G

QC974683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.540	2.500	mg/L	102%		80-120

Type: Matrix Spike **Lab ID:** QC974684 **Batch:** 284593
Matrix (Source ID): Water (458648-001) **Method:** SM 4500-NH3-G

QC974684 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.65	0.8626	12.50	mg/L	102%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC974685 **Batch:** 284593
Matrix (Source ID): Water (458648-001) **Method:** SM 4500-NH3-G

QC974685 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.98	0.8626	12.50	mg/L	105%		80-120	2	20	2.5

Type: Blank **Lab ID:** QC974788 **Batch:** 284625
Matrix: Water **Method:** SM 4500-P-B5-E

QC974788 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	02/28/22	02/28/22

Type: Lab Control Sample **Lab ID:** QC974789 **Batch:** 284625
Matrix: Water **Method:** SM 4500-P-B5-E

QC974789 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3850	0.4000	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC974790 **Batch:** 284625
Matrix (Source ID): Water (458352-001) **Method:** SM 4500-P-B5-E

QC974790 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.070	0.09600	1.000	mg/L	97%		75-125	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974791**	**Batch:**	**284625**
Matrix (Source ID):	**Water (458352-001)**	**Method:**	**SM 4500-P-B5-E**		

QC974791 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.065	0.09600	1.000	mg/L	97%		75-125	0	20	2.5

J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

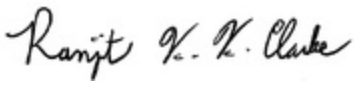
Lab Job Number: 458651
Report Level: II
Report Date: 03/03/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458651
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/22/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	458651-001	02/22/22 14:40	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: 459651				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 - 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:	LANDON L.

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	2.22.22	1440	WW			X	X	X	X	X	X	X	X			0.6 / 0.8
~~SMBRP-12~~						X	X	X	X	X	X	X	X			
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		LANDON LUJAN	RINCON	2.22.22 1500
[1] Received By:		~~LANDON LUJAN~~	~~R~~	
[2] Relinquished By:				
[2] Received By:		NICK G	EA	2-22-22 15:00
[3] Relinquished By:		NICK G	EA	2-22-22 18:30
[3] Received By:		ZAM PADILLA	EA/td	2/22/22 1830 AM

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: _____

Date Received: 2/22/22 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: 0.8 #2: 5.3 #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: 1.4 #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: 2/22/22

ENTHALPY ANALYTICAL

Analysis Results for 458651

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458651
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/22/22

Sample ID: SMBRP-9 **Lab ID: 458651-001** **Collected: 02/22/22 14:40**
Matrix: Water

458651-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**1.7**	J	mg/L	5.6	1.6	1.1	284378	02/23/22	02/24/22	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.64**		mg/L	0.050	0.0080	1	284318	02/23/22	02/25/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**210**		mg/L	50	5.0	10	284282	02/22/22 18:00	02/23/22 16:47	SBW
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284282	02/22/22 18:00	02/23/22 12:21	SBW
Nitrogen, Nitrate	**15**		mg/L	0.10	0.05	1	284282	02/22/22 18:00	02/23/22 12:21	SBW
Sulfate	**310**		mg/L	10	2.5	10	284282	02/22/22 18:00	02/23/22 16:47	SBW
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.19	1	284326	02/23/22	02/23/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284346	02/23/22 13:09	02/23/22 13:09	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284359	02/23/22 16:08	02/23/22 16:08	ATP
Method: SM 4500-H+ B										
pH	**7.07**	H	SU			1	284341	02/23/22 09:00	02/23/22 09:00	WWC
Temperature	**10.20**	H	deg C	1.00		1	284341	02/23/22 09:00	02/23/22 09:00	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.19**		mg/L	0.020	0.010	1	284627	03/02/22	03/02/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458651

458651-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**19**		mg/L	1.0	0.18	1	284380	02/23/22	02/23/22	ATP
Method: SM 9223Bb										
Coliform, Total	**61**		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284283	02/22/22 18:40	02/23/22 14:48	AJL
Method: SM2120B										
Color	ND		ColorUnits	5		1	284345	02/23/22 13:09	02/23/22 13:09	LVL
Method: SM2130B										
Turbidity	**22**		NTU	0.10	0.07	1	284344	02/23/22 13:09	02/23/22 13:09	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	284416	02/24/22	02/25/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**140**		mg/L	1.0		2	284576	02/24/22	02/24/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	284339	02/23/22 09:00	02/28/22 11:40	WWC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	284289	02/22/22 16:00	02/22/22 20:20	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**15**		mg/L			1	284904	03/03/22	03/03/22	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: Lab Control Sample	Lab ID: QC973815	Batch: 284282
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC973815 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	93.96	100.0	mg/L	94%		90-110
Nitrogen, Nitrite	9.030	9.134	mg/L	99%		90-110
Nitrogen, Nitrate	8.482	9.036	mg/L	94%		90-110
Sulfate	50.38	50.00	mg/L	101%		90-110

Type: Blank	Lab ID: QC973816	Batch: 284282
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC973816 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	1.6	J	mg/L	5.0	0.50	02/22/22 18:00	02/23/22 00:05
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	02/22/22 18:00	02/23/22 00:05
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/22/22 18:00	02/23/22 00:05
Sulfate	ND		mg/L	1.0	0.25	02/22/22 18:00	02/23/22 00:05

Type: Matrix Spike	Lab ID: QC973817	Batch: 284282
Matrix (Source ID): Drinking Water (458633-001)	Method: EPA 300.0	Prep Method: METHOD

QC973817 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	122.6	69.57	50.00	mg/L	106%		80-120	1
Nitrogen, Nitrite	4.917	ND	4.567	mg/L	108%		80-120	1
Nitrogen, Nitrate	4.956	ND	4.518	mg/L	110%		80-120	1
Sulfate	41.83	14.10	25.00	mg/L	111%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC973818	Batch: 284282
Matrix (Source ID): Drinking Water (458633-001)	Method: EPA 300.0	Prep Method: METHOD

QC973818 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	122.8	69.57	50.00	mg/L	107%		80-120	0	20	1
Nitrogen, Nitrite	4.914	ND	4.567	mg/L	108%		80-120	0	20	1
Nitrogen, Nitrate	4.956	ND	4.518	mg/L	110%		80-120	0	20	1
Sulfate	41.59	14.10	25.00	mg/L	110%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC973819**	**Batch:**	**284282**
Matrix (Source ID):	**Drinking Water (458639-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC973819 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	114.2	60.17	50.00	mg/L	108%		80-120	1
Nitrogen, Nitrite	4.865	ND	4.567	mg/L	107%		80-120	1
Nitrogen, Nitrate	4.935	ND	4.518	mg/L	109%		80-120	1
Sulfate	40.86	13.20	25.00	mg/L	111%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC973820**	**Batch:**	**284282**
Matrix (Source ID):	**Drinking Water (458639-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC973820 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	114.0	60.17	50.00	mg/L	108%		80-120	0	20	1
Nitrogen, Nitrite	4.871	ND	4.567	mg/L	107%		80-120	0	20	1
Nitrogen, Nitrate	4.933	ND	4.518	mg/L	109%		80-120	0	20	1
Sulfate	40.74	13.20	25.00	mg/L	110%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC973836**	**Batch:**	**284289**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC973836 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	02/22/22 16:00	02/22/22 20:20

Type:	**Lab Control Sample**	**Lab ID:**	**QC973837**	**Batch:**	**284289**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC973837 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9720	1.000	mg/L	97%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC973838**	**Batch:**	**284289**
Matrix (Source ID):	**Water (458568-001)**	**Method:**	**SM5540C**		

QC973838 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.059	ND	1.000	mg/L	104%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC973839**	**Batch:**	**284289**
Matrix (Source ID):	**Water (458568-001)**	**Method:**	**SM5540C**		

QC973839 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.043	ND	1.000	mg/L	102%		80-120	2	20	1

Type:	**Blank**	**Lab ID:**	**QC973910**	**Batch:**	**284318**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC973910 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	02/23/22	02/25/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC973911**	**Batch:**	**284318**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC973911 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.9817	1.000	mg/L	98%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC973912**	**Batch:**	**284318**
Matrix (Source ID):	**Water (458628-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC973912 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	4.013	3.006	1.000	mg/L	101%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC973913**	**Batch:**	**284318**		
Matrix (Source ID):	**Water (458628-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**		

QC973913 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	3.837	3.006	1.000	mg/L	83%		75-125	4	20	1

Type:	**Blank**	**Lab ID:**	**QC973930**	**Batch:**	**284326**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC973930 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.093	02/23/22	02/23/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC973931	**Batch:** 284326
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC973931 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.574	2.500	mg/L	103%		90-110

Type: Matrix Spike	**Lab ID:** QC973932	**Batch:** 284326
Matrix (Source ID): Water (458604-001)	**Method:** EPA 351.2	

QC973932 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.22	0.2016	12.50	mg/L	104%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC973933	**Batch:** 284326
Matrix (Source ID): Water (458604-001)	**Method:** EPA 351.2	

QC973933 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.67	0.2016	12.50	mg/L	108%		90-110	3	20	2.5

Type: Blank	**Lab ID:** QC973964	**Batch:** 284339
Matrix: Water	**Method:** SM5210B	**Prep Method:** METHOD

QC973964 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/23/22 08:45	02/28/22 11:40

Type: Lab Control Sample	**Lab ID:** QC973965	**Batch:** 284339
Matrix: Water	**Method:** SM5210B	**Prep Method:** METHOD

QC973965 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	174.0	198.0	mg/L	88%		84.6-115.4

Type: Sample Duplicate	**Lab ID:** QC973971	**Batch:** 284341
Matrix (Source ID): Water (458644-001)	**Method:** SM 4500-H+ B	

QC973971 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.100	7.120	SU		0	20	1
Temperature	10.90	10.90	deg C		0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC974016**	**Batch:**	**284344**
Matrix (Source ID):	**Water (458642-001)**	**Method:**	**SM2130B**		

QC974016 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	75.80	76.00	NTU		0	20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC973976**	**Batch:**	**284345**
Matrix (Source ID):	**Water (458651-001)**	**Method:**	**SM2120B**		

QC973976 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC973977**	**Batch:**	**284346**
Matrix (Source ID):	**Water (458651-001)**	**Method:**	**SM 2150B**		

QC973977 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type:	**Blank**	**Lab ID:**	**QC974013**	**Batch:**	**284359**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC974013 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	02/23/22 16:08	02/23/22 16:08

Type:	**Lab Control Sample**	**Lab ID:**	**QC974014**	**Batch:**	**284359**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC974014 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9800	1.000	mg/L	98%		80-120

Type:	**Sample Duplicate**	**Lab ID:**	**QC974015**	**Batch:**	**284359**
Matrix (Source ID):	**Water (458646-001)**	**Method:**	**SM 4500-CL-G**		

QC974015 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC974030** **Batch: 284365**
Matrix: Water **Method: SM 4500-NH3-G**

QC974030 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.031	02/24/22	02/24/22

Type: Lab Control Sample **Lab ID: QC974031** **Batch: 284365**
Matrix: Water **Method: SM 4500-NH3-G**

QC974031 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.430	2.500	mg/L	97%		80-120

Type: Matrix Spike **Lab ID: QC974032** **Batch: 284365**
Matrix (Source ID): Water (458604-001) **Method: SM 4500-NH3-G**

QC974032 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.297	ND	2.500	mg/L	92%		80-120	1

Type: Matrix Spike Duplicate **Lab ID: QC974033** **Batch: 284365**
Matrix (Source ID): Water (458604-001) **Method: SM 4500-NH3-G**

QC974033 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.333	ND	2.500	mg/L	93%		80-120	2	20	1

Type: Blank **Lab ID: QC974059** **Batch: 284378**
Matrix: Water **Method: EPA 1664A** **Prep Method: METHOD**

QC974059 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	02/23/22	02/24/22

Type: Lab Control Sample **Lab ID: QC974060** **Batch: 284378**
Matrix: Water **Method: EPA 1664A** **Prep Method: METHOD**

QC974060 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.70	40.00	mg/L	89%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	**Lab ID:** QC974061	**Batch:** 284378
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974061 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.80	40.00	mg/L	95%		78-114	6	18

Type: Blank	**Lab ID:** QC974066	**Batch:** 284380
Matrix: Water	**Method:** SM 5310B	

QC974066 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	02/23/22	02/23/22

Type: Lab Control Sample	**Lab ID:** QC974067	**Batch:** 284380
Matrix: Water	**Method:** SM 5310B	

QC974067 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	10.56	10.00	mg/L	106%		80-120

Type: Matrix Spike	**Lab ID:** QC974068	**Batch:** 284380
Matrix (Source ID): Water (458509-007)	**Method:** SM 5310B	

QC974068 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	156.8	84.81	80.00	mg/L	90%		80-120	8

Type: Matrix Spike Duplicate	**Lab ID:** QC974069	**Batch:** 284380
Matrix (Source ID): Water (458509-007)	**Method:** SM 5310B	

QC974069 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	160.0	84.81	80.00	mg/L	94%		80-120	2	20	8

Type: Blank	**Lab ID:** QC974173	**Batch:** 284416
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974173 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/24/22	02/25/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC974174	Batch: 284416
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC974174 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	105.0	100.0	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC974175	Batch: 284416
Matrix (Source ID): Water (458598-001)	Method: SM2540C	Prep Method: METHOD

QC974175 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	13,220	13530	mg/L		2	5	10

Type: Blank	Lab ID: QC974623	Batch: 284576
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC974623 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/24/22	02/24/22

Type: Sample Duplicate	Lab ID: QC974624	Batch: 284576
Matrix (Source ID): Water (458559-002)	Method: SM2540D	Prep Method: METHOD

QC974624 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,280	1266	mg/L		1	5	29

Type: Blank	Lab ID: QC974796	Batch: 284627
Matrix: Water	Method: SM 4500-P-B5-E	

QC974796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/02/22	03/02/22

Type: Lab Control Sample	Lab ID: QC974797	Batch: 284627
Matrix: Water	Method: SM 4500-P-B5-E	

QC974797 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3850	0.4000	mg/L	96%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC974798**	**Batch:**	**284627**
Matrix (Source ID):	**Water (458604-001)**	**Method:**	**SM 4500-P-B5-E**		

QC974798 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.105	0.1240	1.000	mg/L	98%		75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974799**	**Batch:**	**284627**
Matrix (Source ID):	**Water (458604-001)**	**Method:**	**SM 4500-P-B5-E**		

QC974799 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.135	0.1240	1.000	mg/L	101%		75-125	3	20	2.5

J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

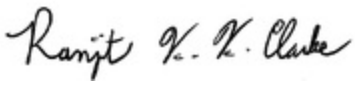
Lab Job Number: 458711
Report Level: II
Report Date: 03/04/2022

Analytical Report *prepared for:*

J Bridgeman
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

J Bridgeman
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458711
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/23/22

Sample ID	Lab ID	Collected	Matrix
MCWP-MW04D	458711-001	02/23/22 09:55	Water
MCWP-MW07D	458711-002	02/23/22 14:35	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: 458711			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 - 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:	Kerry L. Campbell

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			
~~SMBRP-12~~						X	X	X	X	X	X	X	X			
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			
MCWP-MW04D	02-23-22	0955	W	5	various	X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			
MCWP-MW07D	02-23-22	1435	W	5	various	X	X	X	X	X	X	X	X			
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Marissa DeHoyos	Rincon / Geologist	3:18 pm 02/23/22
[1] Received By:		NRCKG	EA	15:19 02/23/22
[2] Relinquished By:		NRCKG	EA	18:00 2/23/22
[2] Received By:		G Kim	QA	7:00 2/23/22
[3] Relinquished By:				
[3] Received By:				

3.1.13

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Malibu Semi-Annual

Date Received: 2/23/22 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: 5.7 #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: 0.4 #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: 2/23/22

ENTHALPY ANALYTICAL

Analysis Results for 458711

J Bridgeman
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458711
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/23/22

Sample ID: MCWP-MW04D **Lab ID: 458711-001** **Collected: 02/23/22 09:55**
Matrix: Water

458711-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**24**		mg/L	5.6	1.6	1.1	284378	02/23/22	02/24/22	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.78**		mg/L	0.050	0.0080	1	284397	02/24/22	02/25/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**240**		mg/L	130	13	25	284372	02/23/22 19:00	02/24/22 11:45	KLN
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284372	02/23/22 19:00	02/24/22 03:14	KLN
Nitrogen, Nitrate	**1.3**		mg/L	0.10	0.05	1	284372	02/23/22 19:00	02/24/22 03:14	KLN
Sulfate	**710**		mg/L	25	6.3	25	284372	02/23/22 19:00	02/24/22 11:45	KLN
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.19	1	284591	02/28/22	02/28/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.41**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284395	02/23/22 19:00	02/23/22 19:00	ECC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284554	02/24/22 17:02	02/24/22 17:02	WWC
Method: SM 4500-H+ B										
pH	**7.18**	H	SU			1	284341	02/23/22 18:13	02/23/22 18:13	WWC
Temperature	**8.90**	H	deg C	1.00		1	284341	02/23/22 18:13	02/23/22 18:13	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.013**		mg/L	0.020	0.010	1	284627	03/02/22	03/02/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458711

458711-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**4.2**		mg/L	1.0	0.18	1	284636	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Coliform, Total	<1.0		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	284393	02/23/22 19:00	02/23/22 19:00	ECC
Method: SM2130B										
Turbidity	**0.09**	J	NTU	0.10	0.07	1	284396	02/23/22 19:00	02/23/22 19:00	ECC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	284416	02/24/22	02/25/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**8.3**		mg/L	0.6		1.1	284578	02/25/22	02/25/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	284339	02/23/22 18:13	02/28/22 11:40	WWC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	284474	02/24/22 17:00	02/24/22 21:45	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**1.7**		mg/L			1	284904	03/03/22	03/03/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458711

Sample ID: MCWP-MW07D	Lab ID: 458711-002	Collected: 02/23/22 14:35
	Matrix: Water	

458711-002 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	284378	02/23/22	02/24/22	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.44**		mg/L	0.050	0.0080	1	284397	02/24/22	02/25/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**260**		mg/L	130	13	25	284372	02/23/22 19:00	02/24/22 12:05	KLN
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284372	02/23/22 19:00	02/24/22 03:34	KLN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284372	02/23/22 19:00	02/24/22 03:34	KLN
Sulfate	**350**		mg/L	25	6.3	25	284372	02/23/22 19:00	02/24/22 12:05	KLN
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.77**		mg/L	0.40	0.19	1	284591	02/28/22	02/28/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.61**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284395	02/23/22 19:00	02/23/22 19:00	ECC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284554	02/24/22 17:02	02/24/22 17:02	WWC
Method: SM 4500-H+ B										
pH	**7.27**	H	SU			1	284341	02/23/22 18:15	02/23/22 18:15	WWC
Temperature	**12.70**	H	deg C	1.00		1	284341	02/23/22 18:15	02/23/22 18:15	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.16**		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.010	1	284627	03/02/22	03/02/22	ATP
Method: SM 5310B										
Total Organic Carbon	**6.3**		mg/L	1.0	0.18	1	284636	02/28/22	02/28/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458711

458711-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	284393	02/23/22 19:00	02/23/22 19:00	ECC
Method: SM2130B										
Turbidity	**0.40**		NTU	0.10	0.07	1	284396	02/23/22 19:00	02/23/22 19:00	ECC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	284416	02/24/22	02/25/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**5.0**		mg/L	0.6		1.1	284578	02/25/22	02/25/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	284339	02/23/22 18:15	02/28/22 11:40	WWC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	284474	02/24/22 17:00	02/24/22 21:45	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**0.77**		mg/L			1	284904	03/03/22	03/03/22	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:** QC974059	**Batch:** 284378
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974059 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	02/23/22	02/24/22

Type: Lab Control Sample	**Lab ID:** QC974060	**Batch:** 284378
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974060 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.70	40.00	mg/L	89%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC974061	**Batch:** 284378
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974061 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.80	40.00	mg/L	95%		78-114	6	18

Type: Blank	**Lab ID:** QC974117	**Batch:** 284397
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC974117 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	02/24/22	02/25/22

Type: Lab Control Sample	**Lab ID:** QC974118	**Batch:** 284397
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC974118 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.040	1.000	mg/L	104%		85-115

Type: Matrix Spike	**Lab ID:** QC974119	**Batch:** 284397
Matrix (Source ID): Water (458741-010)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC974119 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.217	0.2004	1.000	mg/L	102%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974120**	**Batch:**	**284397**
Matrix (Source ID):	**Water (458741-010)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC974120 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.143	0.2004	1.000	mg/L	94%		75-125	6	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC974121**	**Batch:**	**284397**
Matrix (Source ID):	**Water (458741-013)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC974121 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	2.804	1.789	1.000	mg/L	101%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974122**	**Batch:**	**284397**
Matrix (Source ID):	**Water (458741-013)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC974122 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	2.815	1.789	1.000	mg/L	103%		75-125	0	20	1

Type:	**Blank**	**Lab ID:**	**QC974037**	**Batch:**	**284372**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974037 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	1.6	J	mg/L	5.0	0.50	02/23/22 19:00	02/24/22 02:12
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	02/23/22 19:00	02/24/22 02:12
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/23/22 19:00	02/24/22 02:12
Sulfate	ND		mg/L	1.0	0.25	02/23/22 19:00	02/24/22 02:12

Type:	**Lab Control Sample**	**Lab ID:**	**QC974038**	**Batch:**	**284372**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	94.12	100.0	mg/L	94%		90-110
Nitrogen, Nitrite	8.974	9.134	mg/L	98%		90-110
Nitrogen, Nitrate	8.557	9.036	mg/L	95%		90-110
Sulfate	48.68	50.00	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC974039**	**Batch:**	**284372**
Matrix (Source ID):	**Water (458710-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974039 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	165.3	72.56	100.0	mg/L	93%		80-120	1
Nitrogen, Nitrite	9.094	ND	9.134	mg/L	100%		80-120	1
Nitrogen, Nitrate	11.98	3.448	9.036	mg/L	94%		80-120	1
Sulfate	101.9	61.01	50.00	mg/L	82%	E	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974040**	**Batch:**	**284372**
Matrix (Source ID):	**Water (458710-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974040 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	168.1	72.56	100.0	mg/L	96%		80-120	2	20	1
Nitrogen, Nitrite	9.341	ND	9.134	mg/L	102%		80-120	3	20	1
Nitrogen, Nitrate	12.20	3.448	9.036	mg/L	97%		80-120	2	20	1
Sulfate	102.6	61.01	50.00	mg/L	83%	E	80-120		20	1

Type:	**Blank**	**Lab ID:**	**QC974674**	**Batch:**	**284591**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC974674 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.093	02/28/22	02/28/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC974675**	**Batch:**	**284591**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC974675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.547	2.500	mg/L	102%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC974676**	**Batch:**	**284591**
Matrix (Source ID):	**Water (458711-001)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC974676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	14.03	0.4115	12.50	mg/L	109%		90-110	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974677**	**Batch:**	**284591**
Matrix (Source ID):	**Water (458711-001)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC974677 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.84	0.4115	12.50	mg/L	107%		90-110	1	20	2.5

Type:	**Sample Duplicate**	**Lab ID:**	**QC974115**	**Batch:**	**284395**
Matrix (Source ID):	**Drinking Water (458731-001)**	**Method:**	**SM 2150B**		

QC974115 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type:	**Blank**	**Lab ID:**	**QC974567**	**Batch:**	**284554**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC974567 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	02/24/22 17:02	02/24/22 17:02

Type:	**Lab Control Sample**	**Lab ID:**	**QC974568**	**Batch:**	**284554**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC974568 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.000	1.000	mg/L	100%		80-120

Type:	**Sample Duplicate**	**Lab ID:**	**QC974569**	**Batch:**	**284554**
Matrix (Source ID):	**Water (458711-001)**	**Method:**	**SM 4500-CL-G**		

QC974569 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC973971**	**Batch:**	**284341**
Matrix (Source ID):	**Water (458644-001)**	**Method:**	**SM 4500-H+ B**		

QC973971 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.100	7.120	SU		0	20	1
Temperature	10.90	10.90	deg C		0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC974030** **Batch: 284365**
Matrix: Water **Method: SM 4500-NH3-G**

QC974030 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.031	02/24/22	02/24/22

Type: Lab Control Sample **Lab ID: QC974031** **Batch: 284365**
Matrix: Water **Method: SM 4500-NH3-G**

QC974031 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.430	2.500	mg/L	97%		80-120

Type: Matrix Spike **Lab ID: QC974032** **Batch: 284365**
Matrix (Source ID): Water (458604-001) **Method: SM 4500-NH3-G**

QC974032 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.297	ND	2.500	mg/L	92%		80-120	1

Type: Matrix Spike Duplicate **Lab ID: QC974033** **Batch: 284365**
Matrix (Source ID): Water (458604-001) **Method: SM 4500-NH3-G**

QC974033 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.333	ND	2.500	mg/L	93%		80-120	2	20	1

Type: Blank **Lab ID: QC974796** **Batch: 284627**
Matrix: Water **Method: SM 4500-P-B5-E**

QC974796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/02/22	03/02/22

Type: Lab Control Sample **Lab ID: QC974797** **Batch: 284627**
Matrix: Water **Method: SM 4500-P-B5-E**

QC974797 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3850	0.4000	mg/L	96%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC974798 | **Batch:** 284627
Matrix (Source ID): Water (458604-001) | **Method:** SM 4500-P-B5-E

QC974798 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.105	0.1240	1.000	mg/L	98%		75-125	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC974799 | **Batch:** 284627
Matrix (Source ID): Water (458604-001) | **Method:** SM 4500-P-B5-E

QC974799 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.135	0.1240	1.000	mg/L	101%		75-125	3	20	2.5

Type: Blank | **Lab ID:** QC974839 | **Batch:** 284636
Matrix: Water | **Method:** SM 5310B

QC974839 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	02/28/22	02/28/22

Type: Lab Control Sample | **Lab ID:** QC974840 | **Batch:** 284636
Matrix: Water | **Method:** SM 5310B

QC974840 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	10.57	10.00	mg/L	106%		80-120

Type: Matrix Spike | **Lab ID:** QC974841 | **Batch:** 284636
Matrix (Source ID): Water (458711-001) | **Method:** SM 5310B

QC974841 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	43.71	4.157	40.00	mg/L	99%		80-120	4

Type: Matrix Spike Duplicate | **Lab ID:** QC974842 | **Batch:** 284636
Matrix (Source ID): Water (458711-001) | **Method:** SM 5310B

QC974842 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	45.27	4.157	40.00	mg/L	103%		80-120	4	20	4

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate		**Lab ID:** QC974113	**Batch:** 284393
Matrix (Source ID): Drinking Water (458731-001)		**Method:** SM2120B	

QC974113 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate		**Lab ID:** QC974116	**Batch:** 284396
Matrix (Source ID): Drinking Water (458731-001)		**Method:** SM2130B	

QC974116 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1700	0.1690	NTU		1	20	1

Type: Blank	**Lab ID:** QC974173	**Batch:** 284416
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974173 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/24/22	02/25/22

Type: Lab Control Sample	**Lab ID:** QC974174	**Batch:** 284416
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974174 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	105.0	100.0	mg/L	105%		90-110

Type: Sample Duplicate	**Lab ID:** QC974175	**Batch:** 284416
Matrix (Source ID): Water (458598-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC974175 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	13,220	13530	mg/L		2	5	10

Type: Blank	**Lab ID:** QC974627	**Batch:** 284578
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC974627 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/25/22	02/25/22

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC974628**	**Batch:**	**284578**
Matrix (Source ID):	**Water (458559-003)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC974628 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	510.0	513.8	mg/L		1	5	13

Type: **Blank**	**Lab ID:** **QC973964**	**Batch:**	**284339**
Matrix: **Water**	**Method:** **SM5210B**	**Prep Method:**	**METHOD**

QC973964 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/23/22 08:45	02/28/22 11:40

Type: **Lab Control Sample**	**Lab ID:** **QC973965**	**Batch:**	**284339**
Matrix: **Water**	**Method:** **SM5210B**	**Prep Method:**	**METHOD**

QC973965 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	174.0	198.0	mg/L	88%		84.6-115.4

Type: **Blank**	**Lab ID:** **QC974338**	**Batch:**	**284474**
Matrix: **Water**	**Method:** **SM5540C**		

QC974338 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	02/24/22 17:00	02/24/22 21:45

Type: **Lab Control Sample**	**Lab ID:** **QC974339**	**Batch:**	**284474**
Matrix: **Water**	**Method:** **SM5540C**		

QC974339 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9420	1.000	mg/L	94%		90-110

Type: **Matrix Spike**	**Lab ID:** **QC974340**	**Batch:**	**284474**
Matrix (Source ID): **Water (458700-001)**	**Method:** **SM5540C**		

QC974340 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9960	ND	1.000	mg/L	98%		80-120	1

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974341**	**Batch:**	**284474**
Matrix (Source ID):	**Water (458700-001)**	**Method:**	**SM5540C**		

QC974341 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.010	ND	1.000	mg/L	100%		80-120	1	20	1

E Response exceeds instrument's linear range
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

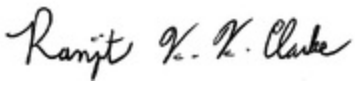
Lab Job Number: 458721
Report Level: II
Report Date: 03/04/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458721
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/23/22

Sample ID	Lab ID	Collected	Matrix
CCPE	458721-001	02/23/22 09:55	Water
SMBRP-7B	458721-002	02/23/22 11:00	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: 14 S874				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											
L Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - 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:	Kerry L. Campbell

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		
~~MCWP-MW10~~ CCPE	02-23-22	0955	W	11	Various	X	X	X	X	X		
~~CCPE~~						X	X	X	X	X		
~~MBGMW-3~~						X	X	X	X	X		
SMBRP-7B	02-23-22	1100	W	11	Various	X	X	X	X	X		
~~SMBRP-14~~						X	X	X	X	X		
~~LAMW-5S~~						X	X	X	X	X		
~~MCWP-MW05~~										X	X	
~~MCWP-MW06~~										X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Marissa DeHoyos	Rincon / Geologist	3:18pm 2/23/22
1 Received By:		NICK G.	EA	15:10 2-23-22
2 Relinquished By:		NICK G	EA	18:00 2-23-22
2 Received By:		Glen	EA	1800 2/23/22
3 Relinquished				

5/7/0.4

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Malibu Semi-Annual

Date Received: 2/23/22 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: 5.7 #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: 0.4 #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: 2/23/22

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 458721

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458721
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/23/22

Sample ID: CCPE **Lab ID: 458721-001** **Collected: 02/23/22 09:55**
Matrix: Water

458721-001 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	0.01	1	284372	02/23/22 19:00	02/24/22 03:55	KLN
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.05	1	284372	02/23/22 19:00	02/24/22 03:55	KLN
Nitrogen, Nitrate/Nitrite	**1.5**		mg/L	0.10		1	284372	02/23/22 19:00	02/24/22 03:55	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.51**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**0.51**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.088**		mg/L	0.020	0.010	1	284627	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Coliform, Total	**340**		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	284417	02/24/22	02/25/22	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458721

Sample ID: SMBRP-7B	Lab ID: 458721-002	Collected: 02/23/22 11:00
	Matrix: Water	

458721-002 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	0.01	1	284372	02/23/22 19:00	02/24/22 04:15	KLN
Nitrogen, Nitrate	**3.1**		mg/L	0.10	0.05	1	284372	02/23/22 19:00	02/24/22 04:15	KLN
Nitrogen, Nitrate/Nitrite	**3.1**		mg/L	0.10		1	284372	02/23/22 19:00	02/24/22 04:15	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.58**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284365	02/24/22	02/24/22	ATP
Nitrogen, Total Kjeldahl	**0.58**	B	mg/L	0.40	0.19	1	284593	02/28/22	02/28/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.27**		mg/L	0.020	0.010	1	284627	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	284406	02/23/22 18:45	02/24/22 15:40	SMT
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	284417	02/24/22	02/25/22	WWC

< Value is less than indicated concentration
> Value exceeds indicated concentration
B Contamination found in associated Method Blank
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC974037	**Batch:** 284372
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC974037 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	02/23/22 19:00	02/24/22 02:12
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/23/22 19:00	02/24/22 02:12
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/23/22 19:00	02/24/22 02:12

Type: Lab Control Sample	**Lab ID:** QC974038	**Batch:** 284372
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC974038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	8.974	9.134	mg/L	98%		90-110
Nitrogen, Nitrate	8.557	9.036	mg/L	95%		90-110

Type: Matrix Spike	**Lab ID:** QC974039	**Batch:** 284372
Matrix (Source ID): Water (458710-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC974039 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.094	ND	9.134	mg/L	100%		80-120	1
Nitrogen, Nitrate	11.98	3.448	9.036	mg/L	94%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC974040	**Batch:** 284372
Matrix (Source ID): Water (458710-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC974040 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.341	ND	9.134	mg/L	102%		80-120	3	20	1
Nitrogen, Nitrate	12.20	3.448	9.036	mg/L	97%		80-120	2	20	1

Type: Blank	**Lab ID:** QC974030	**Batch:** 284365
Matrix: Water	**Method:** SM 4500-NH3-G	

QC974030 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.031	02/24/22	02/24/22

Type: Lab Control Sample	**Lab ID:** QC974031	**Batch:** 284365
Matrix: Water	**Method:** SM 4500-NH3-G	

QC974031 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.430	2.500	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC974032 | **Batch:** 284365
Matrix (Source ID): Water (458604-001) | **Method:** SM 4500-NH3-G

QC974032 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.297	ND	2.500	mg/L	92%		80-120	1

Type: Matrix Spike Duplicate | **Lab ID:** QC974033 | **Batch:** 284365
Matrix (Source ID): Water (458604-001) | **Method:** SM 4500-NH3-G

QC974033 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.333	ND	2.500	mg/L	93%		80-120	2	20	1

Type: Blank | **Lab ID:** QC974682 | **Batch:** 284593
Matrix: Water | **Method:** SM 4500-NH3-G

QC974682 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.15	J	mg/L	0.20	0.093	02/28/22	02/28/22

Type: Lab Control Sample | **Lab ID:** QC974683 | **Batch:** 284593
Matrix: Water | **Method:** SM 4500-NH3-G

QC974683 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.540	2.500	mg/L	102%		80-120

Type: Matrix Spike | **Lab ID:** QC974684 | **Batch:** 284593
Matrix (Source ID): Water (458648-001) | **Method:** SM 4500-NH3-G

QC974684 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.65	0.8626	12.50	mg/L	102%		80-120	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC974685 | **Batch:** 284593
Matrix (Source ID): Water (458648-001) | **Method:** SM 4500-NH3-G

QC974685 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.98	0.8626	12.50	mg/L	105%		80-120	2	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC974796	**Batch:** 284627
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC974796 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/02/22	03/02/22

Type: Lab Control Sample	**Lab ID:** QC974797	**Batch:** 284627
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC974797 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3850	0.4000	mg/L	96%		80-120

Type: Matrix Spike	**Lab ID:** QC974798	**Batch:** 284627
Matrix (Source ID): Water (458604-001)	**Method:** SM 4500-P-B5-E	

QC974798 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.105	0.1240	1.000	mg/L	98%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC974799	**Batch:** 284627
Matrix (Source ID): Water (458604-001)	**Method:** SM 4500-P-B5-E	

QC974799 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.135	0.1240	1.000	mg/L	101%		75-125	3	20	2.5

Type: Blank	**Lab ID:** QC974176	**Batch:** 284417
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974176 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/24/22	02/25/22

Type: Lab Control Sample	**Lab ID:** QC974177	**Batch:** 284417
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974177 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	97.00	100.0	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC974178**	**Batch:**	**284417**
Matrix (Source ID):	**Water (458721-002)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC974178 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,728	1702	mg/L		2	5	2

J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

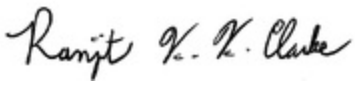
Lab Job Number: 458801
Report Level: II
Report Date: 03/08/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458801
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/24/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-12	458801-001	02/24/22 13:50	Water
MCWP-MW04S	458801-002	02/24/22 08:30	Water
MCWP-MW07S	458801-003	02/24/22 09:00	Water
MCWP-MW09	458801-004	02/24/22 13:10	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 458801 Project No: MALIBU Location: Malibu - Semi-Annual Date Received: 02/24/22

This data package contains sample and QC results for four water samples, requested for the above referenced project on 02/24/22. The samples were received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- High response was observed for nitrogen, nitrite in the CCV analyzed 02/25/22 02:24; affected data was qualified with "b".
- Chloride was detected between the MDL and the RL in the method blank for batch 284470; this analyte was detected in samples at a level at least 10 times that of the blank.
- 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	Lab No: 459801	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 - 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
~~SMBRP-9~~						X	X	X	X	X	X	X	X			
SMBRP-12	02-24-22	1350	W	1 L	Various	X	X	X	X	X	X	X	X			
MCWP-MW04S	02-24-22	0830	W	1 L	Various	X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			
MCWP-MW07S	02-24-22	0900	W	1 L	Various	X	X	X	X	X	X	X	X			
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			
MCWP-MW09	02-24-22	1310	W	5 L	Various	X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Marissa DeHoyos	Rincon / Geologist	02/24/22 2:52pm
[1] Received By:		NICK G	EA	2-24-22 1452
[2] Relinquished By:		NICK G	EA	2-24-22 17:50
[2] Received By:		Elizabeth Ramirez	EA	2-24-22 1750
[3] Relinquished By:				
[3] Received B				

9.5 / 10.1 2.1 / 1.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu - Semi Annual

Date Received: 02/24/22 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: 5.5 #2: 2.1 #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: 1.1 #2: 1.2 #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

11 containers received for sample 4.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 02/24/22

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 458801

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458801
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/24/22

Sample ID: SMBRP-12 **Lab ID: 458801-001** **Collected: 02/24/22 13:50**
Matrix: Water

458801-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**1.7**	J	mg/L	5.6	1.6	1.1	284634	02/28/22	02/28/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.76**		mg/L	0.050	0.0080	1	284484	02/25/22	02/25/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**600**		mg/L	130	13	25	284470	02/24/22 20:00	02/25/22 05:49	KLN
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284470	02/24/22 20:00	02/25/22 01:43	KLN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 01:43	KLN
Sulfate	**480**		mg/L	250	63	250	284957	03/04/22 10:00	03/04/22 15:38	SBW
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 01:43	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.90**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284490	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284566	02/26/22 17:24	02/26/22 17:24	WWC
Method: SM 4500-H+ B										
pH	**7.10**	H	SU			1	284563	02/25/22 09:02	02/25/22 09:02	MMP
Temperature	**11.50**	H	deg C	1.00		1	284563	02/25/22 09:02	02/25/22 09:02	MMP
Method: SM 4500-NH3-G										
Ammonia-N	**4.5**		mg/L	0.20	0.062	2	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**5.4**		mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.1**		mg/L	0.10	0.050	5	284829	03/02/22	03/02/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

458801-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**11**		mg/L	1.0	0.18	1	284832	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Coliform, Total	**5.2**		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	284489	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2130B										
Turbidity	**11**		NTU	0.10	0.07	1	284491	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,000**		mg/L	20		2	284512	02/25/22	02/26/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**10**		mg/L	0.6		1.1	284779	02/25/22	02/25/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**6.3**		mg/L	3.0		1	284508	02/25/22 09:02	03/02/22 11:18	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.055**		mg/L	0.040	0.027	1	284474	02/24/22 17:00	02/24/22 21:45	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**0.33**		mg/L			1	285087	03/07/22	03/07/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

Sample ID: MCWP-MW04S	Lab ID: 458801-002	Collected: 02/24/22 08:30
	Matrix: Water	

458801-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**1.6**	J	mg/L	5.6	1.6	1.1	284634	02/28/22	02/28/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.4**		mg/L	0.050	0.0080	1	284484	02/25/22	02/25/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**300**		mg/L	130	13	25	284470	02/24/22 20:00	02/25/22 06:09	KLN
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284470	02/24/22 20:00	02/25/22 02:04	KLN
Nitrogen, Nitrate	**0.90**		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 02:04	KLN
Sulfate	**2,100**		mg/L	250	63	250	284957	03/04/22 10:00	03/04/22 16:45	KLN
Nitrogen, Nitrate/Nitrite	**0.90**		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 02:04	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.94**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284490	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284566	02/26/22 17:24	02/26/22 17:24	WWC
Method: SM 4500-H+ B										
pH	**7.43**	H	SU			1	284563	02/25/22 09:00	02/25/22 09:00	MMP
Temperature	**10.70**	H	deg C	1.00		1	284563	02/25/22 09:00	02/25/22 09:00	MMP
Method: SM 4500-NH3-G										
Ammonia-N	**0.058**	J	mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**1.0**		mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.36**		mg/L	0.020	0.010	1	284829	03/02/22	03/02/22	ATP
Method: SM 5310B										
Total Organic Carbon	**21**		mg/L	1.0	0.18	1	284832	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

458801-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**120**	H	MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	284489	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2130B										
Turbidity	**7.5**		NTU	0.10	0.07	1	284491	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,400**		mg/L	20		2	284512	02/25/22	02/26/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**11**		mg/L	0.6		1.1	284779	02/25/22	02/25/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	284508	02/25/22 09:00	03/02/22 11:18	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.052**		mg/L	0.040	0.027	1	284474	02/24/22 17:00	02/24/22 21:45	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**1.0**		mg/L			1	285087	03/07/22	03/07/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

Sample ID: MCWP-MW07S	Lab ID: 458801-003	Collected: 02/24/22 09:00
	Matrix: Water	

458801-003 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	284634	02/28/22	02/28/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.36**		mg/L	0.050	0.0080	1	284485	02/25/22	02/26/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**220**		mg/L	130	13	25	284470	02/24/22 20:00	02/25/22 07:11	KLN
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284470	02/24/22 20:00	02/25/22 03:05	KLN
Nitrogen, Nitrate	**4.2**		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 03:05	KLN
Sulfate	**260**		mg/L	25	6.3	25	284470	02/24/22 20:00	02/25/22 07:11	KLN
Nitrogen, Nitrate/Nitrite	**4.2**		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 03:05	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**3.0**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284490	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284566	02/26/22 17:24	02/26/22 17:24	WWC
Method: SM 4500-H+ B										
pH	**7.13**	H	SU			1	284563	02/25/22 08:40	02/25/22 08:40	MMP
Temperature	**10.60**	H	deg C	1.00		1	284563	02/25/22 08:40	02/25/22 08:40	MMP
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**3.1**		mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.23**		mg/L	0.020	0.010	1	284829	03/02/22	03/02/22	ATP
Method: SM 5310B										
Total Organic Carbon	**5.0**		mg/L	1.0	0.18	1	284832	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**4.1**	H	MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

458801-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**310**	H	MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	284489	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2130B										
Turbidity	**1,100**		NTU	4.0	3.0	40	284491	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	40		4	284512	02/25/22	02/26/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1,400**		mg/L	5.0		10	284779	02/25/22	02/25/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	284508	02/25/22 08:40	03/02/22 11:18	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.11**	H	mg/L	0.10	0.068	2.5	284823	03/02/22 16:30	03/02/22 20:45	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**4.9**		mg/L			1	285087	03/07/22	03/07/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

Sample ID: MCWP-MW09	Lab ID: 458801-004	Collected: 02/24/22 13:10
	Matrix: Water	

458801-004 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	284634	02/28/22	02/28/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.73**		mg/L	0.050	0.0080	1	284484	02/25/22	02/25/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**500**		mg/L	130	13	25	284470	02/24/22 20:00	02/25/22 07:31	KLN
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	284470	02/24/22 20:00	02/25/22 03:26	KLN
Nitrogen, Nitrate	**0.19**		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 03:26	KLN
Sulfate	**510**		mg/L	25	6.3	25	284470	02/24/22 20:00	02/25/22 07:31	KLN
Nitrogen, Nitrate/Nitrite	**0.19**		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 03:26	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.59**		mg/L			1	284889	03/03/22	03/03/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	284490	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	284566	02/26/22 17:24	02/26/22 17:24	WWC
Method: SM 4500-H+ B										
pH	**7.88**	H	SU			1	284563	02/25/22 08:49	02/25/22 08:49	MMP
Temperature	**11.00**	H	deg C	1.00		1	284563	02/25/22 08:49	02/25/22 08:49	MMP
Method: SM 4500-NH3-G										
Ammonia-N	**0.16**		mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**0.75**		mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.029**		mg/L	0.020	0.010	1	284829	03/02/22	03/02/22	ATP
Method: SM 5310B										
Total Organic Carbon	**5.0**		mg/L	1.0	0.18	1	284832	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458801

458801-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**1,200**		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	284489	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2130B										
Turbidity	**57**		NTU	0.20	0.15	2	284491	02/24/22 20:15	02/24/22 20:15	ECC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	284512	02/25/22	02/26/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**28**		mg/L	0.6		1.1	284779	02/25/22	02/25/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**5.5**		mg/L	3.0		1	284508	02/25/22 08:49	03/02/22 11:18	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.29**		mg/L	0.040	0.027	1	284474	02/24/22 17:00	02/24/22 21:45	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**18**		mg/L			1	285087	03/07/22	03/07/22	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:** QC974833	**Batch:** 284634
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974833 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	02/28/22	02/28/22

Type: Lab Control Sample	**Lab ID:** QC974834	**Batch:** 284634
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974834 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	39.10	40.00	mg/L	98%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC974835	**Batch:** 284634
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC974835 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.30	40.00	mg/L	91%		78-114	7	18

Type: Blank	**Lab ID:** QC974374	**Batch:** 284484
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC974374 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	02/25/22	02/25/22

Type: Lab Control Sample	**Lab ID:** QC974375	**Batch:** 284484
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC974375 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.048	1.000	mg/L	105%		85-115

Type: Matrix Spike	**Lab ID:** QC974376	**Batch:** 284484
Matrix (Source ID): Water (458752-003)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC974376 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.083	0.02660	1.000	mg/L	106%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC974377	Batch:	284484
Matrix (Source ID):	Water (458752-003)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC974377 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.043	0.02660	1.000	mg/L	102%		75-125	4	20	1

Type:	Matrix Spike	Lab ID:	QC974378	Batch:	284484
Matrix (Source ID):	Water (458764-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC974378 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.744	0.6982	1.000	mg/L	105%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC974379	Batch:	284484
Matrix (Source ID):	Water (458764-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC974379 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.760	0.6982	1.000	mg/L	106%		75-125	1	20	1

Type:	Blank	Lab ID:	QC974380	Batch:	284485
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC974380 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	02/25/22	02/26/22

Type:	Lab Control Sample	Lab ID:	QC974381	Batch:	284485
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC974381 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.085	1.000	mg/L	108%		85-115

Type:	Matrix Spike	Lab ID:	QC974382	Batch:	284485
Matrix (Source ID):	Water (458764-002)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC974382 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.147	0.1024	1.000	mg/L	104%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC974383**	**Batch:**	**284485**
Matrix (Source ID):	**Water (458764-002)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC974383 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.131	0.1024	1.000	mg/L	103%		75-125	1	20	1

Type:	**Blank**	**Lab ID:**	**QC974324**	**Batch:**	**284470**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974324 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	1.6	J	mg/L	5.0	0.50	02/24/22 20:00	02/25/22 15:01
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	02/24/22 20:00	02/25/22 15:01
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/24/22 20:00	02/25/22 15:01
Sulfate	ND		mg/L	1.0	0.25	02/24/22 20:00	02/25/22 15:01
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/24/22 20:00	02/25/22 15:01

Type:	**Lab Control Sample**	**Lab ID:**	**QC974325**	**Batch:**	**284470**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974325 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	92.86	100.0	mg/L	93%		90-110
Nitrogen, Nitrite	9.060	9.134	mg/L	99%		90-110
Nitrogen, Nitrate	8.447	9.036	mg/L	93%		90-110
Sulfate	48.06	50.00	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC974326**	**Batch:**	**284470**
Matrix (Source ID):	**Water (458804-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC974326 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	3,511	922.7	2500	mg/L	104%		80-120	25
Nitrogen, Nitrite	9.570	ND	9.134	mg/L	105%	b	80-120	1
Nitrogen, Nitrate	8.944	ND	9.036	mg/L	99%		80-120	1
Sulfate	1,885	631.0	1250	mg/L	100%		80-120	25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC974327	**Batch:**	284470
Matrix (Source ID):	Water (458804-001)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC974327 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	3,466	922.7	2500	mg/L	102%		80-120	1	20	25
Nitrogen, Nitrite	9.844	ND	9.134	mg/L	108%	b	80-120	3	20	1
Nitrogen, Nitrate	9.181	ND	9.036	mg/L	102%		80-120	3	20	1
Sulfate	1,860	631.0	1250	mg/L	98%		80-120	1	20	25

Type:	Blank	**Lab ID:**	QC975773	**Batch:**	284957
Matrix:	Drinking Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC975773 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.25	03/04/22 10:00	03/04/22 12:38

Type:	Lab Control Sample	**Lab ID:**	QC975774	**Batch:**	284957
Matrix:	Drinking Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC975774 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	13.37	12.50	mg/L	107%		90-110

Type:	Matrix Spike	**Lab ID:**	QC975775	**Batch:**	284957
Matrix (Source ID):	Drinking Water (459227-001)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC975775 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	13.26	2.916	10.00	mg/L	103%		80-120	1

Type:	Matrix Spike Duplicate	**Lab ID:**	QC975776	**Batch:**	284957
Matrix (Source ID):	Drinking Water (459227-001)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC975776 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	13.53	2.916	10.00	mg/L	106%		80-120	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate **Lab ID:** QC974393 **Batch:** 284490
Matrix (Source ID): Water (458801-004) **Method:** SM 2150B

QC974393 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank **Lab ID:** QC974588 **Batch:** 284566
Matrix: Water **Method:** SM 4500-CL-G

QC974588 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	02/26/22 17:24	02/26/22 17:24

Type: Lab Control Sample **Lab ID:** QC974589 **Batch:** 284566
Matrix: Water **Method:** SM 4500-CL-G

QC974589 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.005	1.000	mg/L	101%		80-120

Type: Sample Duplicate **Lab ID:** QC974590 **Batch:** 284566
Matrix (Source ID): Water (458788-003) **Method:** SM 4500-CL-G

QC974590 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	1.323	1.332	mg/L		1	20	1

Type: Sample Duplicate **Lab ID:** QC974578 **Batch:** 284563
Matrix (Source ID): Water (458838-001) **Method:** SM 4500-H+ B

QC974578 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.850	6.810	SU		1	20	1
Temperature	18.80	18.70	deg C		1	20	1

Type: Blank **Lab ID:** QC975105 **Batch:** 284726
Matrix: Water **Method:** SM 4500-NH3-G

QC975105 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.093	03/02/22	03/02/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC975106 **Batch:** 284726
Matrix: Water **Method:** SM 4500-NH3-G

QC975106 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.270	2.500	mg/L	91%		80-120

Type: Matrix Spike **Lab ID:** QC975117 **Batch:** 284726
Matrix (Source ID): Water (458801-001) **Method:** SM 4500-NH3-G

QC975117 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.80	5.355	12.50	mg/L	92%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC975118 **Batch:** 284726
Matrix (Source ID): Water (458801-001) **Method:** SM 4500-NH3-G

QC975118 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	16.92	5.355	12.50	mg/L	93%		80-120	1	20	2.5

Type: Blank **Lab ID:** QC975373 **Batch:** 284824
Matrix: Water **Method:** SM 4500-NH3-G

QC975373 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.031	03/03/22	03/03/22

Type: Lab Control Sample **Lab ID:** QC975374 **Batch:** 284824
Matrix: Water **Method:** SM 4500-NH3-G

QC975374 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.559	2.500	mg/L	102%		80-120

Type: Matrix Spike **Lab ID:** QC975375 **Batch:** 284824
Matrix (Source ID): Water (459038-001) **Method:** SM 4500-NH3-G

QC975375 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.132	ND	2.500	mg/L	85%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC975376	Batch: 284824
Matrix (Source ID): Water (459038-001)	Method: SM 4500-NH3-G	

QC975376 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.133	ND	2.500	mg/L	85%		80-120	0	20	1

Type: Blank	Lab ID: QC975393	Batch: 284829
Matrix: Water	Method: SM 4500-P-B5-E	

QC975393 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/02/22	03/02/22

Type: Lab Control Sample	Lab ID: QC975394	Batch: 284829
Matrix: Water	Method: SM 4500-P-B5-E	

QC975394 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.3300	mg/L	118%		80-120

Type: Matrix Spike	Lab ID: QC975395	Batch: 284829
Matrix (Source ID): Water (458838-001)	Method: SM 4500-P-B5-E	

QC975395 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.070	0.06800	1.000	mg/L	100%		75-125	2.5

Type: Matrix Spike Duplicate	Lab ID: QC975396	Batch: 284829
Matrix (Source ID): Water (458838-001)	Method: SM 4500-P-B5-E	

QC975396 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.063	0.06800	1.000	mg/L	99%		75-125	1	20	2.5

Type: Blank	Lab ID: QC975405	Batch: 284832
Matrix: Water	Method: SM 5310B	

QC975405 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	03/02/22	03/02/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC975406	**Batch:** 284832
Matrix: Water	**Method:** SM 5310B	

QC975406 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	10.97	10.00	mg/L	110%		80-120

Type: Matrix Spike	**Lab ID:** QC975407	**Batch:** 284832
Matrix (Source ID): Water (458820-001)	**Method:** SM 5310B	

QC975407 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	88.74	9.475	80.00	mg/L	99%		80-120	8

Type: Matrix Spike Duplicate	**Lab ID:** QC975408	**Batch:** 284832
Matrix (Source ID): Water (458820-001)	**Method:** SM 5310B	

QC975408 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	88.22	9.475	80.00	mg/L	98%		80-120	1	20	8

Type: Sample Duplicate	**Lab ID:** QC974392	**Batch:** 284489
Matrix (Source ID): Water (458801-004)	**Method:** SM2120B	

QC974392 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate	**Lab ID:** QC974394	**Batch:** 284491
Matrix (Source ID): Water (458801-004)	**Method:** SM2130B	

QC974394 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	56.00	57.00	NTU		2	20	2

Type: Blank	**Lab ID:** QC974451	**Batch:** 284512
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC974451 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/25/22	02/26/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC974452	Batch: 284512
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC974452 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	103.0	100.0	mg/L	103%		90-110

Type: Sample Duplicate	Lab ID: QC974453	Batch: 284512
Matrix (Source ID): Water (458789-001)	Method: SM2540C	Prep Method: METHOD

QC974453 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	8,260	8520	mg/L		3	5	20

Type: Blank	Lab ID: QC975247	Batch: 284779
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC975247 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/25/22	02/25/22

Type: Sample Duplicate	Lab ID: QC975248	Batch: 284779
Matrix (Source ID): Water (458559-005)	Method: SM2540D	Prep Method: METHOD

QC975248 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,773	1770	mg/L		0	5	33

Type: Blank	Lab ID: QC974440	Batch: 284508
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC974440 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/25/22 08:52	03/02/22 11:18

Type: Lab Control Sample	Lab ID: QC974441	Batch: 284508
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC974441 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	196.0	198.0	mg/L	99%		84.6-115.4

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC974338 **Batch:** 284474
Matrix: Water **Method:** SM5540C

QC974338 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	02/24/22 17:00	02/24/22 21:45

Type: Lab Control Sample **Lab ID:** QC974339 **Batch:** 284474
Matrix: Water **Method:** SM5540C

QC974339 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9420	1.000	mg/L	94%		90-110

Type: Matrix Spike **Lab ID:** QC974340 **Batch:** 284474
Matrix (Source ID): Water (458700-001) **Method:** SM5540C

QC974340 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9960	ND	1.000	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC974341 **Batch:** 284474
Matrix (Source ID): Water (458700-001) **Method:** SM5540C

QC974341 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.010	ND	1.000	mg/L	100%		80-120	1	20	1

Type: Blank **Lab ID:** QC975369 **Batch:** 284823
Matrix: Drinking Water **Method:** SM5540C

QC975369 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	03/02/22 16:30	03/02/22 20:45

Type: Lab Control Sample **Lab ID:** QC975370 **Batch:** 284823
Matrix: Drinking Water **Method:** SM5540C

QC975370 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9900	1.000	mg/L	99%		90-110

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC975371**	**Batch:**	**284823**
Matrix (Source ID):	**Drinking Water (458963-001)**	**Method:**	**SM5540C**		

QC975371 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.021	ND	1.000	mg/L	100%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC975372**	**Batch:**	**284823**
Matrix (Source ID):	**Drinking Water (458963-001)**	**Method:**	**SM5540C**		

QC975372 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9930	ND	1.000	mg/L	97%		80-120	3	20	1

J Estimated value
ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

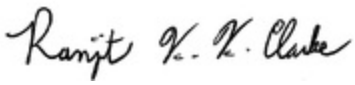
Lab Job Number: 458804
Report Level: II
Report Date: 03/08/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	458804
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/24/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-13	458804-001	02/24/22 13:20	Water
MCWP-MW10	458804-002	02/24/22 10:40	Water
SMBRP-11	458804-003	02/24/22 10:00	Water
LAMW-55	458804-004	02/24/22 11:30	Water

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 458804 Project No: MALIBU Location: Malibu - Semi-Annual Date Received: 02/24/22

This data package contains sample and QC results for four water samples, requested for the above referenced project on 02/24/22. The samples were received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- High response was observed for nitrogen, nitrite in the CCV analyzed 02/25/22 02:24; affected data was qualified with "b".
- 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	Lab No: 458804	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 - 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	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	EPA 300.0 (NO3)	Test Instructions / Comments
SMBRP-13	02-24-22	1320	W	5	Various	X	X	X	X	X		
MCWP-MW10	02-24-22	1040	W	5	Various	X	X	X	X	X		
~~CCP5~~						X	X	X	X	X		
~~MBCMW-9~~						X	X	X	X	X		
~~SMBRP-7B~~						X	X	X	X	X		
SMBRP-11	02-24-22	1000	W	5	Various	X	X	X	X	X		
LAMW-5S	02-24-22	1130	W	5	Various	X	X	X	X	X		
~~MCWP-MW05~~										X	X	
~~MCWP-MW06~~										X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Marissa DeHoyos	Rincon / Geologist	02/24/22 2:52pm
[1] Received By:		NICK G	EA	2-24-22 14:52
[2] Relinquished By:		NICK G	EA	2-24-22 17:50
[2] Received By:		Elizabeth Ramirez	EA	2-24-22 17:50
[3] Relinquished				

2.4 / 0.2

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu - Semi Annual

Date Received: 02/24/22 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: 2.4 #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: 0.2 #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: 02/24/22

ENTHALPY ANALYTICAL

Analysis Results for 458804

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 458804
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/24/22

Sample ID: SMBRP-13 **Lab ID: 458804-001** **Collected: 02/24/22 13:20**
Matrix: Water

458804-001 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	0.01	1	284470	02/24/22 20:00	02/25/22 03:46	KLN
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 03:46	KLN
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 03:46	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.33**		mg/L			1	285102	03/07/22	03/07/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**0.33**	J	mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.34**		mg/L	0.020	0.010	1	284829	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Coliform, Total	**1.0**		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,600**		mg/L	20		2	284512	02/25/22	02/26/22	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458804

Sample ID: MCWP-MW10	Lab ID: 458804-002	Collected: 02/24/22 10:40
	Matrix: Water	

458804-002 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	0.01	1	284470	02/24/22 20:00	02/25/22 04:47	KLN
Nitrogen, Nitrate	**0.66**		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 04:47	KLN
Nitrogen, Nitrate/Nitrite	**0.66**		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 04:47	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.38**		mg/L			1	285102	03/07/22	03/07/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**0.38**	J	mg/L	0.40	0.19	1	284760	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.037**		mg/L	0.020	0.010	1	284829	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Coliform, Total	<1.0		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,700**		mg/L	20		2	284512	02/25/22	02/26/22	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 458804

Sample ID: SMBRP-11	Lab ID: 458804-003	Collected: 02/24/22 10:00
	Matrix: Water	

458804-003 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	0.01	1	284470	02/24/22 20:00	02/25/22 05:08	KLN
Nitrogen, Nitrate	**2.5**		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 05:08	KLN
Nitrogen, Nitrate/Nitrite	**2.5**		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 05:08	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.0**		mg/L			1	285102	03/07/22	03/07/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**1.4**		mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**2.4**		mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.041**		mg/L	0.020	0.010	1	284829	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Coliform, Total	**14**	H	MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	284512	02/25/22	02/26/22	WWC

Results for any subcontracted analyses are not included in this section.

Analysis Results for 458804

Sample ID: LAMW-55	Lab ID: 458804-004	Collected: 02/24/22 11:30
	Matrix: Water	

458804-004 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	0.01	1	284470	02/24/22 20:00	02/25/22 05:28	KLN
Nitrogen, Nitrate	**18**		mg/L	0.10	0.05	1	284470	02/24/22 20:00	02/25/22 05:28	KLN
Nitrogen, Nitrate/Nitrite	**18**		mg/L	0.10		1	284470	02/24/22 20:00	02/25/22 05:28	KLN
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.41**		mg/L			1	285102	03/07/22	03/07/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.031	1	284824	03/03/22	03/03/22	ATP
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.19	1	284726	03/02/22	03/02/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**2.4**		mg/L	0.10	0.050	5	284829	03/02/22	03/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Coliform, Total	**390**		MPN/100ml	1.0		1	284466	02/24/22 18:15	02/25/22 14:52	SMT
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	284512	02/25/22	02/26/22	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: QC974324	Batch: 284470
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC974324 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	02/24/22 20:00	02/25/22 15:01
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/24/22 20:00	02/25/22 15:01
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/24/22 20:00	02/25/22 15:01

Type: Lab Control Sample	Lab ID: QC974325	Batch: 284470
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC974325 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.060	9.134	mg/L	99%		90-110
Nitrogen, Nitrate	8.447	9.036	mg/L	93%		90-110

Type: Matrix Spike	Lab ID: QC974326	Batch: 284470
Matrix (Source ID): Water (458804-001)	Method: EPA 300.0	Prep Method: METHOD

QC974326 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.570	ND	9.134	mg/L	105%	b	80-120	1
Nitrogen, Nitrate	8.944	ND	9.036	mg/L	99%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC974327	Batch: 284470
Matrix (Source ID): Water (458804-001)	Method: EPA 300.0	Prep Method: METHOD

QC974327 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.844	ND	9.134	mg/L	108%	b	80-120	3	20	1
Nitrogen, Nitrate	9.181	ND	9.036	mg/L	102%		80-120	3	20	1

Type: Blank	Lab ID: QC975105	Batch: 284726
Matrix: Water	Method: SM 4500-NH3-G	

QC975105 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.093	03/02/22	03/02/22

Type: Lab Control Sample	Lab ID: QC975106	Batch: 284726
Matrix: Water	Method: SM 4500-NH3-G	

QC975106 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.270	2.500	mg/L	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike **Lab ID:** QC975117 **Batch:** 284726
Matrix (Source ID): Water (458801-001) **Method:** SM 4500-NH3-G

QC975117 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.80	5.355	12.50	mg/L	92%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC975118 **Batch:** 284726
Matrix (Source ID): Water (458801-001) **Method:** SM 4500-NH3-G

QC975118 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	16.92	5.355	12.50	mg/L	93%		80-120	1	20	2.5

Type: Blank **Lab ID:** QC975180 **Batch:** 284760
Matrix: Water **Method:** SM 4500-NH3-G

QC975180 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.093	03/02/22	03/02/22

Type: Lab Control Sample **Lab ID:** QC975181 **Batch:** 284760
Matrix: Water **Method:** SM 4500-NH3-G

QC975181 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.442	2.500	mg/L	98%		80-120

Type: Matrix Spike **Lab ID:** QC975182 **Batch:** 284760
Matrix (Source ID): Water (458804-002) **Method:** SM 4500-NH3-G

QC975182 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.75	0.3795	12.50	mg/L	91%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC975183 **Batch:** 284760
Matrix (Source ID): Water (458804-002) **Method:** SM 4500-NH3-G

QC975183 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	11.86	0.3795	12.50	mg/L	92%		80-120	1	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC975373** **Batch: 284824**
Matrix: Water **Method: SM 4500-NH3-G**

QC975373 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.031	03/03/22	03/03/22

Type: Lab Control Sample **Lab ID: QC975374** **Batch: 284824**
Matrix: Water **Method: SM 4500-NH3-G**

QC975374 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.559	2.500	mg/L	102%		80-120

Type: Matrix Spike **Lab ID: QC975375** **Batch: 284824**
Matrix (Source ID): Water (459038-001) **Method: SM 4500-NH3-G**

QC975375 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.132	ND	2.500	mg/L	85%		80-120	1

Type: Matrix Spike Duplicate **Lab ID: QC975376** **Batch: 284824**
Matrix (Source ID): Water (459038-001) **Method: SM 4500-NH3-G**

QC975376 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.133	ND	2.500	mg/L	85%		80-120	0	20	1

Type: Blank **Lab ID: QC975393** **Batch: 284829**
Matrix: Water **Method: SM 4500-P-B5-E**

QC975393 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/02/22	03/02/22

Type: Lab Control Sample **Lab ID: QC975394** **Batch: 284829**
Matrix: Water **Method: SM 4500-P-B5-E**

QC975394 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.3300	mg/L	118%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC975395	Batch: 284829
Matrix (Source ID): Water (458838-001)	Method: SM 4500-P-B5-E	

QC975395 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.070	0.06800	1.000	mg/L	100%		75-125	2.5

Type: Matrix Spike Duplicate	Lab ID: QC975396	Batch: 284829
Matrix (Source ID): Water (458838-001)	Method: SM 4500-P-B5-E	

QC975396 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.063	0.06800	1.000	mg/L	99%		75-125	1	20	2.5

Type: Blank	Lab ID: QC974451	Batch: 284512
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC974451 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/25/22	02/26/22

Type: Lab Control Sample	Lab ID: QC974452	Batch: 284512
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC974452 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	103.0	100.0	mg/L	103%		90-110

Type: Sample Duplicate	Lab ID: QC974453	Batch: 284512
Matrix (Source ID): Water (458789-001)	Method: SM2540C	Prep Method: METHOD

QC974453 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	8,260	8520	mg/L		3	5	20

ND Not Detected
b See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

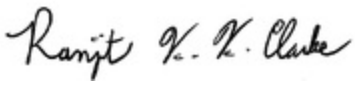
Lab Job Number: 462600
Report Level: II
Report Date: 05/20/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	462600
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	05/10/22

Sample ID	Lab ID	Collected	Matrix
N-001	462600-001	05/10/22 11:57	Water
N-002	462600-002	05/10/22 12:09	Water
N-003	462600-003	05/10/22 10:48	Water
N-004	462600-004	05/10/22 09:41	Water
L-001	462600-005	05/10/22 09:37	Water
L-002	462600-006	05/10/22 09:08	Water
L-003	462600-007	05/10/22 08:53	Water
L-004	462600-008	05/10/22 10:16	Water
L-005	462600-009	05/10/22 11:00	Water
L-006	462600-010	05/10/22 10:32	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: 462600	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
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Lindsey Stockton

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	Analysis Request	Test Instructions / Comments
N-001	5/10/22	11:57	SeaW	4 Bottles		X	X	X		5.3 / 2.6
N-002		12:09				X	X	X		5:1 / 1:1
N-003		10:48				X	X	X		
N-004		9:41				X	X	X		
L-001		9:37				X	X	X		
L-002		9:08				X	X	X		
L-003		8:53				X	X	X		
L-004		10:16				X	X	X		
L-005		11:00				X	X	X		
L-006		10:32				X	X	X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Lindsey Stockton	Rincon/Biologist	5/10 1244
[1] Received By:	LANDON L.	LANDON LUJAN	RINCON	5/10 1244
[2] Relinquished By:		LANDON LUJAN	RINCON	5/10 1352
[2] Received By:		N. Clark	EA	5-10-22 1352
[3] Relinquished By:		N. Clark	EA	5-10-22 1650
[3] Received By:		Elizabeth Ramirez	EA	5-10-22 16:50

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Malibu- Quarterly

Date Received: 5/10/22

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: 5.3 #2: 5.1 #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: 2.6 #2: 1.1 #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

Unpreserved container cap received switched with the preserved H_2SO_4 container cap. Possible contamination of H_2SO_4 on unpreserved sample for "N-004"

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): RKG 5/10/22

Project Manager's response:

Completed By: _____ Date: 5/10/22

ENTHALPY ANALYTICAL

Analysis Results for 462600

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 462600
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 05/10/22

Sample ID: N-001 **Lab ID: 462600-001** **Collected: 05/10/22 11:57**
Matrix: Water

462600-001 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	1.0	50	289251	05/11/22 12:10	05/11/22 17:52	RKV
Nitrogen, Nitrate	ND		mg/L	5.0	1.6	50	289251	05/11/22 12:10	05/11/22 17:52	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.23**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**70**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462600

Sample ID: N-002	Lab ID: 462600-002	Collected: 05/10/22 12:09
	Matrix: Water	

462600-002 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	1.0	50	289251	05/11/22 12:10	05/11/22 18:26	RKV
Nitrogen, Nitrate	ND		mg/L	5.0	1.6	50	289251	05/11/22 12:10	05/11/22 18:26	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.18**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**33**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Sample ID: N-003	Lab ID: 462600-003	Collected: 05/10/22 10:48
	Matrix: Water	

462600-003 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	1.0	50	289251	05/11/22 12:10	05/11/22 18:59	RKV
Nitrogen, Nitrate	ND		mg/L	5.0	1.6	50	289251	05/11/22 12:10	05/11/22 18:59	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.48**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.48**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.087**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**180**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462600

Sample ID: N-004	Lab ID: 462600-004	Collected: 05/10/22 09:41
	Matrix: Water	

462600-004 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	1.0	50	289251	05/11/22 12:10	05/11/22 19:44	RKV
Nitrogen, Nitrate	ND		mg/L	5.0	1.6	50	289251	05/11/22 12:10	05/11/22 19:44	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.37**	J	mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.37**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.14**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**57**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Sample ID: L-001	Lab ID: 462600-005	Collected: 05/10/22 09:37
	Matrix: Water	

462600-005 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	289251	05/10/22 10:00	05/10/22 23:01	RKV
Nitrogen, Nitrate	**0.10**	J	mg/L	0.10	0.03	1	289251	05/10/22 10:00	05/10/22 23:01	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.32**	J	mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.32**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.41**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**650**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462600

Sample ID: L-002	Lab ID: 462600-006	Collected: 05/10/22 09:08
	Matrix: Water	

462600-006 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	289251	05/10/22 10:00	05/10/22 23:18	RKV
Nitrogen, Nitrate	**0.74**		mg/L	0.10	0.03	1	289251	05/10/22 10:00	05/10/22 23:18	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.30**	J	mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.30**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**18**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Sample ID: L-003	Lab ID: 462600-007	Collected: 05/10/22 08:53
	Matrix: Water	

462600-007 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	289251	05/10/22 10:00	05/11/22 00:08	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289251	05/10/22 10:00	05/11/22 00:08	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.1**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**2.1**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.34**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**36**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462600

Sample ID: L-004	Lab ID: 462600-008	Collected: 05/10/22 10:16
	Matrix: Water	

462600-008 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	289251	05/10/22 10:20	05/11/22 00:25	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289251	05/10/22 10:20	05/11/22 00:25	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.39**		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**31**		mg/L	10	3.1	25	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**31**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**1.7**		mg/L	0.10	0.027	5	289473	05/16/22	05/16/22	ATP
Method: SM 9221B Prep Method: METHOD										
Coliform, Total	**170**		MPN/100ml	1.8		1	289183	05/10/22 17:11	05/14/22 12:50	SMT
Method: SM 9221E Prep Method: METHOD										
Fecal Coliform	**110**		MPN/100ml	1.8		1	289183	05/10/22 17:11	05/13/22 13:14	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462600

Sample ID: L-005	Lab ID: 462600-009	Collected: 05/10/22 11:00
	Matrix: Water	

462600-009 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	289251	05/10/22 11:00	05/11/22 00:42	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289251	05/10/22 11:00	05/11/22 00:42	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**4.6**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**4.6**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.68**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**10**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Sample ID: L-006	Lab ID: 462600-010	Collected: 05/10/22 10:32
	Matrix: Water	

462600-010 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	289251	05/10/22 11:00	05/11/22 14:32	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289251	05/10/22 11:00	05/11/22 14:32	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.64**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.64**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**130**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

Analysis Results for 462600

<	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:**	**QC988987**	**Batch:**	**289251**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988987 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	05/11/22 12:10	05/11/22 21:08
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	05/11/22 12:10	05/11/22 21:08

Type:	**Lab Control Sample**	**Lab ID:**	**QC988988**	**Batch:**	**289251**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988988 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	2.468	2.283	mg/L	108%		90-110
Nitrogen, Nitrate	2.362	2.259	mg/L	105%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC988989**	**Batch:**	**289251**
Matrix (Source ID):	**Drinking Water (462681-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988989 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.661	0.02576	1.827	mg/L	90%		80-120	1
Nitrogen, Nitrate	2.101	ND	1.807	mg/L	116%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC988990**	**Batch:**	**289251**
Matrix (Source ID):	**Drinking Water (462681-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988990 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.665	0.02576	1.827	mg/L	90%		80-120	0	20	1
Nitrogen, Nitrate	2.089	ND	1.807	mg/L	116%		80-120	1	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC988991**	**Batch:**	**289251**
Matrix (Source ID):	**Drinking Water (462692-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988991 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.705	0.02408	1.827	mg/L	92%		80-120	1
Nitrogen, Nitrate	2.056	ND	1.807	mg/L	114%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC988992**	**Batch:**	**289251**
Matrix (Source ID):	**Drinking Water (462692-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988992 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.708	0.02408	1.827	mg/L	92%		80-120	0	20	1
Nitrogen, Nitrate	2.072	ND	1.807	mg/L	115%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC989867**	**Batch:**	**289551**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989867 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	05/17/22	05/17/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC989868**	**Batch:**	**289551**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.622	2.500	mg/L	105%		80-120

Type:	**Blank**	**Lab ID:**	**QC989869**	**Batch:**	**289551**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989869 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	05/17/22	05/17/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC989870**	**Batch:**	**289551**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989870 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.607	2.500	mg/L	104%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC989871**	**Batch:**	**289551**
Matrix (Source ID):	**Water (462538-001)**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989871 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	12.47	ND	12.50	mg/L	100%		80-120	5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC989872	Batch:	289551
Matrix (Source ID):	Water (462538-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC989872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	12.59	ND	12.50	mg/L	101%		80-120	1	20	5

Type:	Matrix Spike	Lab ID:	QC989873	Batch:	289551
Matrix (Source ID):	Water (462689-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC989873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.632	ND	2.500	mg/L	105%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC989874	Batch:	289551
Matrix (Source ID):	Water (462689-001)	Method:	EPA 350.1	Prep Method:	METHOD

QC989874 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.600	ND	2.500	mg/L	104%		80-120	1	20	1

Type:	Blank	Lab ID:	QC988966	Batch:	289246
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC988966 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	05/18/22	05/18/22

Type:	Lab Control Sample	Lab ID:	QC988967	Batch:	289246
Matrix:	Water	Method:	EPA 351.2	Prep Method:	METHOD

QC988967 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.310	2.500	mg/L	92%		90-110

Type:	Matrix Spike	Lab ID:	QC988968	Batch:	289246
Matrix (Source ID):	Water (462600-001)	Method:	EPA 351.2	Prep Method:	METHOD

QC988968 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.79	ND	12.50	mg/L	94%		90-110	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate | **Lab ID:** QC988969 | **Batch:** 289246
Matrix (Source ID): Water (462600-001) | **Method:** EPA 351.2 | **Prep Method:** METHOD

QC988969 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	11.27	ND	12.50	mg/L	90%		90-110	5	20	2.5

Type: Blank | **Lab ID:** QC990089 | **Batch:** 289246
Matrix: Water | **Method:** EPA 351.2 | **Prep Method:** METHOD

QC990089 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	05/18/22	05/18/22

Type: Lab Control Sample | **Lab ID:** QC990090 | **Batch:** 289246
Matrix: Water | **Method:** EPA 351.2 | **Prep Method:** METHOD

QC990090 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.280	2.500	mg/L	91%		90-110

Type: Matrix Spike | **Lab ID:** QC990091 | **Batch:** 289246
Matrix (Source ID): Water (462789-001) | **Method:** EPA 351.2 | **Prep Method:** METHOD

QC990091 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.37	0.9230	12.50	mg/L	100%		90-110	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC990092 | **Batch:** 289246
Matrix (Source ID): Water (462789-001) | **Method:** EPA 351.2 | **Prep Method:** METHOD

QC990092 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.30	0.9230	12.50	mg/L	99%		90-110	0	20	2.5

Type: Blank | **Lab ID:** QC989656 | **Batch:** 289473
Matrix: Water | **Method:** SM 4500-P-B5-E

QC989656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	05/16/22	05/16/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC989657	**Batch:** 289473
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC989657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

Type: Matrix Spike	**Lab ID:** QC989658	**Batch:** 289473
Matrix (Source ID): Water (462570-001)	**Method:** SM 4500-P-B5-E	

QC989658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.065	0.06000	1.000	mg/L	101%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC989659	**Batch:** 289473
Matrix (Source ID): Water (462570-001)	**Method:** SM 4500-P-B5-E	

QC989659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.070	0.06000	1.000	mg/L	101%		75-125	0	20	2.5

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

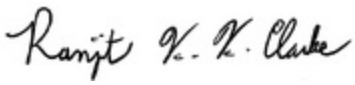
Lab Job Number: 462603
Report Level: II
Report Date: 05/20/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	462603
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	05/10/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	462603-001	05/10/22 13:15	Water
MCWP-MW04S	462603-002	05/10/22 08:45	Water
MCWP-MW07S	462603-003	05/10/22 10:40	Water
MCWP-MW07D	462603-004	05/10/22 11:00	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: 462603	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
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	LANDON LUJAN

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	5/10/22	1315	GW	11		X	X	X	X	X	X	X	X			5.3/1.8
~~SMBRP-12~~						X	X	X	X	X	X	X	X			
MCWP-MW04S	5/10/22	0845	GW	11		X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			
MCWP-MW07S	5/10/22	1040	GW	11		X	X	X	X	X	X	X	X			
MCWP-MW07D	5/10/22	1100	GW	11		X	X	X	X	X	X	X	X			
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Landon Lujan	LANDON LUJAN	RINCON	5/10/22 | 1352
1 Received By:		NICK G	EA	5-10-22 1352
2 Relinquished By:		NICK G	~~EA~~ EA	5-10-22 1650
2 Received By:		Elizabeth Ramirez	EA	5-10-22 16:50
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu- Quarterly

Date Received: 5/10/22 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: 5.3 #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: 1.9 #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: 5/10/22

ENTHALPY ANALYTICAL

Analysis Results for 462603

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 462603
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 05/10/22

Sample ID: SMBRP-9 **Lab ID: 462603-001** **Collected: 05/10/22 13:15**
Matrix: Water

462603-001 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	289159	05/10/22	05/10/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.69**		mg/L	0.050	0.0080	1	289211	05/11/22	05/13/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**230**		mg/L	25	13	25	289187	05/10/22 23:00	05/11/22 14:49	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289187	05/10/22 23:00	05/11/22 01:33	RKV
Nitrogen, Nitrate	**18**		mg/L	2.5	0.81	25	289187	05/10/22 23:00	05/11/22 14:49	RKV
Sulfate	**280**		mg/L	25	6.3	25	289187	05/10/22 23:00	05/11/22 14:49	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.14**	J	mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.14**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289217	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.44**	H	SU			1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Temperature	**21.20**	H	deg C	1.00		1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Method: SM 4500-P-B5-E										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

462603-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Phosphorus	**0.11**		mg/L	0.020	0.0054	1	289470	05/16/22	05/16/22	ATP
Method: SM 5310B										
Total Organic Carbon	**21**		mg/L	1.0	0.18	1	289184	05/10/22	05/10/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Coliform, Total	**13**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Method: SM2120B										
Color	ND		ColorUnits	5		1	289216	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2130B										
Turbidity	**4.9**		NTU	0.10	0.02	1	289215	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	289321	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**5.2**		mg/L	0.6		1.1	289392	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	289228	05/11/22 10:35	05/16/22 09:59	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.030**	J	mg/L	0.040	0.027	1	289308	05/11/22 11:00	05/11/22 19:59	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**18**		mg/L			1	289713	05/19/22	05/19/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

Sample ID: MCWP-MW04S	Lab ID: 462603-002	Collected: 05/10/22 08:45
	Matrix: Water	

462603-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**3.0**	J	mg/L	5.6	1.6	1.1	289159	05/10/22	05/10/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.5**		mg/L	0.050	0.0080	1	289211	05/11/22	05/13/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**340**		mg/L	100	50	100	289187	05/10/22 23:00	05/12/22 03:03	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289187	05/10/22 23:00	05/11/22 08:55	RKV
Nitrogen, Nitrate	**0.94**		mg/L	0.10	0.03	1	289187	05/10/22 23:00	05/11/22 08:55	RKV
Sulfate	**2,000**		mg/L	100	25	100	289187	05/10/22 23:00	05/12/22 03:03	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.66**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.66**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289217	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.61**	H	SU			1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Temperature	**21.20**	H	deg C	1.00		1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Method: SM 4500-P-B5-E										
Phosphorus	**0.30**		mg/L	0.020	0.0054	1	289470	05/16/22	05/16/22	ATP
Method: SM 5310B										
Total Organic Carbon	**28**		mg/L	1.0	0.18	1	289184	05/10/22	05/10/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

462603-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Method: SM2120B										
Color	ND		ColorUnits	5		1	289216	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2130B										
Turbidity	**2.7**		NTU	0.10	0.02	1	289215	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,500**		mg/L	20		2	289321	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**13**		mg/L	0.6		1.1	289392	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	289228	05/11/22 09:44	05/16/22 09:59	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.068**		mg/L	0.040	0.027	1	289308	05/11/22 11:00	05/11/22 19:59	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**1.6**		mg/L			1	289713	05/19/22	05/19/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

Sample ID: MCWP-MW07S	Lab ID: 462603-003	Collected: 05/10/22 10:40
	Matrix: Water	

462603-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**3.6**	J	mg/L	5.6	1.6	1.1	289159	05/10/22	05/10/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.35**		mg/L	0.050	0.0080	1	289211	05/11/22	05/13/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**230**		mg/L	50	25	50	289187	05/10/22 23:00	05/11/22 15:23	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289187	05/10/22 23:00	05/11/22 09:12	RKV
Nitrogen, Nitrate	**3.7**		mg/L	0.10	0.03	1	289187	05/10/22 23:00	05/11/22 09:12	RKV
Sulfate	**240**		mg/L	50	13	50	289187	05/10/22 23:00	05/11/22 15:23	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	ND		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.47**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.47**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289217	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.69**	H	SU			1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Temperature	**21.10**	H	deg C	1.00		1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Method: SM 4500-P-B5-E										
Phosphorus	**0.39**		mg/L	0.020	0.0054	1	289470	05/16/22	05/16/22	ATP
Method: SM 5310B										
Total Organic Carbon	**7.5**		mg/L	1.0	0.18	1	289184	05/10/22	05/10/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

462603-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**12**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Method: SM2120B										
Color	ND		ColorUnits	5		1	289216	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2130B										
Turbidity	**76**		NTU	0.40	0.08	4	289215	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	289321	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**310**		mg/L	2.5		5	289392	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	289228	05/11/22 09:45	05/16/22 09:59	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.029**	J	mg/L	0.040	0.027	1	289308	05/11/22 11:00	05/11/22 19:59	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**4.2**		mg/L			1	289713	05/19/22	05/19/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

Sample ID: MCWP-MW07D	Lab ID: 462603-004	Collected: 05/10/22 11:00
	Matrix: Water	

462603-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**3.7**	J	mg/L	5.6	1.6	1.1	289159	05/10/22	05/10/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.47**		mg/L	0.050	0.0080	1	289211	05/11/22	05/13/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**240**		mg/L	25	13	25	289187	05/10/22 23:00	05/11/22 15:39	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289187	05/10/22 23:00	05/11/22 09:28	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289187	05/10/22 23:00	05/11/22 09:28	RKV
Sulfate	**320**		mg/L	25	6.3	25	289187	05/10/22 23:00	05/11/22 15:39	RKV
Method: EPA 350.1 Prep Method: METHOD										
Ammonia-N	**0.16**		mg/L	0.10	0.045	1	289551	05/17/22	05/17/22	ATP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.63**		mg/L	0.40	0.12	1	289246	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.47**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289217	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.64**	H	SU			1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Temperature	**21.20**	H	deg C	1.00		1	289405	05/13/22 12:10	05/13/22 12:10	LVL
Method: SM 4500-P-B5-E										
Phosphorus	**0.52**		mg/L	0.020	0.0054	1	289470	05/16/22	05/16/22	ATP
Method: SM 5310B										
Total Organic Carbon	**5.5**		mg/L	1.0	0.18	1	289184	05/10/22	05/10/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462603

462603-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**2,000**		MPN/100ml	1.0		1	289182	05/10/22 17:30	05/11/22 11:58	PAS
Method: SM2120B										
Color	ND		ColorUnits	5		1	289216	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2130B										
Turbidity	**0.98**		NTU	0.10	0.02	1	289215	05/10/22 18:12	05/10/22 18:12	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	289321	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**2.7**		mg/L	0.6		1.1	289392	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**110**		mg/L	3.0		1	289228	05/11/22 09:46	05/16/22 09:59	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.028**	J	mg/L	0.040	0.027	1	289308	05/11/22 11:00	05/11/22 19:59	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.63**		mg/L			1	289713	05/19/22	05/19/22	SLL

< 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:** QC988736	**Batch:** 289159
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC988736 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	05/10/22	05/10/22

Type: Lab Control Sample	**Lab ID:** QC988737	**Batch:** 289159
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC988737 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	39.80	40.00	mg/L	100%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC988738	**Batch:** 289159
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC988738 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.50	40.00	mg/L	99%		78-114	1	18

Type: Blank	**Lab ID:** QC988893	**Batch:** 289211
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC988893 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	05/11/22	05/16/22

Type: Lab Control Sample	**Lab ID:** QC988894	**Batch:** 289211
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC988894 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3768	0.4000	mg/L	94%		85-115

Type: Matrix Spike	**Lab ID:** QC988895	**Batch:** 289211
Matrix (Source ID): Water (462579-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC988895 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.180	0.6860	0.4000	mg/L	123%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC988896	**Batch:**	289211
Matrix (Source ID):	Water (462579-001)	**Method:**	EPA 200.7	**Prep Method:**	EPA 200.7

QC988896 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.189	0.6860	0.4000	mg/L	126%	*	75-125	1	20	1

Type:	Blank	**Lab ID:**	QC988805	**Batch:**	289187
Matrix:	Drinking Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC988805 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	0.65	J	mg/L	1.0	0.50	05/10/22 23:00	05/11/22 10:19
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	05/10/22 23:00	05/11/22 10:19
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	05/10/22 23:00	05/11/22 10:19
Sulfate	ND		mg/L	1.0	0.25	05/10/22 23:00	05/11/22 10:19

Type:	Lab Control Sample	**Lab ID:**	QC988806	**Batch:**	289187
Matrix:	Drinking Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC988806 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	25.84	25.00	mg/L	103%		90-110
Nitrogen, Nitrite	2.468	2.283	mg/L	108%		90-110
Nitrogen, Nitrate	2.351	2.259	mg/L	104%		90-110
Sulfate	13.19	12.50	mg/L	105%		90-110

Type:	Matrix Spike	**Lab ID:**	QC988807	**Batch:**	289187
Matrix (Source ID):	Drinking Water (462610-001)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC988807 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	116.5	97.22	20.00	mg/L	96%	NM	80-120	10
Nitrogen, Nitrite	1.857	0.02314	1.827	mg/L	100%		80-120	1
Nitrogen, Nitrate	2.165	ND	1.807	mg/L	120%		80-120	1
Sulfate	26.98	15.71	10.00	mg/L	113%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC988808**	**Batch:**	**289187**
Matrix (Source ID):	**Drinking Water (462610-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988808 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	116.5	97.22	20.00	mg/L	97%	NM	80-120	0	20	10
Nitrogen, Nitrite	1.911	0.02314	1.827	mg/L	103%		80-120	3	20	1
Nitrogen, Nitrate	2.251	ND	1.807	mg/L	125%	*	80-120	4	20	1
Sulfate	27.41	15.71	10.00	mg/L	117%		80-120	2	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC988809**	**Batch:**	**289187**
Matrix (Source ID):	**Drinking Water (462614-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988809 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	37.47	14.01	20.00	mg/L	117%		80-120	1
Nitrogen, Nitrite	1.759	0.02986	1.827	mg/L	95%		80-120	1
Nitrogen, Nitrate	3.398	1.126	1.807	mg/L	126%	*	80-120	1
Sulfate	41.38	29.90	10.00	mg/L	115%	E	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC988810**	**Batch:**	**289187**
Matrix (Source ID):	**Drinking Water (462614-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988810 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	37.57	14.01	20.00	mg/L	118%		80-120	0	20	1
Nitrogen, Nitrite	1.756	0.02986	1.827	mg/L	94%		80-120	0	20	1
Nitrogen, Nitrate	3.418	1.126	1.807	mg/L	127%	*	80-120	1	20	1
Sulfate	41.32	29.90	10.00	mg/L	114%	E	80-120		20	1

Type:	**Blank**	**Lab ID:**	**QC989867**	**Batch:**	**289551**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989867 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	05/17/22	05/17/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC989868**	**Batch:**	**289551**
Matrix:	**Water**	**Method:**	**EPA 350.1**	**Prep Method:**	**METHOD**

QC989868 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.622	2.500	mg/L	105%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC989869	Batch: 289551
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC989869 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	05/17/22	05/17/22

Type: Lab Control Sample	Lab ID: QC989870	Batch: 289551
Matrix: Water	Method: EPA 350.1	Prep Method: METHOD

QC989870 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.607	2.500	mg/L	104%		80-120

Type: Matrix Spike	Lab ID: QC989871	Batch: 289551
Matrix (Source ID): Water (462538-001)	Method: EPA 350.1	Prep Method: METHOD

QC989871 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	12.47	ND	12.50	mg/L	100%		80-120	5

Type: Matrix Spike Duplicate	Lab ID: QC989872	Batch: 289551
Matrix (Source ID): Water (462538-001)	Method: EPA 350.1	Prep Method: METHOD

QC989872 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	12.59	ND	12.50	mg/L	101%		80-120	1	20	5

Type: Matrix Spike	Lab ID: QC989873	Batch: 289551
Matrix (Source ID): Water (462689-001)	Method: EPA 350.1	Prep Method: METHOD

QC989873 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.632	ND	2.500	mg/L	105%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC989874	Batch: 289551
Matrix (Source ID): Water (462689-001)	Method: EPA 350.1	Prep Method: METHOD

QC989874 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.600	ND	2.500	mg/L	104%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC988966	**Batch:** 289246
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC988966 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	05/18/22	05/18/22

Type: Lab Control Sample	**Lab ID:** QC988967	**Batch:** 289246
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC988967 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.310	2.500	mg/L	92%		90-110

Type: Matrix Spike	**Lab ID:** QC988968	**Batch:** 289246
Matrix (Source ID): Water (462600-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC988968 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.79	ND	12.50	mg/L	94%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC988969	**Batch:** 289246
Matrix (Source ID): Water (462600-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC988969 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	11.27	ND	12.50	mg/L	90%		90-110	5	20	2.5

Type: Blank	**Lab ID:** QC990089	**Batch:** 289246
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC990089 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	05/18/22	05/18/22

Type: Lab Control Sample	**Lab ID:** QC990090	**Batch:** 289246
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC990090 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.280	2.500	mg/L	91%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	**Lab ID:**	QC990091	**Batch:**	289246
Matrix (Source ID):	Water (462789-001)	**Method:**	EPA 351.2	**Prep Method:**	METHOD

QC990091 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.37	0.9230	12.50	mg/L	100%		90-110	2.5

Type:	Matrix Spike Duplicate	**Lab ID:**	QC990092	**Batch:**	289246
Matrix (Source ID):	Water (462789-001)	**Method:**	EPA 351.2	**Prep Method:**	METHOD

QC990092 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.30	0.9230	12.50	mg/L	99%		90-110	0	20	2.5

Type:	Sample Duplicate	**Lab ID:**	QC988913	**Batch:**	289217
Matrix (Source ID):	Water (462570-001)	**Method:**	SM 2150B		

QC988913 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type:	Blank	**Lab ID:**	QC989195	**Batch:**	289317
Matrix:	Water	**Method:**	SM 4500-CL-G		

QC989195 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	05/12/22 12:02	05/12/22 12:02

Type:	Lab Control Sample	**Lab ID:**	QC989196	**Batch:**	289317
Matrix:	Water	**Method:**	SM 4500-CL-G		

QC989196 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.019	1.000	mg/L	102%		80-120

Type:	Sample Duplicate	**Lab ID:**	QC989197	**Batch:**	289317
Matrix (Source ID):	Water (462687-001)	**Method:**	SM 4500-CL-G		

QC989197 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	**Lab ID:** QC989445	**Batch:** 289405
Matrix (Source ID): Water (462570-001)	**Method:** SM 4500-H+ B	

QC989445 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.510	7.460	SU		1	20	1
Temperature	23.10	23.10	deg C		0	20	1

Type: Blank	**Lab ID:** QC989638	**Batch:** 289470
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC989638 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	05/16/22	05/16/22

Type: Lab Control Sample	**Lab ID:** QC989639	**Batch:** 289470
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC989639 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4010	0.4000	mg/L	100%		80-120

Type: Matrix Spike	**Lab ID:** QC989640	**Batch:** 289470
Matrix (Source ID): Water (462266-001)	**Method:** SM 4500-P-B5-E	

QC989640 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.165	0.2330	1.000	mg/L	93%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC989641	**Batch:** 289470
Matrix (Source ID): Water (462266-001)	**Method:** SM 4500-P-B5-E	

QC989641 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.165	0.2330	1.000	mg/L	93%		75-125	0	20	2.5

Type: Blank	**Lab ID:** QC988797	**Batch:** 289184
Matrix: Water	**Method:** SM 5310B	

QC988797 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	05/10/22	05/10/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC988798 **Batch:** 289184
Matrix: Water **Method:** SM 5310B

QC988798 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	10.44	10.00	mg/L	104%		80-120

Type: Matrix Spike **Lab ID:** QC988799 **Batch:** 289184
Matrix (Source ID): Water (462573-001) **Method:** SM 5310B

QC988799 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	37.43	ND	40.00	mg/L	93%		80-120	4

Type: Matrix Spike Duplicate **Lab ID:** QC988800 **Batch:** 289184
Matrix (Source ID): Water (462573-001) **Method:** SM 5310B

QC988800 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	37.43	ND	40.00	mg/L	93%		80-120	0	20	4

Type: Sample Duplicate **Lab ID:** QC988912 **Batch:** 289216
Matrix (Source ID): Water (462570-001) **Method:** SM2120B

QC988912 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate **Lab ID:** QC988911 **Batch:** 289215
Matrix (Source ID): Water (462570-001) **Method:** SM2130B

QC988911 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	4.090	4.150	NTU		1	20	1

Type: Blank **Lab ID:** QC989207 **Batch:** 289321
Matrix: Drinking Water **Method:** SM2540C **Prep Method:** METHOD

QC989207 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		05/12/22	05/13/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC989208	**Batch:** 289321
Matrix: Drinking Water	**Method:** SM2540C	**Prep Method:** METHOD

QC989208 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	364.0	342.0	mg/L	106%		90-110

Type: Sample Duplicate	**Lab ID:** QC989209	**Batch:** 289321
Matrix (Source ID): Water (462665-002)	**Method:** SM2540C	**Prep Method:** METHOD

QC989209 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	4,100	4050	mg/L		1	5	10

Type: Blank	**Lab ID:** QC989407	**Batch:** 289392
Matrix: Sea Water	**Method:** SM2540D	**Prep Method:** METHOD

QC989407 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		05/13/22	05/13/22

Type: Sample Duplicate	**Lab ID:** QC989408	**Batch:** 289392
Matrix (Source ID): Water (462612-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC989408 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	247.0	243.0	mg/L		2	5	10

Type: Blank	**Lab ID:** QC988921	**Batch:** 289228
Matrix: Sea Water	**Method:** SM5210B	**Prep Method:** METHOD

QC988921 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		05/11/22 12:04	05/16/22 09:59

Type: Lab Control Sample	**Lab ID:** QC988922	**Batch:** 289228
Matrix: Sea Water	**Method:** SM5210B	**Prep Method:** METHOD

QC988922 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	201.0	198.0	mg/L	102%		84.6-115.4

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC989167**
Matrix (Source ID):	**Water (462626-001)**	**Method:**	**SM5540C**

Batch: 289308

QC989167 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9570	ND	1.000	mg/L	93%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC989168**
Matrix (Source ID):	**Water (462626-001)**	**Method:**	**SM5540C**

Batch: 289308

QC989168 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9550	ND	1.000	mg/L	93%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC989169**
Matrix:	**Water**	**Method:**	**SM5540C**

Batch: 289308

QC989169 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	05/11/22 11:00	05/11/22 19:59

Type:	**Lab Control Sample**	**Lab ID:**	**QC989170**
Matrix:	**Water**	**Method:**	**SM5540C**

Batch: 289308

QC989170 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9950	1.000	mg/L	100%		80-120

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

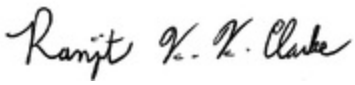
Lab Job Number: 462688
Report Level: II
Report Date: 05/20/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	462688
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	05/11/22

Sample ID	Lab ID	Collected	Matrix
MCWP-MW04D	462688-001	05/11/22 10:24	Water
MCWP-MW09	462688-002	05/11/22 12:40	Water
SMBRP-12	462688-003	05/11/22 12:20	Water

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 462688

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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	Quote #:	
Report To:	Kiernan Brtalik	Proj. Name:	Malibu – Quarterly
Email:		Proj. #:	
Address:	180 N. Ashwood, Ave.	P.O. #:	
	Ventura, CA 93003	Address:	
Phone:		Global ID:	
Fax:		Sampled By:	LANDON LUJAN

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: Total/fecal coliforms - SM 9223	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	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
1	MCWP-MW04D	5/11/22	1024	GW	11		X	X	X	X	X	X	X	X			3.4/2.1
2	MCWP-MW09	5/11/22	1240	GW	11		X	X	X	X	X	X	X	X			3.6/2.2
3	SMBRP-12	5/11/22	1220	GW	11		X	X	X	X	X	X	X	X			
4																	
5																	
6																	
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		LANDON LUJAN	RINCON / SCIENTIST	5/11/22 1305
1 Received By:		NICK O	EA	5-11-22 1305
2 Relinquished By:		NICK O	EA	5-11-22 1522
2 Received By:		Elizabeth Pomin	EA	5-11-22 15:22
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Ventura Project: Malibu

Date Received: 5/11/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? ~~4~~ 2 (5/11/22) ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: 3.6 #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: 2.1 #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

Sampling time for containers from Sample 1 labeled as 10:25

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: 5/11/22

ENTHALPY ANALYTICAL

Analysis Results for 462688

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 462688
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 05/11/22

Sample ID: MCWP-MW04D **Lab ID: 462688-001** **Collected: 05/11/22 10:24**
Matrix: Water

462688-001 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	289272	05/12/22	05/12/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.84**		mg/L	0.050	0.0080	1	289269	05/11/22	05/11/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**250**		mg/L	25	13	25	289390	05/12/22 16:00	05/13/22 14:31	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289251	05/11/22 12:10	05/12/22 07:49	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.03	1	289251	05/11/22 12:10	05/12/22 07:49	RKV
Sulfate	**560**		mg/L	25	6.3	25	289390	05/12/22 16:00	05/13/22 14:31	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.12	1	289631	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289291	05/11/22 18:25	05/11/22 18:25	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.48**	H	SU			1	289409	05/13/22 13:44	05/13/22 13:44	LVL
Temperature	**22.00**	H	deg C	1.00		1	289409	05/13/22 13:44	05/13/22 13:44	LVL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	289552	05/17/22	05/17/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.066**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462688

462688-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**2.9**		mg/L	1.0	0.18	1	289270	05/11/22	05/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289255	05/11/22 15:49	05/12/22 10:40	SMT
Coliform, Total	**12**		MPN/100ml	1.0		1	289255	05/11/22 15:49	05/12/22 10:40	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	289285	05/11/22 18:25	05/11/22 18:25	LVL
Method: SM2130B										
Turbidity	**0.10**		NTU	0.10	0.02	1	289309	05/12/22 11:19	05/12/22 11:19	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	289323	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.6**		mg/L	0.6		1.1	289485	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	289268	05/11/22 17:07	05/16/22 10:22	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	289376	05/11/22 16:20	05/11/22 16:20	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**1.5**		mg/L			1	289713	05/19/22	05/19/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462688

Sample ID: MCWP-MW09	Lab ID: 462688-002	Collected: 05/11/22 12:40
	Matrix: Water	

462688-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**5.1**	J	mg/L	5.6	1.6	1.1	289272	05/12/22	05/12/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.85**		mg/L	0.050	0.0080	1	289269	05/11/22	05/11/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**690**		mg/L	25	13	25	289390	05/12/22 16:00	05/13/22 14:48	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289251	05/11/22 13:00	05/12/22 08:06	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289251	05/11/22 13:00	05/12/22 08:06	RKV
Sulfate	**650**		mg/L	25	6.3	25	289390	05/12/22 16:00	05/13/22 14:48	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.1**		mg/L	0.40	0.12	1	289631	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.20**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289291	05/11/22 18:25	05/11/22 18:25	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.64**	H	SU			1	289409	05/13/22 13:44	05/13/22 13:44	LVL
Temperature	**22.90**	H	deg C	1.00		1	289409	05/13/22 13:44	05/13/22 13:44	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**1.9**		mg/L	0.10	0.045	1	289552	05/17/22	05/17/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.25**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 5310B										
Total Organic Carbon	**2.7**		mg/L	1.0	0.18	1	289270	05/11/22	05/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289255	05/11/22 15:49	05/12/22 10:40	SMT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462688

462688-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	289255	05/11/22 15:49	05/12/22 10:40	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	289285	05/11/22 18:25	05/11/22 18:25	LVL
Method: SM2130B										
Turbidity	**1.6**		NTU	0.10	0.02	1	289309	05/12/22 11:19	05/12/22 11:19	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,000**		mg/L	20		2	289323	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.8**		mg/L	0.6		1.1	289485	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	289268	05/11/22 17:08	05/16/22 10:22	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	289376	05/11/22 16:20	05/11/22 16:20	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**2.1**		mg/L			1	289713	05/19/22	05/19/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462688

Sample ID: SMBRP-12	Lab ID: 462688-003	Collected: 05/11/22 12:20
	Matrix: Water	

462688-003 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	289272	05/12/22	05/12/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.98**		mg/L	0.050	0.0080	1	289269	05/11/22	05/11/22	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**690**		mg/L	25	13	25	289390	05/12/22 16:00	05/13/22 15:05	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	289251	05/11/22 13:00	05/12/22 08:23	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	289251	05/11/22 13:00	05/12/22 08:23	RKV
Sulfate	**620**		mg/L	25	6.3	25	289390	05/12/22 16:00	05/13/22 15:05	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**5.1**		mg/L	0.40	0.12	1	289631	05/18/22	05/18/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**5.1**		mg/L			1	289714	05/19/22	05/19/22	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	289291	05/11/22 18:25	05/11/22 18:25	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	289317	05/12/22 12:02	05/12/22 12:02	WWC
Method: SM 4500-H+ B										
pH	**7.37**	H	SU			1	289409	05/13/22 13:44	05/13/22 13:44	LVL
Temperature	**22.80**	H	deg C	1.00		1	289409	05/13/22 13:44	05/13/22 13:44	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**4.6**		mg/L	0.50	0.22	5	289552	05/17/22	05/17/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.96**		mg/L	0.020	0.0054	1	289473	05/16/22	05/16/22	ATP
Method: SM 5310B										
Total Organic Carbon	**7.8**		mg/L	1.0	0.18	1	289270	05/11/22	05/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	289255	05/11/22 15:49	05/12/22 10:40	SMT

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 462688

462688-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**1.0**		MPN/100ml	1.0		1	289255	05/11/22 15:49	05/12/22 10:40	SMT
Method: SM2120B										
Color	ND		ColorUnits	5		1	289285	05/11/22 18:25	05/11/22 18:25	LVL
Method: SM2130B										
Turbidity	**9.4**		NTU	0.10	0.02	1	289309	05/12/22 11:19	05/12/22 11:19	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,500**		mg/L	20		2	289323	05/12/22	05/13/22	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.7**		mg/L	0.6		1.1	289485	05/13/22	05/13/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	289268	05/11/22 17:09	05/16/22 10:22	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.10**		mg/L	0.040	0.027	1	289376	05/11/22 16:20	05/11/22 16:20	LVL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.50**		mg/L			1	289713	05/19/22	05/19/22	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:** QC989036	**Batch:** 289272
Matrix: Sea Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC989036 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	05/12/22	05/12/22

Type: Lab Control Sample	**Lab ID:** QC989037	**Batch:** 289272
Matrix: Sea Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC989037 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:** QC989038	**Batch:** 289272
Matrix: Sea Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC989038 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.50	40.00	mg/L	94%		78-114	3	18

Type: Blank	**Lab ID:** QC989024	**Batch:** 289269
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC989024 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	0.014	J	mg/L	0.050	0.0080	05/11/22	05/11/22

Type: Lab Control Sample	**Lab ID:** QC989025	**Batch:** 289269
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC989025 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4139	0.4000	mg/L	103%		85-115

Type: Matrix Spike	**Lab ID:** QC989026	**Batch:** 289269
Matrix (Source ID): Water (462688-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC989026 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.298	0.8418	0.4000	mg/L	114%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC989027	Batch:	289269
Matrix (Source ID):	Water (462688-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC989027 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.262	0.8418	0.4000	mg/L	105%		75-125	3	20	1

Type:	Blank	Lab ID:	QC988987	Batch:	289251
Matrix:	Drinking Water	Method:	EPA 300.0	Prep Method:	METHOD

QC988987 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	05/11/22 12:10	05/11/22 21:08
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	05/11/22 12:10	05/11/22 21:08

Type:	Lab Control Sample	Lab ID:	QC988988	Batch:	289251
Matrix:	Drinking Water	Method:	EPA 300.0	Prep Method:	METHOD

QC988988 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	2.468	2.283	mg/L	108%		90-110
Nitrogen, Nitrate	2.362	2.259	mg/L	105%		90-110

Type:	Matrix Spike	Lab ID:	QC988989	Batch:	289251
Matrix (Source ID):	Drinking Water (462681-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC988989 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.661	0.02576	1.827	mg/L	90%		80-120	1
Nitrogen, Nitrate	2.101	ND	1.807	mg/L	116%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC988990	Batch:	289251
Matrix (Source ID):	Drinking Water (462681-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC988990 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.665	0.02576	1.827	mg/L	90%		80-120	0	20	1
Nitrogen, Nitrate	2.089	ND	1.807	mg/L	116%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC988991**	**Batch:**	**289251**
Matrix (Source ID):	**Drinking Water (462692-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988991 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.705	0.02408	1.827	mg/L	92%		80-120	1
Nitrogen, Nitrate	2.056	ND	1.807	mg/L	114%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC988992**	**Batch:**	**289251**
Matrix (Source ID):	**Drinking Water (462692-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC988992 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.708	0.02408	1.827	mg/L	92%		80-120	0	20	1
Nitrogen, Nitrate	2.072	ND	1.807	mg/L	115%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC989395**	**Batch:**	**289390**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC989395 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	0.64	J	mg/L	1.0	0.50	05/12/22 16:00	05/13/22 00:50
Sulfate	ND		mg/L	1.0	0.25	05/12/22 16:00	05/13/22 00:50

Type:	**Lab Control Sample**	**Lab ID:**	**QC989396**	**Batch:**	**289390**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC989396 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	25.93	25.00	mg/L	104%		90-110
Sulfate	13.25	12.50	mg/L	106%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC989400**	**Batch:**	**289390**
Matrix (Source ID):	**Drinking Water (462780-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC989400 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	56.77	27.21	30.00	mg/L	99%		80-120	1
Sulfate	22.41	4.167	15.00	mg/L	122%	*	80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC989401**	**Batch:**	**289390**
Matrix (Source ID):	**Drinking Water (462780-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC989401 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	62.40	27.21	30.00	mg/L	117%		80-120	9	20	1
Sulfate	27.71	4.167	15.00	mg/L	157%	*	80-120	21*	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC989402**	**Batch:**	**289390**
Matrix (Source ID):	**Drinking Water (462692-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC989402 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	115.9	91.22	20.00	mg/L	123%	NM	80-120	5
Sulfate	26.45	15.33	10.00	mg/L	111%		80-120	5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC989403**	**Batch:**	**289390**
Matrix (Source ID):	**Drinking Water (462692-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC989403 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	120.4	91.22	20.00	mg/L	146%	NM	80-120	4	20	5
Sulfate	27.47	15.33	10.00	mg/L	121%	*	80-120	4	20	5

Type:	**Blank**	**Lab ID:**	**QC990077**	**Batch:**	**289631**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC990077 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	05/18/22	05/18/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC990078**	**Batch:**	**289631**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC990078 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.614	2.500	mg/L	105%		90-110

Type:	**Blank**	**Lab ID:**	**QC990079**	**Batch:**	**289631**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC990079 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	05/18/22	05/18/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC990080	Batch: 289631
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC990080 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.670	2.500	mg/L	107%		90-110

Type: Matrix Spike	Lab ID: QC990081	Batch: 289631
Matrix (Source ID): Water (462688-002)	Method: EPA 351.2	Prep Method: METHOD

QC990081 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.28	2.063	12.50	mg/L	106%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC990082	Batch: 289631
Matrix (Source ID): Water (462688-002)	Method: EPA 351.2	Prep Method: METHOD

QC990082 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.47	2.063	12.50	mg/L	107%		90-110	1	20	2.5

Type: Matrix Spike	Lab ID: QC990083	Batch: 289631
Matrix (Source ID): Water (462841-002)	Method: EPA 351.2	Prep Method: METHOD

QC990083 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	14.02	1.185	12.50	mg/L	103%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC990084	Batch: 289631
Matrix (Source ID): Water (462841-002)	Method: EPA 351.2	Prep Method: METHOD

QC990084 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.81	1.185	12.50	mg/L	109%		90-110	5	20	2.5

Type: Sample Duplicate	Lab ID: QC989097	Batch: 289291
Matrix (Source ID): Water (462688-003)	Method: SM 2150B	

QC989097 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC989195 **Batch:** 289317
Matrix: Water **Method:** SM 4500-CL-G

QC989195 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	05/12/22 12:02	05/12/22 12:02

Type: Lab Control Sample **Lab ID:** QC989196 **Batch:** 289317
Matrix: Water **Method:** SM 4500-CL-G

QC989196 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.019	1.000	mg/L	102%		80-120

Type: Sample Duplicate **Lab ID:** QC989197 **Batch:** 289317
Matrix (Source ID): Water (462687-001) **Method:** SM 4500-CL-G

QC989197 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Sample Duplicate **Lab ID:** QC989449 **Batch:** 289409
Matrix (Source ID): Water (462632-001) **Method:** SM 4500-H+ B

QC989449 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.040	7.010	SU		0	20	1
Temperature	23.50	23.40	deg C		0	20	1

Type: Blank **Lab ID:** QC989875 **Batch:** 289552
Matrix: Water **Method:** SM 4500-NH3-G

QC989875 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	05/17/22	05/17/22

Type: Lab Control Sample **Lab ID:** QC989876 **Batch:** 289552
Matrix: Water **Method:** SM 4500-NH3-G

QC989876 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.433	2.500	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC989877**
Matrix (Source ID):	**Water (462789-001)**	**Method:**	**SM 4500-NH3-G**

Batch: 289552

QC989877 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.640	ND	2.500	mg/L	106%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC989878**
Matrix (Source ID):	**Water (462789-001)**	**Method:**	**SM 4500-NH3-G**

Batch: 289552

QC989878 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.626	ND	2.500	mg/L	105%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC989656**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**

Batch: 289473

QC989656 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	05/16/22	05/16/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC989657**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**

Batch: 289473

QC989657 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3890	0.4000	mg/L	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC989658**
Matrix (Source ID):	**Water (462570-001)**	**Method:**	**SM 4500-P-B5-E**

Batch: 289473

QC989658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.065	0.06000	1.000	mg/L	101%		75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC989659**
Matrix (Source ID):	**Water (462570-001)**	**Method:**	**SM 4500-P-B5-E**

Batch: 289473

QC989659 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.070	0.06000	1.000	mg/L	101%		75-125	0	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC989029** **Batch: 289270**
Matrix: Sea Water **Method: SM 5310B**

QC989029 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	0.30	0.18	05/11/22	05/11/22

Type: Lab Control Sample **Lab ID: QC989030** **Batch: 289270**
Matrix: Sea Water **Method: SM 5310B**

QC989030 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.954	10.00	mg/L	100%		80-120

Type: Matrix Spike **Lab ID: QC989031** **Batch: 289270**
Matrix (Source ID): Water (462644-002) **Method: SM 5310B**

QC989031 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	45.18	4.592	40.00	mg/L	101%		80-120	4

Type: Matrix Spike Duplicate **Lab ID: QC989032** **Batch: 289270**
Matrix (Source ID): Water (462644-002) **Method: SM 5310B**

QC989032 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	44.10	4.592	40.00	mg/L	99%		80-120	2	20	4

Type: Sample Duplicate **Lab ID: QC989092** **Batch: 289285**
Matrix (Source ID): Drinking Water (462682-001) **Method: SM2120B**

QC989092 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate **Lab ID: QC989171** **Batch: 289309**
Matrix (Source ID): Drinking Water (462682-001) **Method: SM2130B**

QC989171 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	ND	ND	NTU		10	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC989213	**Batch:** 289323
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC989213 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		05/12/22	05/13/22

Type: Lab Control Sample	**Lab ID:** QC989214	**Batch:** 289323
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC989214 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	360.0	342.0	mg/L	105%		90-110

Type: Sample Duplicate	**Lab ID:** QC989215	**Batch:** 289323
Matrix (Source ID): Water (462688-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC989215 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,444	1436	mg/L		1	5	2

Type: Blank	**Lab ID:** QC989682	**Batch:** 289485
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC989682 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		05/13/22	05/13/22

Type: Sample Duplicate	**Lab ID:** QC989683	**Batch:** 289485
Matrix (Source ID): Water (462666-001)	**Method:** SM2540D	**Prep Method:** METHOD

QC989683 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	296.0	298.0	mg/L		1	5	20

Type: Blank	**Lab ID:** QC989022	**Batch:** 289268
Matrix: Sea Water	**Method:** SM5210B	**Prep Method:** METHOD

QC989022 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		05/11/22 10:22	05/16/22 10:22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC989023	**Batch:** 289268
Matrix: Sea Water	**Method:** SM5210B	**Prep Method:** METHOD

QC989023 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	205.0	198.0	mg/L	104%		84.6-115.4

Type: Matrix Spike	**Lab ID:** QC989365	**Batch:** 289376
Matrix (Source ID): Water (462688-001)	**Method:** SM5540C	

QC989365 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.8080	ND	1.000	mg/L	79%	*	80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC989366	**Batch:** 289376
Matrix (Source ID): Water (462688-001)	**Method:** SM5540C	

QC989366 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.8070	ND	1.000	mg/L	79%	*	80-120	0	20	1

Type: Lab Control Sample	**Lab ID:** QC989367	**Batch:** 289376
Matrix: Drinking Water	**Method:** SM5540C	

QC989367 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9100	1.000	mg/L	91%		80-120

Type: Blank	**Lab ID:** QC989368	**Batch:** 289376
Matrix: Drinking Water	**Method:** SM5540C	

QC989368 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	05/11/22 16:20	05/11/22 16:20

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

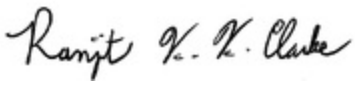
Lab Job Number: 466631
Report Level: II
Report Date: 10/10/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466631
Project No:	MALIBU
Location:	Annual
Date Received:	08/02/22

Sample ID	Lab ID	Collected	Matrix
MCWP-MW04S	466631-001	08/02/22 13:00	Water
MCWP-MW07S	466631-002	08/02/22 11:30	Water
MCWP-MW07D	466631-003	08/02/22 11:35	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 466631 Project No: MALIBU Location: Annual Date Received: 08/02/22

This data package contains sample and QC results for three water samples, requested for the above referenced project on 08/02/22. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low response was observed for 2-chloroethylvinylether in the calibration analyzed 07/26/22 06:41; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- Low response was observed for 2-chloroethylvinylether in the CCV/LCS analyzed 08/11/22 22:50; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- Low recovery was observed for 1,1-dichloroethene in the BSD for batch 294490; the low recovery was not associated with any reported results. High RPD was also observed for 1,1-dichloroethene in the BS/BSD for batch 294490; the high RPD was not associated with any reported results.
- 466631-001 and 466631-003 were analyzed outside of hold time; affected data was qualified with "H".
- MCWP-MW04S (lab # 466631-001) and MCWP-MW07D (lab # 466631-003) had pH greater than 2.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 524.2):

- 1,2,4-trichlorobenzene was detected between the MDL and the RL in the method blank for batch 294335; this analyte was not detected in samples at or above the RL.
- 466631-001 and 466631-003 were analyzed outside of hold time; affected data was qualified with "H".
- MCWP-MW04S (lab # 466631-001) and MCWP-MW07D (lab # 466631-003) had pH greater than 2.
- No other analytical problems were encountered.

Metals (CALCULATION):

No analytical problems were encountered.

Metals (EPA 200.7, EPA 200.8, EPA 245.1, and EPA 245.1):

- High recoveries were observed for calcium and magnesium in the MS/MSD for batch 294311; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- Low recoveries were observed for nitrogen, nitrite in the MS/MSD of SMBRP-13 (lab # 466647-001); the associated RPD was within limits.
- Chloride was detected between the MDL and the RL in the method blank for batch 294193; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Perchlorate by Ion Chromatography (EPA 314.0):

No analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Fluoride by ISE (SM 4500-F-C):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Cyanide, Manual Colorimetric (SM 4500-CN-E):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

CCPP (SM 2330B):
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.

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):

- MBAS are calculated and reported as Linear Anionic Surfactants with a molecular weight of 348 g/mol.
- 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.

EPA 100.2 Asbestos (EPA 100.2 Asbestos):
SGS Forensic in Hayward, CA performed the analysis (see sublab report section for certifications). Please see the SGS Forensic case narrative.

EPA 1613B - 2,3,7,8-TCDD only (EPA 1613B):
Enthalpy - Wilmington in Wilmington, NC performed the analysis (see sublab report section for certifications). Please see the Enthalpy - Wilmington case narrative.

EPA 508 Chlorinated Pesticides (EPA 508):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 525.2 Semi-Volatile Organics (EPA 525.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 547 Glyphosate (EPA 547):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 548.1 Endothall (EPA 548.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 549.2 Diquat (EPA 549.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 900.0 Gross Alpha and Beta (EPA 900.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 903.1 Radium-226 (EPA 903.1):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 904.0 Radium-228 (EPA 904.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 906.0 Tritium (EPA 906.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 905.0 Strontium-90 (EPA 905.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

Chlorinated Acids in Drinking Water (EPA 515.4):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 525.3 Pesticides - SUB (EPA 552.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 908.1 Uranium in Water - OUT (EPA 908.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 1625 Isotope Dilution (EPA 1625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

Bromate EPA 300.1 -OUT (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 1664A Total O&G - OUT (EPA 1664A):
Eurofins Southwest in Tustin, CA performed the analysis (see sublab report section for certifications). Please see the Eurofins Southwest case narrative.

EPA 1694 Pharma, PCP by HPLC/MS/MS (EPA 1694):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 218.6 Hexavalent Chromium by IC (EPA 218.6):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 300.1 Chlorite by IC (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 524.3 (EPA 524.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 531.2 (EPA 531.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 625.1 (EPA 625.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

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: 22[illegible] 4/16/22	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:	20-09665
Email:	KBrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	Malibu CC
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	LL, JB, KC

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 625 LL SVOCs	EPA 524.2 VOCs (inc. 2-CEVE, A/A)	Test Instructions / Comments
[redacted]						X	X	X	X	X	X	X	X	X	X	JB 8.2
[redacted]						X	X	X	X	X	X	X	X	X	X	JB 8.2
MCWP-MW04S	8.2.22	1300	GW	53	✓	X	X	X	X	X	X	X	X	X	X	
[redacted]						X	X	X	X	X	X	X	X	X	X	JB 8.2
MCWP-MW07S	8.2.22	1130	GW	53	✓	X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D	8.2.22	1135	GW	53	✓	X	X	X	X	X	X	X	X	X	X	
[redacted]						X	X	X	X	X	X	X	X	X	X	JB 8.2

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Bridgen	Rincon	8.2 / 1457
[1] Received By:		Gerardo Gawat	EA	8.2.22 1457
[2] Relinquished By:		Gerardo Gawat	EA	8.2.22. 1731
[2] Received By:		G Kim	GA	8/2/22 1731
[3] Relinquished By:				

7.9 / 3.7

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: 466631		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:	20-09665
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 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, EPA 904.0 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
[redacted]																8.2 JD
[redacted]						x	x	x								8.2 JD
MCWP-MW04S	8-2-22	1300	GW	53	—	x	x	x	x	x	x	x	x	x	x	
[redacted]						x	x	x								8.2 JD
MCWP-MW07S	8-2-22	1130	GW	53	✓	x	x	x	x	x	x	x	x	x	x	
MCWP-MW07D	8-2-22	1135	GW	53	✓	x	x	x	x	x	x	x	x	x	x	
[redacted]																8.2 JD

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Bridgin	Rincon	8-2-22 / 1457
[1] Received By:		Gerardo Gawat	EA	8.2.22 / 1457
[2] Relinquished By:		GGawat	EA	8.2.22 1731
[2] Received By:		G Lim	EA	8/2/22 1731
[3] Relinquished By:				

7.9 / 3.7

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 466631	Standard: X | 4 Day: | 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 3 of 3	2 Day: | 1 Day: | Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

ENTHALPY analytical, inc.

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	20-09665
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 508 Pest/PCBs	Analysis Request	Test Instructions / Comments
[redacted]								30 8.2	
[redacted]								30 8.3	
MCWP-MW04S	8.2.22	1300	GW	53	✓	X	X		
[redacted]								30 8.2	
MCWP-MW07S	8.2.22	1130	GW	53	✓	X	X		
MCWP-MW07D	8.2.22	1135	GW	53	✓	X	X		
[redacted]								33.8.2	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Bridge	Rincon	8.2.22 / 1457
[1] Received By:		Gerardo Gawat	EA	8.2.22 / 1457
[2] Relinquished By:		Gerardo Gawat	EA	8.2.22 1731
[2] Received By:		Glen	EA	8/2/22 1731
[3] Relinquished By:				

7.9 / 3.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Annual

Date Received: 8/2/22 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: 7.9 #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: 3.7 #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: 8/2/22

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 466631

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466631
Project No: MALIBU
Location: Annual
Date Received: 08/02/22

Sample ID: MCWP-MW04S **Lab ID: 466631-001** **Collected: 08/02/22 13:00**
Matrix: Water

466631-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	**1.8**		ug/L	1.0		1	294340	08/04/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.5**		mg/L	0.050	0.0080	1	294311	08/04/22	08/05/22	SBW
Calcium	**370**		mg/L	0.10	0.021	1	294311	08/04/22	08/05/22	SBW
Iron	**0.48**		mg/L	0.020	0.0066	1	294311	08/04/22	08/05/22	SBW
Magnesium	**200**		mg/L	0.10	0.049	1	294311	08/04/22	08/05/22	SBW
Manganese	**0.24**		mg/L	0.010	0.00061	1	294311	08/04/22	08/05/22	SBW
Potassium	**0.49**	J	mg/L	0.50	0.18	1	294311	08/04/22	08/05/22	SBW
Sodium	**770**		mg/L	0.50	0.035	1	294311	08/04/22	08/05/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**290**		ug/L	26	26	1	294340	08/04/22	08/04/22	THP
Antimony	**0.87**		ug/L	0.50	0.042	1	294340	08/04/22	08/04/22	THP
Arsenic	**11**		ug/L	2.0	0.29	1	294340	08/04/22	08/04/22	THP
Barium	**23**		ug/L	5.0	0.13	1	294340	08/04/22	08/04/22	THP
Beryllium	ND		ug/L	0.50	0.053	1	294340	08/04/22	08/04/22	THP
Cadmium	**0.24**		ug/L	0.20	0.073	1	294340	08/04/22	08/04/22	THP
Chromium	**1.8**		ug/L	1.0	0.25	1	294340	08/04/22	08/04/22	THP
Copper	**7.4**		ug/L	0.50	0.28	1	294340	08/04/22	08/04/22	THP
Lead	**0.26**	J	ug/L	0.50	0.073	1	294340	08/04/22	08/04/22	THP
Nickel	**8.9**		ug/L	1.0	0.15	1	294340	08/04/22	08/04/22	THP
Selenium	**71**		ug/L	2.0	1.0	1	294340	08/04/22	08/04/22	THP
Silver	ND		ug/L	0.20	0.057	1	294340	08/04/22	08/04/22	THP
Thallium	ND		ug/L	1.0	0.029	1	294340	08/04/22	08/04/22	THP
Zinc	**5.4**	J	ug/L	10	1.1	1	294340	08/04/22	08/04/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294448	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.49**		mg/L	0.20	0.081	1	294193	08/02/22 19:16	08/03/22 06:01	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Chloride	**450**		mg/L	10	5.0	10	294193	08/02/22 19:16	08/03/22 07:26	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	294193	08/02/22 19:16	08/03/22 06:01	RKV
Nitrogen, Nitrate	**0.76**		mg/L	0.10	0.03	1	294193	08/02/22 19:16	08/03/22 06:01	RKV
Sulfate	**2,500**		mg/L	200	50	200	294486	08/05/22 17:25	08/05/22 23:06	RKV
Nitrogen, Nitrate/Nitrite	**0.76**		mg/L	0.10		1	294193	08/02/22 19:16	08/03/22 06:01	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.78	1	294254	08/03/22	08/03/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND	H	ug/L	0.50	0.10	1	294921	08/12/22	08/12/22	ILK
Benzene	ND	H	ug/L	0.50	0.081	1	294921	08/12/22	08/12/22	ILK
Trichloroethene	ND	H	ug/L	0.50	0.13	1	294921	08/12/22	08/12/22	ILK
Toluene	ND	H	ug/L	0.50	0.10	1	294921	08/12/22	08/12/22	ILK
Chlorobenzene	ND	H	ug/L	0.50	0.13	1	294921	08/12/22	08/12/22	ILK
Chloromethane	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Vinyl Chloride	ND	H	ug/L	0.50	0.12	1	294335	08/04/22	08/04/22	ILK
Bromomethane	ND	H	ug/L	1.0	0.17	1	294335	08/04/22	08/04/22	ILK
Chloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK
Trichlorofluoromethane	ND	H	ug/L	0.50	0.15	1	294335	08/04/22	08/04/22	ILK
Freon 113	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Methylene Chloride	ND	H	ug/L	0.50	0.36	1	294335	08/04/22	08/04/22	ILK
MTBE	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,1-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Chloroform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,1-Trichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Carbon Tetrachloride	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloropropane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromodichloromethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,3-Dichloropropene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,3-Dichloropropene	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
1,1,2-Trichloroethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Tetrachloroethene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Dibromochloromethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Ethylbenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
m,p-Xylenes	ND	H	ug/L	1.0	0.10	1	294335	08/04/22	08/04/22	ILK
Styrene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromoform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,2,2-Tetrachloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,4-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2,4-Trichlorobenzene	ND	H	ug/L	0.50	0.11	1	294335	08/04/22	08/04/22	ILK
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	H,b	ug/L	50	0.6	1	294921	08/12/22	08/12/22	ILK
Acrolein	ND	H	ug/L	200	1.1	1	294921	08/12/22	08/12/22	ILK
Acrylonitrile	ND	H	ug/L	10	0.1	1	294921	08/12/22	08/12/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	104%	H	%REC	70-140	1.8	1	294921	08/12/22	08/12/22	ILK
1,2-Dichloroethane-d4	104%	H	%REC	70-140	9.2	1	294921	08/12/22	08/12/22	ILK
Toluene-d8	98%	H	%REC	70-140	3.9	1	294921	08/12/22	08/12/22	ILK
Bromofluorobenzene	99%	H	%REC	70-140		1	294921	08/12/22	08/12/22	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	294230	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM 2330B										
CCPP	**1.1**		SU			1	295203	08/17/22	08/17/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.23**	H	mg/L	0.10	0.026	1	294355	08/02/22 19:47	08/02/22 19:47	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	294384	08/04/22	08/04/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.72**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.62**	H	SU			1	294233	08/02/22 18:49	08/02/22 18:49	LVL
Temperature	**16.10**	H	deg C	1.00		1	294233	08/02/22 18:49	08/02/22 18:49	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**0.054**	J	mg/L	0.10	0.045	1	294677	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.73**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.39**		mg/L	0.020	0.0054	1	294380	08/04/22	08/04/22	ATP
Method: SM 5310B										
Total Organic Carbon	**16**		mg/L	1.0	0.23	1	294265	08/02/22	08/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	**1,300**		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2120B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Color	**40**		ColorUnits	5		1	294229	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.02	1	294228	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**670**		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Carbonate	ND		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Hydroxide	ND		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Alkalinity, Total as CaCO3	**550**		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,900**		mg/L	20		2	294477	08/04/22	08/05/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**8.9**		mg/L	0.6		1.1	294565	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**18**		mg/L	3.0		1	294244	08/03/22 11:56	08/08/22 11:35	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.10**		mg/L	0.040	0.029	1	294271	08/03/22 12:45	08/03/22 16:34	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

Sample ID: MCWP-MW07S	Lab ID: 466631-002	Collected: 08/02/22 11:30
	Matrix: Water	

466631-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	**2.5**		ug/L	1.0		1	294340	08/04/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.36**		mg/L	0.050	0.0080	1	294311	08/04/22	08/05/22	SBW
Calcium	**93**		mg/L	0.10	0.021	1	294311	08/04/22	08/05/22	SBW
Iron	**0.69**		mg/L	0.020	0.0066	1	294311	08/04/22	08/05/22	SBW
Magnesium	**88**		mg/L	0.10	0.049	1	294311	08/04/22	08/05/22	SBW
Manganese	**0.13**		mg/L	0.010	0.00061	1	294311	08/04/22	08/05/22	SBW
Potassium	**2.5**		mg/L	0.50	0.18	1	294311	08/04/22	08/05/22	SBW
Sodium	**210**		mg/L	0.50	0.035	1	294311	08/04/22	08/05/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**660**		ug/L	26	26	1	294340	08/04/22	08/04/22	THP
Antimony	**0.26**	J	ug/L	0.50	0.042	1	294340	08/04/22	08/04/22	THP
Arsenic	**5.0**		ug/L	2.0	0.29	1	294340	08/04/22	08/04/22	THP
Barium	**58**		ug/L	5.0	0.13	1	294340	08/04/22	08/04/22	THP
Beryllium	ND		ug/L	0.50	0.053	1	294340	08/04/22	08/04/22	THP
Cadmium	**0.073**	J	ug/L	0.20	0.073	1	294340	08/04/22	08/04/22	THP
Chromium	**2.9**		ug/L	1.0	0.25	1	294340	08/04/22	08/04/22	THP
Copper	**1.9**		ug/L	0.50	0.28	1	294340	08/04/22	08/04/22	THP
Lead	**0.29**	J	ug/L	0.50	0.073	1	294340	08/04/22	08/04/22	THP
Nickel	**8.7**		ug/L	1.0	0.15	1	294340	08/04/22	08/04/22	THP
Selenium	**1.0**	J	ug/L	2.0	1.0	1	294340	08/04/22	08/04/22	THP
Silver	ND		ug/L	0.20	0.057	1	294340	08/04/22	08/04/22	THP
Thallium	ND		ug/L	1.0	0.029	1	294340	08/04/22	08/04/22	THP
Zinc	**2.8**	J	ug/L	10	1.1	1	294340	08/04/22	08/04/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294448	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.37**		mg/L	0.20	0.081	1	294193	08/02/22 19:16	08/03/22 06:18	RKV
Chloride	**230**		mg/L	10	5.0	10	294193	08/02/22 19:16	08/03/22 07:43	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	294193	08/02/22 19:16	08/03/22 06:18	RKV
Nitrogen, Nitrate	**4.1**		mg/L	0.10	0.03	1	294193	08/02/22 19:16	08/03/22 06:18	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**260**		mg/L	10	2.5	10	294193	08/02/22 19:16	08/03/22 07:43	RKV
Nitrogen, Nitrate/Nitrite	**4.1**		mg/L	0.10		1	294193	08/02/22 19:16	08/03/22 06:18	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.78	1	294254	08/03/22	08/03/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND		ug/L	0.50	0.10	1	294921	08/12/22	08/12/22	ILK
Benzene	ND		ug/L	0.50	0.081	1	294921	08/12/22	08/12/22	ILK
Trichloroethene	ND		ug/L	0.50	0.13	1	294921	08/12/22	08/12/22	ILK
Toluene	ND		ug/L	0.50	0.10	1	294921	08/12/22	08/12/22	ILK
Chlorobenzene	ND		ug/L	0.50	0.13	1	294921	08/12/22	08/12/22	ILK
Chloromethane	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Vinyl Chloride	ND		ug/L	0.50	0.12	1	294335	08/05/22	08/05/22	ILK
Bromomethane	ND		ug/L	1.0	0.17	1	294335	08/05/22	08/05/22	ILK
Chloroethane	ND		ug/L	0.50	0.16	1	294335	08/05/22	08/05/22	ILK
Trichlorofluoromethane	ND		ug/L	0.50	0.15	1	294335	08/05/22	08/05/22	ILK
Freon 113	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Methylene Chloride	ND		ug/L	0.50	0.36	1	294335	08/05/22	08/05/22	ILK
MTBE	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
1,1-Dichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
cis-1,2-Dichloroethene	**0.35**	J	ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Chloroform	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,1,1-Trichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Carbon Tetrachloride	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
1,2-Dichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2-Dichloropropane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Bromodichloromethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
1,1,2-Trichloroethane	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Tetrachloroethene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Dibromochloromethane	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Ethylbenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
m,p-Xylenes	ND		ug/L	1.0	0.10	1	294335	08/05/22	08/05/22	ILK
Styrene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Bromoform	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	1	294335	08/05/22	08/05/22	ILK
1,3-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,4-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.11	1	294335	08/05/22	08/05/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	b	ug/L	50	0.6	1	294921	08/12/22	08/12/22	ILK
Acrolein	ND		ug/L	200	1.1	1	294921	08/12/22	08/12/22	ILK
Acrylonitrile	ND		ug/L	10	0.1	1	294921	08/12/22	08/12/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	103%		%REC	70-140	1.8	1	294921	08/12/22	08/12/22	ILK
1,2-Dichloroethane-d4	99%		%REC	70-140	9.2	1	294921	08/12/22	08/12/22	ILK
Toluene-d8	100%		%REC	70-140	3.9	1	294921	08/12/22	08/12/22	ILK
Bromofluorobenzene	100%		%REC	70-140		1	294921	08/12/22	08/12/22	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	294230	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM 2330B										
CCPP	**0.34**		SU			1	295203	08/17/22	08/17/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.091**	H,J	mg/L	0.10	0.026	1	294355	08/02/22 19:47	08/02/22 19:47	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	294384	08/04/22	08/04/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.44**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.50**	H	SU			1	294233	08/02/22 18:49	08/02/22 18:49	LVL
Temperature	**12.50**	H	deg C	1.00		1	294233	08/02/22 18:49	08/02/22 18:49	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**0.21**		mg/L	0.10	0.045	1	294677	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.32**	J	mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.28**		mg/L	0.020	0.0054	1	294380	08/04/22	08/04/22	ATP
Method: SM 5310B										
Total Organic Carbon	**6.7**		mg/L	1.0	0.23	1	294265	08/02/22	08/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	**29**		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2120B										
Color	**20**		ColorUnits	5		1	294229	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM2130B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Turbidity	**16**		NTU	0.10	0.02	1	294228	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**470**		mg/L	25		5	294591	08/05/22	08/05/22	ATP
Carbonate	ND		mg/L	25		5	294591	08/05/22	08/05/22	ATP
Hydroxide	ND		mg/L	25		5	294591	08/05/22	08/05/22	ATP
Alkalinity, Total as CaCO3	**390**		mg/L	25		5	294591	08/05/22	08/05/22	ATP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	294477	08/04/22	08/05/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**30**		mg/L	1.0		2	294565	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**19**		mg/L	3.0		1	294244	08/03/22 11:58	08/08/22 11:35	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	294271	08/03/22 12:45	08/03/22 16:34	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

Sample ID: MCWP-MW07D	Lab ID: 466631-003	Collected: 08/02/22 11:35
	Matrix: Water	

466631-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	294340	08/04/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.42**		mg/L	0.050	0.0080	1	294311	08/04/22	08/05/22	SBW
Calcium	**76**		mg/L	0.10	0.021	1	294311	08/04/22	08/05/22	SBW
Iron	**0.010**	J	mg/L	0.020	0.0066	1	294311	08/04/22	08/05/22	SBW
Magnesium	**51**		mg/L	0.10	0.049	1	294311	08/04/22	08/05/22	SBW
Manganese	**0.17**		mg/L	0.010	0.00061	1	294311	08/04/22	08/05/22	SBW
Potassium	**1.3**		mg/L	0.50	0.18	1	294311	08/04/22	08/05/22	SBW
Sodium	**200**		mg/L	0.50	0.035	1	294311	08/04/22	08/05/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	ND		ug/L	26	26	1	294340	08/04/22	08/04/22	THP
Antimony	**0.059**	J	ug/L	0.50	0.042	1	294340	08/04/22	08/04/22	THP
Arsenic	**2.3**		ug/L	2.0	0.29	1	294340	08/04/22	08/05/22	THP
Barium	**29**		ug/L	5.0	0.13	1	294340	08/04/22	08/04/22	THP
Beryllium	ND		ug/L	0.50	0.053	1	294340	08/04/22	08/04/22	THP
Cadmium	**0.20**		ug/L	0.20	0.073	1	294340	08/04/22	08/04/22	THP
Chromium	**0.41**	J	ug/L	1.0	0.25	1	294340	08/04/22	08/04/22	THP
Copper	**0.86**		ug/L	0.50	0.28	1	294340	08/04/22	08/04/22	THP
Lead	ND		ug/L	0.50	0.073	1	294340	08/04/22	08/04/22	THP
Nickel	**4.3**		ug/L	1.0	0.15	1	294340	08/04/22	08/04/22	THP
Selenium	ND		ug/L	2.0	1.0	1	294340	08/04/22	08/04/22	THP
Silver	ND		ug/L	0.20	0.057	1	294340	08/04/22	08/04/22	THP
Thallium	ND		ug/L	1.0	0.029	1	294340	08/04/22	08/04/22	THP
Zinc	ND		ug/L	10	1.1	1	294340	08/04/22	08/04/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294448	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.57**		mg/L	0.20	0.081	1	294193	08/02/22 19:16	08/03/22 06:35	RKV
Chloride	**240**		mg/L	10	5.0	10	294193	08/02/22 19:16	08/03/22 07:59	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	294193	08/02/22 19:16	08/03/22 06:35	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	294193	08/02/22 19:16	08/03/22 06:35	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**260**		mg/L	10	2.5	10	294193	08/02/22 19:16	08/03/22 07:59	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	294193	08/02/22 19:16	08/03/22 06:35	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.78	1	294254	08/03/22	08/03/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND	H	ug/L	0.50	0.10	1	294921	08/12/22	08/12/22	ILK
Benzene	ND	H	ug/L	0.50	0.081	1	294921	08/12/22	08/12/22	ILK
Trichloroethene	ND	H	ug/L	0.50	0.13	1	294921	08/12/22	08/12/22	ILK
Toluene	ND	H	ug/L	0.50	0.10	1	294921	08/12/22	08/12/22	ILK
Chlorobenzene	ND	H	ug/L	0.50	0.13	1	294921	08/12/22	08/12/22	ILK
Chloromethane	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Vinyl Chloride	ND		ug/L	0.50	0.12	1	294335	08/05/22	08/05/22	ILK
Bromomethane	ND		ug/L	1.0	0.17	1	294335	08/05/22	08/05/22	ILK
Chloroethane	ND		ug/L	0.50	0.16	1	294335	08/05/22	08/05/22	ILK
Trichlorofluoromethane	ND		ug/L	0.50	0.15	1	294335	08/05/22	08/05/22	ILK
Freon 113	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Methylene Chloride	ND		ug/L	0.50	0.36	1	294335	08/05/22	08/05/22	ILK
MTBE	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
1,1-Dichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Chloroform	**0.16**	J	ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,1,1-Trichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Carbon Tetrachloride	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
1,2-Dichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2-Dichloropropane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Bromodichloromethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
1,1,2-Trichloroethane	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Tetrachloroethene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Dibromochloromethane	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Ethylbenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
m,p-Xylenes	ND		ug/L	1.0	0.10	1	294335	08/05/22	08/05/22	ILK
Styrene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Bromoform	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	1	294335	08/05/22	08/05/22	ILK
1,3-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,4-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.11	1	294335	08/05/22	08/05/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466631

466631-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	H,b	ug/L	50	0.6	1	294921	08/12/22	08/12/22	ILK
Acrolein	ND	H	ug/L	200	1.1	1	294921	08/12/22	08/12/22	ILK
Acrylonitrile	ND	H	ug/L	10	0.1	1	294921	08/12/22	08/12/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	103%	H	%REC	70-140	1.8	1	294921	08/12/22	08/12/22	ILK
1,2-Dichloroethane-d4	100%	H	%REC	70-140	9.2	1	294921	08/12/22	08/12/22	ILK
Toluene-d8	100%	H	%REC	70-140	3.9	1	294921	08/12/22	08/12/22	ILK
Bromofluorobenzene	101%	H	%REC	70-140		1	294921	08/12/22	08/12/22	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	294230	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM 2330B										
CCPP	**0.12**		SU			1	295203	08/17/22	08/17/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	294355	08/02/22 19:47	08/02/22 19:47	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	294384	08/04/22	08/04/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.58**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.65**	H	SU			1	294233	08/02/22 18:49	08/02/22 18:49	LVL
Temperature	**11.50**	H	deg C	1.00		1	294233	08/02/22 18:49	08/02/22 18:49	LVL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294677	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.78**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.14**		mg/L	0.020	0.0054	1	294380	08/04/22	08/04/22	ATP
Method: SM 5310B										
Total Organic Carbon	**5.2**		mg/L	1.0	0.23	1	294265	08/02/22	08/02/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2120B										
Color	ND		ColorUnits	5		1	294229	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM2130B										

Results for any subcontracted analyses are not included in this section.

Analysis Results for 466631

466631-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Turbidity	**1.3**		NTU	0.10	0.02	1	294228	08/02/22 18:25	08/02/22 18:25	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**240**		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Carbonate	ND		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Hydroxide	ND		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Alkalinity, Total as CaCO3	**190**		mg/L	13		2.5	294591	08/05/22	08/05/22	ATP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**860**		mg/L	20		2	294477	08/04/22	08/05/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6		1.1	294565	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**20**		mg/L	3.0		1	294244	08/03/22 12:00	08/08/22 11:35	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	294271	08/03/22 12:45	08/03/22 16:34	ATP

< 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:** QC1004478	**Batch:** 294311
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004478 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	08/04/22	08/05/22
Calcium	ND		mg/L	0.10	0.021	08/04/22	08/05/22
Iron	ND		mg/L	0.020	0.0066	08/04/22	08/05/22
Magnesium	ND		mg/L	0.10	0.049	08/04/22	08/05/22
Manganese	ND		mg/L	0.010	0.00061	08/04/22	08/05/22
Potassium	ND		mg/L	0.50	0.18	08/04/22	08/05/22
Sodium	ND		mg/L	0.50	0.035	08/04/22	08/05/22

Type: Lab Control Sample	**Lab ID:** QC1004479	**Batch:** 294311
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004479 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4148	0.4000	mg/L	104%		85-115
Calcium	19.91	18.40	mg/L	108%		85-115
Iron	0.4184	0.4000	mg/L	105%		85-115
Magnesium	20.76	18.40	mg/L	113%		85-115
Manganese	0.4109	0.4000	mg/L	103%		85-115
Potassium	21.97	22.00	mg/L	100%		85-115
Sodium	19.61	18.40	mg/L	107%		85-115

Type: Matrix Spike	**Lab ID:** QC1004480	**Batch:** 294311
Matrix (Source ID): Water (466577-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004480 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.8827	0.4279	0.4000	mg/L	114%		75-125	1
Calcium	91.73	67.20	19.40	mg/L	126%	*	75-125	1
Iron	5.780	5.120	0.4000	mg/L	165%	NM	75-125	1
Magnesium	50.20	26.89	19.40	mg/L	120%		75-125	1
Manganese	0.4209	0.006196	0.4000	mg/L	104%		75-125	1
Potassium	28.88	3.844	23.00	mg/L	109%		75-125	1
Sodium	150.5	131.0	19.40	mg/L	101%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004481**	**Batch:**	**294311**
Matrix (Source ID):	**Water (466577-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1004481 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.8885	0.4279	0.4000	mg/L	115%		75-125	1	20	1
Calcium	91.94	67.20	19.40	mg/L	127%	*	75-125	0	20	1
Iron	5.713	5.120	0.4000	mg/L	148%	NM	75-125	1	20	1
Magnesium	51.32	26.89	19.40	mg/L	126%	*	75-125	2	20	1
Manganese	0.4302	0.006196	0.4000	mg/L	106%		75-125	2	20	1
Potassium	30.21	3.844	23.00	mg/L	115%		75-125	4	20	1
Sodium	149.9	131.0	19.40	mg/L	97%	NM	75-125	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1004565**	**Batch:**	**294340**
Matrix:	**Water**				

QC1004565 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: CALCULATION Prep Method: EPA 200.8							
Chromium Trivalent	ND		ug/L	1.0		08/04/22	10/07/22
Method: EPA 200.8 Prep Method: EPA 200.8							
Aluminum	ND		ug/L	26	26	08/04/22	08/04/22
Antimony	ND		ug/L	0.50	0.042	08/04/22	08/04/22
Arsenic	ND		ug/L	2.0	0.29	08/04/22	08/04/22
Barium	ND		ug/L	5.0	0.13	08/04/22	08/04/22
Beryllium	ND		ug/L	0.50	0.053	08/04/22	08/04/22
Cadmium	ND		ug/L	0.20	0.073	08/04/22	08/04/22
Chromium	ND		ug/L	1.0	0.25	08/04/22	08/04/22
Copper	ND		ug/L	0.50	0.28	08/04/22	08/04/22
Lead	ND		ug/L	0.50	0.073	08/04/22	08/04/22
Nickel	ND		ug/L	1.0	0.15	08/04/22	08/04/22
Selenium	ND		ug/L	2.0	1.0	08/04/22	08/04/22
Silver	ND		ug/L	0.20	0.057	08/04/22	08/04/22
Thallium	ND		ug/L	1.0	0.029	08/04/22	08/04/22
Zinc	ND		ug/L	10	1.1	08/04/22	08/04/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1004566	**Batch:** 294340
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC1004566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	102.3	100.0	ug/L	102%		85-115
Antimony	96.92	100.0	ug/L	97%		85-115
Arsenic	101.2	100.0	ug/L	101%		85-115
Barium	95.24	100.0	ug/L	95%		85-115
Beryllium	96.87	100.0	ug/L	97%		85-115
Cadmium	95.48	100.0	ug/L	95%		85-115
Chromium	100.2	100.0	ug/L	100%		85-115
Copper	105.9	100.0	ug/L	106%		85-115
Lead	100.9	100.0	ug/L	101%		85-115
Nickel	105.4	100.0	ug/L	105%		85-115
Selenium	98.90	100.0	ug/L	99%		85-115
Silver	49.04	50.00	ug/L	98%		85-115
Thallium	100.9	100.0	ug/L	101%		85-115
Zinc	101.7	100.0	ug/L	102%		85-115

Type: Matrix Spike	**Lab ID:** QC1004567	**Batch:** 294340
Matrix (Source ID): Water (466355-001)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC1004567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	118.4	ND	100.0	ug/L	118%		70-130	1
Antimony	99.75	0.2990	100.0	ug/L	99%		70-130	1
Arsenic	100.4	ND	100.0	ug/L	100%		70-130	1
Barium	105.9	7.503	100.0	ug/L	98%		70-130	1
Beryllium	96.52	ND	100.0	ug/L	97%		70-130	1
Cadmium	98.80	ND	100.0	ug/L	99%		70-130	1
Chromium	101.1	3.007	100.0	ug/L	98%		70-130	1
Copper	105.8	0.3850	100.0	ug/L	105%		70-130	1
Lead	97.27	ND	100.0	ug/L	97%		70-130	1
Nickel	108.4	6.559	100.0	ug/L	102%		70-130	1
Selenium	96.81	ND	100.0	ug/L	97%		70-130	1
Silver	49.47	ND	50.00	ug/L	99%		70-130	1
Thallium	97.85	ND	100.0	ug/L	98%		70-130	1
Zinc	103.2	2.541	100.0	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1004568	**Batch:**	294340
Matrix (Source ID):	Water (466355-001)	**Method:**	EPA 200.8	**Prep Method:**	EPA 200.8

QC1004568 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aluminum	114.4	ND	100.0	ug/L	114%		70-130	3	20	1
Antimony	101.2	0.2990	100.0	ug/L	101%		70-130	1	20	1
Arsenic	98.42	ND	100.0	ug/L	98%		70-130	2	20	1
Barium	105.8	7.503	100.0	ug/L	98%		70-130	0	20	1
Beryllium	93.70	ND	100.0	ug/L	94%		70-130	3	20	1
Cadmium	98.78	ND	100.0	ug/L	99%		70-130	0	20	1
Chromium	100.4	3.007	100.0	ug/L	97%		70-130	1	20	1
Copper	104.7	0.3850	100.0	ug/L	104%		70-130	1	20	1
Lead	96.80	ND	100.0	ug/L	97%		70-130	0	20	1
Nickel	106.6	6.559	100.0	ug/L	100%		70-130	2	20	1
Selenium	95.52	ND	100.0	ug/L	96%		70-130	1	20	1
Silver	49.32	ND	50.00	ug/L	99%		70-130	0	20	1
Thallium	97.10	ND	100.0	ug/L	97%		70-130	1	20	1
Zinc	100.9	2.541	100.0	ug/L	98%		70-130	2	20	1

Type:	Blank	**Lab ID:**	QC1004879	**Batch:**	294448
Matrix:	Water	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004879 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.11	08/06/22	08/06/22

Type:	Lab Control Sample	**Lab ID:**	QC1004880	**Batch:**	294448
Matrix:	Water	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004880 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.865	5.000	ug/L	97%		80-120

Type:	Matrix Spike	**Lab ID:**	QC1004881	**Batch:**	294448
Matrix (Source ID):	Water (466334-001)	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004881 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.838	ND	5.000	ug/L	97%		75-125	1

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004882**	**Batch:**	**294448**
Matrix (Source ID):	**Water (466334-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1004882 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.946	ND	5.000	ug/L	99%		75-125	2	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1004883**	**Batch:**	**294448**
Matrix (Source ID):	**Water (466598-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1004883 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.638	ND	5.000	ug/L	93%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004884**	**Batch:**	**294448**
Matrix (Source ID):	**Water (466598-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1004884 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.744	ND	5.000	ug/L	95%		75-125	2	20	1

Type:	**Blank**	**Lab ID:**	**QC1004138**	**Batch:**	**294193**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004138 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	08/02/22 19:16	08/03/22 03:46
Chloride	0.73	J	mg/L	1.0	0.50	08/02/22 19:16	08/03/22 03:46
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/02/22 19:16	08/03/22 03:46
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/02/22 19:16	08/03/22 03:46
Sulfate	ND		mg/L	1.0	0.25	08/02/22 19:16	08/03/22 03:46
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/02/22 19:16	08/03/22 03:46

Type:	**Lab Control Sample**	**Lab ID:**	**QC1004139**	**Batch:**	**294193**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004139 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	4.607	5.000	mg/L	92%		90-110
Chloride	26.21	25.00	mg/L	105%		90-110
Nitrogen, Nitrite	2.481	2.283	mg/L	109%		90-110
Nitrogen, Nitrate	2.393	2.259	mg/L	106%		90-110
Sulfate	13.24	12.50	mg/L	106%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1004140**	**Batch:**	**294193**
Matrix (Source ID):	**Water (466647-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	4.207	ND	4.000	mg/L	105%		80-120	10
Chloride	2,557	2560	20.00	mg/L	-17%	E,NM	80-120	10
Nitrogen, Nitrite	1.344	ND	1.827	mg/L	74%	*	80-120	10
Nitrogen, Nitrate	1.601	ND	1.807	mg/L	89%		80-120	10
Sulfate	980.2	969.0	10.00	mg/L	112%	E,NM	80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004141**	**Batch:**	**294193**
Matrix (Source ID):	**Water (466647-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004141 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	4.180	ND	4.000	mg/L	104%		80-120	1	20	10
Chloride	2,540	2560	20.00	mg/L	-103%	E,NM	80-120		20	10
Nitrogen, Nitrite	1.391	ND	1.827	mg/L	76%	*	80-120	3	20	10
Nitrogen, Nitrate	1.674	ND	1.807	mg/L	93%		80-120	4	20	10
Sulfate	968.6	969.0	10.00	mg/L	-4%	E,NM	80-120		20	10

Type:	**Blank**	**Lab ID:**	**QC1005011**	**Batch:**	**294486**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1005011 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.25	08/05/22 17:25	08/05/22 18:52

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005012**	**Batch:**	**294486**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1005012 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	13.51	12.50	mg/L	108%		90-110

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005013**	**Batch:**	**294486**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1005013 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	13.41	12.50	mg/L	107%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1004293	**Batch:** 294254
Matrix: Drinking Water	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1004293 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.78	08/03/22	08/03/22

Type: Lab Control Sample	**Lab ID:** QC1004294	**Batch:** 294254
Matrix: Drinking Water	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1004294 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	53.26	50.00	ug/L	107%		85-115

Type: Matrix Spike	**Lab ID:** QC1004295	**Batch:** 294254
Matrix (Source ID): Drinking Water (466683-001)	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1004295 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	59.50	ND	50.00	ug/L	119%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1004296	**Batch:** 294254
Matrix (Source ID): Drinking Water (466683-001)	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1004296 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	58.68	ND	50.00	ug/L	117%		80-120	1	15	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1004559		**Batch:** 294335
Matrix: Water	**Method:** EPA 524.2		**Prep Method:** METHOD

QC1004559 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Benzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Trichloroethene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Toluene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Chlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Chloromethane	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Vinyl Chloride	ND		ug/L	0.50	0.12	08/04/22	08/04/22
Bromomethane	ND		ug/L	1.0	0.17	08/04/22	08/04/22
Chloroethane	ND		ug/L	0.50	0.16	08/04/22	08/04/22
Trichlorofluoromethane	ND		ug/L	0.50	0.15	08/04/22	08/04/22
Freon 113	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Methylene Chloride	ND		ug/L	0.50	0.36	08/04/22	08/04/22
MTBE	ND		ug/L	0.50	0.10	08/04/22	08/04/22
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
1,1-Dichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Chloroform	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,1,1-Trichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Carbon Tetrachloride	ND		ug/L	0.50	0.14	08/04/22	08/04/22
1,2-Dichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2-Dichloropropane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Bromodichloromethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.13	08/04/22	08/04/22
1,1,2-Trichloroethane	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Tetrachloroethene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Dibromochloromethane	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Ethylbenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
m,p-Xylenes	ND		ug/L	1.0	0.10	08/04/22	08/04/22
Styrene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Bromoform	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	08/04/22	08/04/22
1,3-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,4-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2,4-Trichlorobenzene	0.12	J	ug/L	0.50	0.11	08/04/22	08/04/22
Surrogates				**Limits**			
Bromofluorobenzene	103%		%REC	70-140		08/04/22	08/04/22
1,2-Dichloroethane-d4	99%		%REC	70-140		08/04/22	08/04/22
Dibromofluoromethane	95%		%REC	70-140		08/04/22	08/04/22
Toluene-d8	97%		%REC	70-140		08/04/22	08/04/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID: QC1004560** **Batch: 294335**
Matrix: Water

QC1004560 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Method: EPA 524.2 Prep Method: METHOD						
MTBE	10.04	10.00	ug/L	100%		70-130
Method: EPA 8260B Prep Method: EPA 5030B						
1,1-Dichloroethene	7.648	10.00	ug/L	76%		70-135
Benzene	10.14	10.00	ug/L	101%		70-130
Trichloroethene	10.54	10.00	ug/L	105%		70-130
Toluene	9.462	10.00	ug/L	95%		70-130
Chlorobenzene	9.555	10.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	12.10	12.50	ug/L	97%		70-140
1,2-Dichloroethane-d4	12.75	12.50	ug/L	102%		70-140
Toluene-d8	12.28	12.50	ug/L	98%		70-140
Bromofluorobenzene	12.90	12.50	ug/L	103%		70-140

Type: Lab Control Sample Duplicate **Lab ID: QC1004561** **Batch: 294335**
Matrix: Water

QC1004561 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Method: EPA 524.2 Prep Method: METHOD								
MTBE	10.10	10.00	ug/L	101%		70-130	1	30
Method: EPA 8260B Prep Method: EPA 5030B								
1,1-Dichloroethene	7.144	10.00	ug/L	71%		70-135	7	30
Benzene	9.856	10.00	ug/L	99%		70-130	3	30
Trichloroethene	10.24	10.00	ug/L	102%		70-130	3	30
Toluene	9.164	10.00	ug/L	92%		70-130	3	30
Chlorobenzene	9.388	10.00	ug/L	94%		70-130	2	30
Surrogates								
Dibromofluoromethane	12.48	12.50	ug/L	100%		70-140		
1,2-Dichloroethane-d4	12.91	12.50	ug/L	103%		70-140		
Toluene-d8	11.85	12.50	ug/L	95%		70-140		
Bromofluorobenzene	12.41	12.50	ug/L	99%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1006279	Batch: 294921
Matrix: Water		

QC1006279 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 524.2 Prep Method: METHOD							
1,1-Dichloroethene	ND		ug/L	0.50	0.10	08/11/22	08/11/22
Benzene	ND		ug/L	0.50	0.081	08/11/22	08/11/22
Trichloroethene	ND		ug/L	0.50	0.13	08/11/22	08/11/22
Toluene	ND		ug/L	0.50	0.10	08/11/22	08/11/22
Chlorobenzene	ND		ug/L	0.50	0.13	08/11/22	08/11/22
Chloromethane	ND		ug/L	0.50	0.15	08/11/22	08/11/22
Vinyl Chloride	ND		ug/L	0.50	0.11	08/11/22	08/11/22
Bromomethane	ND		ug/L	1.0	0.18	08/11/22	08/11/22
Chloroethane	ND		ug/L	0.50	0.13	08/11/22	08/11/22
Trichlorofluoromethane	ND		ug/L	0.50	0.12	08/11/22	08/11/22
Freon 113	ND		ug/L	0.50	0.12	08/11/22	08/11/22
Methylene Chloride	ND		ug/L	2.0	0.46	08/11/22	08/11/22
MTBE	ND		ug/L	0.50	0.10	08/11/22	08/11/22
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.15	08/11/22	08/11/22
1,1-Dichloroethane	ND		ug/L	0.50	0.12	08/11/22	08/11/22
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.11	08/11/22	08/11/22
Chloroform	ND		ug/L	0.50	0.28	08/11/22	08/11/22
1,1,1-Trichloroethane	ND		ug/L	0.50	0.11	08/11/22	08/11/22
Carbon Tetrachloride	ND		ug/L	0.50	0.10	08/11/22	08/11/22
1,2-Dichloroethane	ND		ug/L	0.50	0.098	08/11/22	08/11/22
1,2-Dichloropropane	ND		ug/L	0.50	0.12	08/11/22	08/11/22
Bromodichloromethane	ND		ug/L	0.50	0.052	08/11/22	08/11/22
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.075	08/11/22	08/11/22
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.12	08/11/22	08/11/22
1,1,2-Trichloroethane	ND		ug/L	0.50	0.14	08/11/22	08/11/22
Tetrachloroethene	ND		ug/L	0.50	0.20	08/11/22	08/11/22
Dibromochloromethane	ND		ug/L	0.50	0.19	08/11/22	08/11/22
Ethylbenzene	ND		ug/L	0.50	0.13	08/11/22	08/11/22
m,p-Xylenes	ND		ug/L	1.0	0.24	08/11/22	08/11/22
Styrene	ND		ug/L	0.50	0.11	08/11/22	08/11/22
Bromoform	ND		ug/L	0.50	0.078	08/11/22	08/11/22
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	08/11/22	08/11/22
1,3-Dichlorobenzene	ND		ug/L	0.50	0.12	08/11/22	08/11/22
1,4-Dichlorobenzene	ND		ug/L	0.50	0.11	08/11/22	08/11/22
1,2-Dichlorobenzene	ND		ug/L	0.50	0.083	08/11/22	08/11/22
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.15	08/11/22	08/11/22
Method: EPA 8260B Prep Method: EPA 5030B							
2-Chloroethylvinylether	ND	b	ug/L	5.0	0.6	08/11/22	08/11/22
Acrolein	ND		ug/L	200	1.1	08/11/22	08/11/22

ENTHALPY ANALYTICAL

Batch QC

QC1006279 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrylonitrile	ND		ug/L	10	0.1	08/11/22	08/11/22
Surrogates				**Limits**			
Dibromofluoromethane	104%		%REC	70-140	1.8	08/11/22	08/11/22
1,2-Dichloroethane-d4	102%		%REC	70-140	9.2	08/11/22	08/11/22
Toluene-d8	98%		%REC	70-140	3.9	08/11/22	08/11/22
Bromofluorobenzene	100%		%REC	70-140		08/11/22	08/11/22

Type: Lab Control Sample **Lab ID:** QC1006280 **Batch:** 294921
Matrix: Water

QC1006280 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Method: EPA 524.2 Prep Method: METHOD						
MTBE	52.56	50.00	ug/L	105%		70-130
Method: EPA 8260B Prep Method: EPA 5030B						
1,1-Dichloroethene	51.05	50.00	ug/L	102%		70-135
Benzene	51.90	50.00	ug/L	104%		70-130
Trichloroethene	50.25	50.00	ug/L	101%		70-130
Toluene	48.74	50.00	ug/L	97%		70-130
Chlorobenzene	48.52	50.00	ug/L	97%		70-130
Surrogates						
Dibromofluoromethane	52.24	50.00	ug/L	104%		70-140
1,2-Dichloroethane-d4	52.52	50.00	ug/L	105%		70-140
Toluene-d8	48.94	50.00	ug/L	98%		70-140
Bromofluorobenzene	49.68	50.00	ug/L	99%		70-140

Batch QC

Type: Lab Control Sample Duplicate **Lab ID:** QC1006281 **Batch:** 294921
Matrix: Water

QC1006281 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Method: EPA 524.2 Prep Method: METHOD								
MTBE	49.36	50.00	ug/L	99%		70-130	6	30
Method: EPA 8260B Prep Method: EPA 5030B								
1,1-Dichloroethene	47.22	50.00	ug/L	94%		70-135	8	30
Benzene	48.73	50.00	ug/L	97%		70-130	6	30
Trichloroethene	48.24	50.00	ug/L	96%		70-130	4	30
Toluene	46.80	50.00	ug/L	94%		70-130	4	30
Chlorobenzene	47.08	50.00	ug/L	94%		70-130	3	30
Surrogates								
Dibromofluoromethane	50.74	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	50.39	50.00	ug/L	101%		70-140		
Toluene-d8	49.27	50.00	ug/L	99%		70-140		
Bromofluorobenzene	48.60	50.00	ug/L	97%		70-140		

Type: Sample Duplicate **Lab ID:** QC1004260 **Batch:** 294230
Matrix (Source ID): Drinking Water (466606-001) **Method:** SM 2150B

QC1004260 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank **Lab ID:** QC1004600 **Batch:** 294355
Matrix: Water **Method:** SM 4500-CL-G

QC1004600 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	08/02/22 19:47	08/02/22 19:47

Type: Lab Control Sample **Lab ID:** QC1004601 **Batch:** 294355
Matrix: Water **Method:** SM 4500-CL-G

QC1004601 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.087	1.000	mg/L	109%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1004602**	**Batch:**	**294355**
Matrix (Source ID):	**Water (466474-003)**	**Method:**	**SM 4500-CL-G**		

QC1004602 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	1.034	1.036	mg/L		0	20	1

Type:	**Blank**	**Lab ID:**	**QC1004689**	**Batch:**	**294384**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1004689 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0034	08/04/22	08/04/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1004690**	**Batch:**	**294384**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1004690 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1920	0.2000	mg/L	96%		73-123

Type:	**Matrix Spike**	**Lab ID:**	**QC1004691**	**Batch:**	**294384**
Matrix (Source ID):	**Water (466215-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1004691 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1920	ND	0.2000	mg/L	96%		56-129	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004692**	**Batch:**	**294384**
Matrix (Source ID):	**Water (466215-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC1004692 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1920	ND	0.2000	mg/L	96%		56-129	0	37	1

Type:	**Blank**	**Lab ID:**	**QC1006471**	**Batch:**	**294990**
Matrix:	**Drinking Water**	**Method:**	**SM 4500-F-C**		

QC1006471 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.10	0.0059	08/12/22	08/12/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample | **Lab ID:** QC1006472 | **Batch:** 294990
Matrix: Drinking Water | **Method:** SM 4500-F-C

QC1006472 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	1.010	1.000	mg/L	101%		80-120

Type: Matrix Spike | **Lab ID:** QC1006473 | **Batch:** 294990
Matrix (Source ID): Drinking Water (467206-002) | **Method:** SM 4500-F-C

QC1006473 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.030	ND	1.000	mg/L	100%		75-125	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1006474 | **Batch:** 294990
Matrix (Source ID): Drinking Water (467206-002) | **Method:** SM 4500-F-C

QC1006474 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.040	ND	1.000	mg/L	101%		75-125	1	20	1

Type: Sample Duplicate | **Lab ID:** QC1006712 | **Batch:** 294233
Matrix (Source ID): Water (466631-001) | **Method:** SM 4500-H+ B

QC1006712 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.620	7.620	SU		0	20	1
Temperature	17.90	16.10	deg C		11	20	1

Type: Blank | **Lab ID:** QC1005581 | **Batch:** 294677
Matrix: Water | **Method:** SM 4500-NH3-G

QC1005581 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

Type: Lab Control Sample | **Lab ID:** QC1005582 | **Batch:** 294677
Matrix: Water | **Method:** SM 4500-NH3-G

QC1005582 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.361	2.500	mg/L	94%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1005595**	**Batch:**	**294677**
Matrix (Source ID):	**Water (466882-001)**	**Method:**	**SM 4500-NH3-G**	**Prep Method:**	**METHOD**

QC1005595 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.509	0.05461	2.500	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1005596**	**Batch:**	**294677**
Matrix (Source ID):	**Water (466882-001)**	**Method:**	**SM 4500-NH3-G**	**Prep Method:**	**METHOD**

QC1005596 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.399	0.05461	2.500	mg/L	94%		80-120	4	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1005615**	**Batch:**	**294677**
Matrix (Source ID):	**Water (466631-001)**	**Method:**	**SM 4500-NH3-G**		

QC1005615 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.625	0.05404	2.500	mg/L	103%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1005616**	**Batch:**	**294677**
Matrix (Source ID):	**Water (466631-001)**	**Method:**	**SM 4500-NH3-G**		

QC1005616 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.583	0.05404	2.500	mg/L	101%		80-120	2	20	1

Type:	**Blank**	**Lab ID:**	**QC1005617**	**Batch:**	**294677**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC1005617 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005618**	**Batch:**	**294677**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC1005618 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.619	2.500	mg/L	105%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1005763** **Batch: 294755**
Matrix: Water **Method: SM 4500-NH3-G**

QC1005763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample **Lab ID: QC1005764** **Batch: 294755**
Matrix: Water **Method: SM 4500-NH3-G**

QC1005764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.691	2.500	mg/L	108%		80-120

Type: Matrix Spike **Lab ID: QC1005765** **Batch: 294755**
Matrix (Source ID): Water (466764-001) **Method: SM 4500-NH3-G**

QC1005765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.04	0.6826	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID: QC1005766** **Batch: 294755**
Matrix (Source ID): Water (466764-001) **Method: SM 4500-NH3-G**

QC1005766 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.38	0.6826	12.50	mg/L	102%		80-120	3	20	2.5

Type: Blank **Lab ID: QC1004680** **Batch: 294380**
Matrix: Water **Method: SM 4500-P-B5-E**

QC1004680 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/04/22	08/04/22

Type: Lab Control Sample **Lab ID: QC1004681** **Batch: 294380**
Matrix: Water **Method: SM 4500-P-B5-E**

QC1004681 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3870	0.3300	mg/L	117%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC1004682 | **Batch:** 294380
Matrix (Source ID): Water (466497-001) | **Method:** SM 4500-P-B5-E

QC1004682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4970	0.06500	0.4000	mg/L	108%		75-125	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1004683 | **Batch:** 294380
Matrix (Source ID): Water (466497-001) | **Method:** SM 4500-P-B5-E

QC1004683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.4980	0.06500	0.4000	mg/L	108%		75-125	0	20	1

Type: Blank | **Lab ID:** QC1004324 | **Batch:** 294265
Matrix: Water | **Method:** SM 5310B

QC1004324 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.23	08/02/22	08/02/22

Type: Lab Control Sample | **Lab ID:** QC1004325 | **Batch:** 294265
Matrix: Water | **Method:** SM 5310B

QC1004325 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.517	10.00	mg/L	95%		80-120

Type: Matrix Spike | **Lab ID:** QC1004326 | **Batch:** 294265
Matrix (Source ID): Water (466488-001) | **Method:** SM 5310B

QC1004326 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	159.9	126.7	40.00	mg/L	83%		80-120	4

Type: Matrix Spike Duplicate | **Lab ID:** QC1004327 | **Batch:** 294265
Matrix (Source ID): Water (466488-001) | **Method:** SM 5310B

QC1004327 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	159.3	126.7	40.00	mg/L	82%		80-120	0	20	4

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1004259**	**Batch:**	**294229**
Matrix (Source ID):	**Drinking Water (466606-001)**	**Method:**	**SM2120B**		

QC1004259 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC1004258**	**Batch:**	**294228**
Matrix (Source ID):	**Drinking Water (466606-001)**	**Method:**	**SM2130B**		

QC1004258 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1000	ND	NTU		5	20	1

Type:	**Blank**	**Lab ID:**	**QC1005312**	**Batch:**	**294591**
Matrix:	**Water**	**Method:**	**SM2320B**	**Prep Method:**	**METHOD**

QC1005312 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/05/22	08/05/22
Carbonate	ND		mg/L	5.0		08/05/22	08/05/22
Hydroxide	ND		mg/L	5.0		08/05/22	08/05/22
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/05/22	08/05/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005313**	**Batch:**	**294591**
Matrix:	**Water**	**Method:**	**SM2320B**	**Prep Method:**	**METHOD**

QC1005313 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	998.6	1000	mg/L	100%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC1005314**	**Batch:**	**294591**
Matrix (Source ID):	**Water (466414-013)**	**Method:**	**SM2320B**	**Prep Method:**	**METHOD**

QC1005314 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	449.6	449.6	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	368.5	368.5	mg/L		0	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1004984	Batch: 294477
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1004984 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/04/22	08/05/22

Type: Lab Control Sample	Lab ID: QC1004985	Batch: 294477
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1004985 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	352.0	342.0	mg/L	103%		90-110

Type: Sample Duplicate	Lab ID: QC1004986	Batch: 294477
Matrix (Source ID): Water (466569-010)	Method: SM2540C	Prep Method: METHOD

QC1004986 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	19,620	19360	mg/L		1	5	10

Type: Blank	Lab ID: QC1005266	Batch: 294565
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1005266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/05/22	08/05/22

Type: Sample Duplicate	Lab ID: QC1005267	Batch: 294565
Matrix (Source ID): Water (466495-002)	Method: SM2540D	Prep Method: METHOD

QC1005267 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	300.0	290.0	mg/L		3	5	20

Type: Blank	Lab ID: QC1004283	Batch: 294244
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC1004283 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		08/03/22 11:29	08/08/22 11:35

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1004284	Batch: 294244
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC1004284 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: QC1004339	Batch: 294271
Matrix: Water	Method: SM5540C	

QC1004339 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.029	08/03/22 12:45	08/03/22 16:34

Type: Lab Control Sample	Lab ID: QC1004340	Batch: 294271
Matrix: Water	Method: SM5540C	

QC1004340 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9290	1.000	mg/L	93%		80-120

Type: Matrix Spike	Lab ID: QC1004341	Batch: 294271
Matrix (Source ID): Water (466631-003)	Method: SM5540C	

QC1004341 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9120	ND	1.000	mg/L	88%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1004342	Batch: 294271
Matrix (Source ID): Water (466631-003)	Method: SM5540C	

QC1004342 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9080	ND	1.000	mg/L	88%		80-120	0	20	1

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

Laboratory Job Number 466631

Subcontracted Products

Eurofins Southwest

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-105298-1
Client Project/Site: EO-466631

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/11/2022 1:17:03 PM
Sheila Luu, Project Mgmt. Assistant
Sheila.Luu@et.eurofinsus.com

Designee for

Xuan Dang, Project Manager I
(714)895-5494
Xuan.Dang@et.eurofinsus.com

LINKS

Review your project results through my EOL

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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Receipt Checklists 14

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

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: EO-466631

Job ID: 570-105298-1

Job ID: 570-105298-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-105298-1

Comments
No additional comments.

Receipt
The samples were received on 8/3/2022 5:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.5º C.

Receipt Exceptions

W received only 1L glass preserved with H2SO4 per sample, but on the COC the client is also requesting BOD.

GC Semi VOA
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 570-255453. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Method 1664.

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: EO-466631

Job ID: 570-105298-1

Client Sample ID: MCWP-MW04S — Lab Sample ID: 570-105298-1

No Detections.

Client Sample ID: MCWP-MW07S — Lab Sample ID: 570-105298-2

No Detections.

Client Sample ID: MCWP-MW07D — Lab Sample ID: 570-105298-3

No Detections.

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: MCWP-MW04S
Date Collected: 08/02/22 13:00
Date Received: 08/03/22 17:50

Lab Sample ID: 570-105298-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.25	0.639	mg/L		08/09/22 10:59	08/09/22 10:59	1

Client Sample ID: MCWP-MW07S
Date Collected: 08/02/22 11:30
Date Received: 08/03/22 17:50

Lab Sample ID: 570-105298-2
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.23	0.628	mg/L		08/09/22 10:59	08/09/22 10:59	1

Client Sample ID: MCWP-MW07D
Date Collected: 08/02/22 11:35
Date Received: 08/03/22 17:50

Lab Sample ID: 570-105298-3
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.15	0.587	mg/L		08/09/22 10:59	08/09/22 10:59	1

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-255453/1-A
Matrix: Water
Analysis Batch: 255570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 255453

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.510	mg/L		08/09/22 10:59	08/09/22 10:59	1

Lab Sample ID: LCS 570-255453/2-A
Matrix: Water
Analysis Batch: 255570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255453

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
HEM: Oil and Grease			40.0	38.80		mg/L		97	78 - 114		

Lab Sample ID: LCSD 570-255453/3-A
Matrix: Water
Analysis Batch: 255570

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 255453

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM: Oil and Grease			40.0	37.30		mg/L		93	78 - 114	4	18

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

General Chemistry

Prep Batch: 255453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105298-1	MCWP-MW04S	Total/NA	Water	1664A	
570-105298-2	MCWP-MW07S	Total/NA	Water	1664A	
570-105298-3	MCWP-MW07D	Total/NA	Water	1664A	
MB 570-255453/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-255453/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-255453/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 255570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105298-1	MCWP-MW04S	Total/NA	Water	1664A	255453
570-105298-2	MCWP-MW07S	Total/NA	Water	1664A	255453
570-105298-3	MCWP-MW07D	Total/NA	Water	1664A	255453
MB 570-255453/1-A	Method Blank	Total/NA	Water	1664A	255453
LCS 570-255453/2-A	Lab Control Sample	Total/NA	Water	1664A	255453
LCSD 570-255453/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	255453

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

Client Sample ID: MCWP-MW04S
Date Collected: 08/02/22 13:00
Date Received: 08/03/22 17:50

Lab Sample ID: 570-105298-1
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			799 mL	1000 mL	255453	08/09/22 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			255570	08/09/22 10:59	OM8W	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MCWP-MW07S
Date Collected: 08/02/22 11:30
Date Received: 08/03/22 17:50

Lab Sample ID: 570-105298-2
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	255453	08/09/22 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			255570	08/09/22 10:59	OM8W	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MCWP-MW07D
Date Collected: 08/02/22 11:35
Date Received: 08/03/22 17:50

Lab Sample ID: 570-105298-3
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			870 mL	1000 mL	255453	08/09/22 10:59	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			255570	08/09/22 10:59	OM8W	EET CAL 4
	Instrument ID: NOEQUIP									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-23
Oregon	NELAP	4175	02-02-23

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	EET CAL 4
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET CAL 4

Protocol References:

1664A = EPA-821-98-002

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: EO-466631

Job ID: 570-105298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-105298-1	MCWP-MW04S	Water	08/02/22 13:00	08/03/22 17:50
570-105298-2	MCWP-MW07S	Water	08/02/22 11:30	08/03/22 17:50
570-105298-3	MCWP-MW07D	Water	08/02/22 11:35	08/03/22 17:50

105298

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins Southwest
2841 Dow Avenue
Suite 100
Tustin, CA 92780
ATTN: Xuan Dang
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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: .DBF erpimsenhanced

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	02-AUG-2022 13.00	466631-001	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
MCWP-MW07S	02-AUG-2022 11 30	466631-002	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
MCWP-MW07D	02-AUG-2022 11 35	466631-003	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	

Notes:	Relinquished By:	Received By:
		EC
	Date: 8/3/22 17:50	Date: 8-3-2022 17:50
	Date:	Date:
	Date:	Date:

1 5/1.5 5c12

570-105298 Chain of Custody

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-105298-1

Login Number: 105298
List Number: 1
Creator: Escalante, Maria I

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Laboratory Job Number 466631

Subcontracted Products

Enthalpy - Wilmington

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project: EO-466631
Samples Received: 08/04/22

Analytical Report
0822-717

EPA Method 1613B

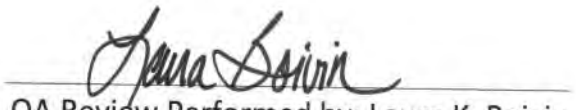
2, 3, 7, 8 TCDD

Enthalpy Analytical, LLC – Ultratrace
Mark Hager
O: 910-876-6894 / F: 910-212-6886
mark.hager@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 __19__ pages.



QA Review Performed by: Laura K. Boivin

Report Issued Date: 08/22/2022

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Job No.: 0822-717-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466631

Summary

	Compound	CAS	MCWP-MW04S pg/L	MCWP-MW07S pg/L	MCWP-MW07D pg/L
TCDD	2378-TCDD (S)	1746-01-6	ND U	ND U	ND U

Detailed Results

Enthalpy Analytical

Job No.: 0822-717-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466631

Enthalpy ID	0822-717-001-1	Prep Batch	EU13792	Sample Vol (mL)	1040.3
Sample Name	MCWP-MW04S	Prep Date	2022-08-05 13:30	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-15 22:44	Split Factor	N/A
Sampling Date	20220802 00:00	Analyst	bahager	Method Code	WM-016
Received Date	2022-08-04 10:15	Instrument	Gandolf	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	4.81	0.784			U
ES	13C-2378-TCDD (ES)	76523-40-5	46.39	892			3.52	25-175%	46.4%	
CS	37Cl-2378-TCDD (CS)		41.93	806			0.793	39-154%	104.8%	
AS	13C-1368-TCDD (AS)		75.69	1455			3.16	20-150%	75.7%	

Enthalpy Analytical

Job No.: 0822-717-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466631

Enthalpy ID	0822-717-002-1	Prep Batch	EU13792	Sample Vol (mL)	991.9
Sample Name	MCWP-MW07S	Prep Date	2022-08-05 13:30	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-15 23:33	Split Factor	N/A
Sampling Date	20220802 00:00	Analyst	bahager	Method Code	WM-016
Received Date	2022-08-04 10:15	Instrument	Gandolf	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	5.04	0.786			U
ES	13C-2378-TCDD (ES)	76523-40-5	58.11	1172			3.93	25-175%	58.1%	
CS	37Cl-2378-TCDD (CS)		42.51	857			0.756	39-154%	106.3%	
AS	13C-1368-TCDD (AS)		75.66	1525			3.54	20-150%	75.7%	

Enthalpy Analytical

Job No.: 0822-717-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466631

Enthalpy ID	0822-717-003-1	Prep Batch	EU13792	Sample Vol (mL)	1027.8
Sample Name	MCWP-MW07D	Prep Date	2022-08-05 13:30	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-16 00:23	Split Factor	N/A
Sampling Date	20220802 00:00	Analyst	bahager	Method Code	WM-016
Received Date	2022-08-04 10:15	Instrument	Gandolf	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	4.86	0.832			U
ES	13C-2378-TCDD (ES)	76523-40-5	53.49	1041			4.31	25-175%	53.5%	
CS	37Cl-2378-TCDD (CS)		43.68	850			1.05	39-154%	109.2%	
AS	13C-1368-TCDD (AS)		78.46	1527			3.88	20-150%	78.5%	

QC Data

Enthalpy Analytical

Job No.: 0822-717-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466631

Enthalpy ID	MB-13792-DF	Prep Batch	EU13792	Sample Vol (mL)	1200
Sample Name	MB-13792-DF	Prep Date	2022-08-05 13:30	Extract Vol (mL)	0.02
Matrix	aqueous	Analysis Date	2022-08-15 21:04	Split Factor	N/A
Sampling Date		Analyst	bahager	Method Code	WM-016
Received Date		Instrument	Gandolf	Sample Type	Blank

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	4.17	0.591			U
ES	13C-2378-TCDD (ES)	76523-40-5	52.24	871			2.96	25-175%	52.2%	
CS	37Cl-2378-TCDD (CS)		41.49	691			0.633	39-154%	103.7%	
AS	13C-1368-TCDD (AS)		74.37	1239			2.66	20-150%	74.4%	

Enthalpy Analytical

Job No.: 0822-717-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466631

Enthalpy ID	OPR-13792-DF	Prep Batch	EU13792	Sample Vol (mL)	1200
Sample Name	OPR-13792-DF	Prep Date	2022-08-05 13:30	Extract Vol (mL)	0.02
Matrix	aqueous	Analysis Date	2022-08-15 19:25	Split Factor	N/A
Sampling Date		Analyst	bahager	Method Code	WM-016
Received Date		Instrument	Gandolf	Sample Type	Control

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	10.14	169	169	4.17	1.24	67-158%	101.4%	
ES	13C-2378-TCDD (ES)	76523-40-5	63.66	1061			3.75	25-175%	63.7%	
CS	37Cl-2378-TCDD (CS)		43.77	729			0.882	39-154%	109.4%	
AS	13C-1368-TCDD (AS)		75.97	1266			3.37	20-150%	76.0%	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0822-717 EPA Method 1613B
Client Project #	EO-466631

Custody	Megan Holden of Enthalpy Analytical Wilmington received the samples (via FedEx) on ice on August 4, 2022 at 5.0°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 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 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	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 amount 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: The EDL is unique to isotope dilution methods and reflects the conditions of analysis at the time of analysis, including the equipment used. Where the MDL is a static value, the EDL is a dynamic value.
- EMPC – Estimated Maximum Possible Concentration: EMPC is specific to Dioxin/Furan tests to indicate the determined ion-abundance ratio was outside the allowed theoretical range (usually due to being near the detection limit, although it can very rarely be caused by a co-eluting interference). The EMPC concentration is adjusted to reflect the value at the theoretical ion-abundance ratio.
- IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria. The analyte concentration may be inaccurate due to interference.
- 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 Quantitation: 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 LOQ 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.
- <LOQ() – Analyte was not found at a concentration high enough to be reported as above the QSM-defined LOQ or TNI defined Reporting Limit. It is reported as less than the LOQ, and the LOQ 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 / Q – The labeled standard recovery is not within method control limits.
- X – Indicates the result is 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.
- R – Indicates a re-extraction of the sample.
- RJ – Indicates a reinjection of the sample extract.

- S – Indicates a sample split. The number that follows the "S" indicates the split factor.
- SAT – Indicates an analyte saturated the detector.

Sample Custody

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

0822-717

Subcontract Laboratory:
Enthalpy - Wilmington
2714 Exchange Drive
Wilmington, NC 28405
ATTN: Bryan Vining
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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: Quant Method PfasToBerkeley, EDD Filename TestWllmGeoTracker EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 1613 - 2,3,7,8-TCDD only	

Notes:	Relinquished By:	Received By:
Fedex, cooler in box, on ice, no seals, good condition, 777569010115 MR 8.4.22		FEDEX 777569010115
	Date: 8/3/22 1500	Date: 8/3/22
		Megan Holden
	Date:	Date: 8.4.22 10:15 5.0°C/10
	Date:	Date:

This Is The Last Page Of This Report.

Laboratory Job Number 466631

Subcontracted Products

SGS Forensic

SGS FORENSIC LABORATORIES

Final

ANALYSIS REPORT
ASBESTOS IN DRINKING WATER
Transmission Electron Microscopy*

Client:	Enthalpy Analytical LLC		
Contact:	Ranjit K Clarke	Client Number:	1137
Street:	2323 5th Street	Report Number:	T035507
City/state/zip:	Berkeley, CA 94710	Date/time Received:	8/3/22 1300

Site:		Date filtered:	8/3/22
Job ID/PO:	EO-466631	Analyst(s):	MAB
Date Collected:	8/2/22	Date Analyzed:	8/9/22
Hold time, hrs:	<48	Date Reported:	8/10/22
Filter type:	25mm MCE	Date Printed:	8/10/22
Pore size:	0.22 µm		

ANALYTICAL RESULTS

Sample Number	MCWP-MW04S	MCWP-MW07S	MCWP-MW07D	
Description				
Lab Sample Number	20138709	20138710	20138711	
Volume Filtered, mL	10	10	30	
Filter Area, mm2	190	190	190	
Grid Opening Area, mm^2	0.0086	0.0086	0.0086	
Number of GO's Analyzed	10	10	4	
Area Analyzed, mm^2	0.086	0.086	0.0344	
# Asbestos Fibers ≥10 µm	1	0	0	
Analytical Sensitivity, MFL	0.2	0.2	0.2	
Asbestos Concentration, ≥10um in length, MFL	**0.2**	**<0.2**	**<0.2**	
Asbestos Type(s) Detected**	**AC**	**ND**	**ND**	
95% Upper Conf. Limit, MFL	1.1	0.7	0.7	
95% Lower Conf. Limit, MFL	0.0	0.0	0.0	

0

Mark Floyd, Analytical Microscopy Supervisor

* Method 100.2 (EPA/600/R-94/134). Results are reported in Millions of Fibers per Liter (MFL) over 10 µm in length.

** Asbestos types: CH=chrysotile; AM=amosite; CR=crocidolite; TR=tremolite; AC=actinolite; AN=anthophyllite; ND=none detected; NA-Not Analyzed; n/a=not applicable (i.e., divide by 0); OV=overloaded; BL=blank sample; PF=prepped not analyzed.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (Client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full with approval from SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. This report must not be used by the client to claim product endorsement by NVLAP or any U.S. government agency. SGSFL is unable to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of 30 days, according to all state and federal guidelines, unless otherwise specified.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
SGS Forensic
3777 Depot Road
Suite 409
Hayward, CA 94545
ATTN:
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 100.2 Asbestos	
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 100.2 Asbestos	
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 100.2 Asbestos	

Notes:	Relinquished By:	Received By:
	8/4/22 1800	RECEIVED AUG 0 3 2022
	Date:	Date:
		BY: Courier
	Date:	Date:
	Date:	Date:

Laboratory Job Number 466631

Subcontracted Products

Pace Analytical - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 26, 2022

Ms. Patricia Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: EO-466631
Pace Project No.: 30511721

Dear Ms. Mata:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2022. 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,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical
David Tripp, 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-466631
Pace Project No.: 30511721

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 #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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

SAMPLE SUMMARY

Project: EO-466631
Pace Project No.: 30511721

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30511721001	**MCWP-MW04S**	Water	08/02/22 13:00	08/04/22 17:10
30511721002	**MCWP-MW07S**	Water	08/02/22 11:30	08/04/22 17:10
30511721003	**MCWP-MW07D**	Water	08/02/22 11:35	08/04/22 17:10

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

SAMPLE ANALYTE COUNT

Project: EO-466631
Pace Project No.: 30511721

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30511721001	**MCWP-MW04S**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA
30511721002	**MCWP-MW07S**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA
30511721003	**MCWP-MW07D**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

Sample: MCWP-MW04S **Lab ID: 30511721001** Collected: 08/02/22 13:00 Received: 08/04/22 17:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • no container preservative type on COC
• Added 5.0mL HNO3 to sample

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**78.1 ± 23.8 (24.5) C:NA T:NA**	pCi/L	08/22/22 20:46	12587-46-1	
Gross Beta	EPA 900.0	**9.88 ± 6.11 (9.41) C:NA T:NA**	pCi/L	08/22/22 20:46	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**-0.0978 ± 0.301 (0.553) C:NA T:90%**	pCi/L	08/22/22 15:24	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**1.07 ± 0.653 (1.23) C:69% T:90%**	pCi/L	08/15/22 15:42	15262-20-1	
		Pace Analytical Services - Greensburg				
Strontium-90	ASTM D5811-95	**0.160 ± 1.79 (3.40) C:96% T:NA**	pCi/L	08/16/22 19:10	10098-97-2	N2
		Pace Analytical Services - Greensburg				
Tritium	EPA 906.0	**-223 ± 147 (273) C:NA T:NA**	pCi/L	09/01/22 01:00	10028-17-8	

Sample: MCWP-MW07S **Lab ID: 30511721002** Collected: 08/02/22 11:30 Received: 08/04/22 17:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • no container preservative type on COC
• Added 5.0 mL HNO3 to sample

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**3.49 ± 2.49 (4.08) C:NA T:NA**	pCi/L	08/22/22 20:47	12587-46-1	
Gross Beta	EPA 900.0	**3.67 ± 1.51 (2.25) C:NA T:NA**	pCi/L	08/22/22 20:47	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.0827 ± 0.273 (0.459) C:NA T:96%**	pCi/L	08/22/22 15:24	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**1.09 ± 0.657 (1.23) C:64% T:96%**	pCi/L	08/15/22 15:42	15262-20-1	
		Pace Analytical Services - Greensburg				
Strontium-90	ASTM D5811-95	**0.370 ± 1.71 (3.23) C:97% T:NA**	pCi/L	08/16/22 19:13	10098-97-2	N2
		Pace Analytical Services - Greensburg				
Tritium	EPA 906.0	**-76.1 ± 152 (273) C:NA T:NA**	pCi/L	09/01/22 02:01	10028-17-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

Sample: MCWP-MW07D **Lab ID: 30511721003** Collected: 08/02/22 11:35 Received: 08/04/22 17:10 Matrix: Water
PWS: Site ID: Sample Type:

Comments:
- no container preservative type on OCC
- Added 2.5mL HNO3 to sample (2 bottles)
- Added 5.0mL HNO3 to sample (1 bottle)

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**1.10 ± 1.58 (2.90) C:NA T:NA**	pCi/L	08/22/22 20:47	12587-46-1	
Gross Beta	EPA 900.0	**1.57 ± 0.590 (0.834) C:NA T:NA**	pCi/L	08/22/22 20:47	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.108 ± 0.270 (0.509) C:NA T:93%**	pCi/L	08/22/22 15:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**-0.118 ± 0.454 (1.08) C:70% T:93%**	pCi/L	08/15/22 15:42	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-1.64 ± 1.78 (3.50) C:98% T:NA**	pCi/L	08/16/22 19:13	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**-295 ± 158 (297) C:NA T:NA**	pCi/L	09/01/22 03:02	10028-17-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

QC Batch: 524081
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: 30511721001, 30511721002, 30511721003

METHOD BLANK: 2541570 Matrix: Water
Associated Lab Samples: 30511721001, 30511721002, 30511721003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.127 ± 0.159 (0.359) C:NA T:97%	pCi/L	08/22/22 15:24	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

QC Batch: 525969
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30511721001, 30511721002, 30511721003

METHOD BLANK: 2551580 Matrix: Water
Associated Lab Samples: 30511721001, 30511721002, 30511721003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	94.0 ± 168 (285) C:NA T:NA	pCi/L	09/02/22 12:01	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

QC Batch: 524082
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: 30511721001, 30511721002, 30511721003

METHOD BLANK: 2541573 Matrix: Water
Associated Lab Samples: 30511721001, 30511721002, 30511721003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.501 ± 0.320 (0.593) C:70% T:97%	pCi/L	08/15/22 12:25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

QC Batch: 524303
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: 30511721001, 30511721002, 30511721003

METHOD BLANK: 2542410 Matrix: Water
Associated Lab Samples: 30511721001, 30511721002, 30511721003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.313 ± 0.653 (1.52) C:NA T:NA	pCi/L	08/24/22 08:42	
Gross Beta	0.029 ± 0.656 (1.61) C:NA T:NA	pCi/L	08/24/22 08:42	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: EO-466631
Pace Project No.: 30511721

QC Batch: 524516
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: 30511721001, 30511721002, 30511721003

METHOD BLANK: 2543555 Matrix: Water
Associated Lab Samples: 30511721001, 30511721002, 30511721003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.152 ± 0.425 (0.998) C:100% T:NA	pCi/L	08/17/22 09:06	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: EO-466631
Pace Project No.: 30511721

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: EO-466631
Pace Project No.: 30511721

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30511721001	**MCWP-MW04S**	EPA 900.0	524303		
30511721002	**MCWP-MW07S**	EPA 900.0	524303		
30511721003	**MCWP-MW07D**	EPA 900.0	524303		
30511721001	**MCWP-MW04S**	EPA 903.1	524081		
30511721002	**MCWP-MW07S**	EPA 903.1	524081		
30511721003	**MCWP-MW07D**	EPA 903.1	524081		
30511721001	**MCWP-MW04S**	EPA 904.0	524082		
30511721002	**MCWP-MW07S**	EPA 904.0	524082		
30511721003	**MCWP-MW07D**	EPA 904.0	524082		
30511721001	**MCWP-MW04S**	ASTM D5811-95	524516		
30511721002	**MCWP-MW07S**	ASTM D5811-95	524516		
30511721003	**MCWP-MW07D**	ASTM D5811-95	524516		
30511721001	**MCWP-MW04S**	EPA 906.0	525969		
30511721002	**MCWP-MW07S**	EPA 906.0	525969		
30511721003	**MCWP-MW07D**	EPA 906.0	525969		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

WO# : 30511721

30511721

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 900.0 Gross Alpha and Beta	001
			1	Water	EPA 903.1 Radium-226	
			1	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 900.0 Gross Alpha and Beta	002
			1	Water	EPA 903.1 Radium-226	
			1	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 900.0 Gross Alpha and Beta	003
			1	Water	EPA 903.1 Radium-226	
			1	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	

Notes:	Relinquished By:	Received By:
		FedEx 7775 6904 3385
	Date: 8/3/22 1500	Date: 8/3/22
	Date:	Date:
	Date:	Date: 8-4-22 17:10

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Analytical Project # _____

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label 2a

Tracking #: 7775 6904 3385 ✓

LIMS Login WPHC

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Thermometer Used — 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# 10D042 | Date and Initials of person examining contents: 8-5-22 2a

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:		✓		2. no container preservative type on COC
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:	✓			10. Tritium - BP1L
-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. 001- Added 5.0 mL HNO_3 to samples (3 Bottles) 002- Added 5.0 mL HNO_3 to Samples (3 Bottles) 003- Added 2.5 mL HNO_3 to samples (2 Bottles) 003- Added 5.0 mL HNO_3 to Sample (1 Bottle)
All containers meet method preservation requirements.		✓		Initial when completed 2a Date/time of preservation 8-5-22 10:15
				Lot # of added preservative DL22-0763
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: 2a Date: 8-5-22 Survey Meter SN: 1563

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

WO#: 30511721

PM: NMY Due Date: 08/26/22

CLIENT: ENTHALPY

☐ **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.

Pace Analytical®

Pace Greensburg Lab -Sample Container Count

WO#: 30511721

PM: NMY Due Date: 08/26/22

CLIENT: ENTHALPY

Client Enthalpy Analytical

Site EO-406631

Profile Number 6364

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	WT											5	1																
2	WT											5	1																
3	WT											5	1																
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserve
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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#: 30511721
PM: NMY Due Date: 08/26/22
CLIENT: ENTHALPY

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	001
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	002
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	003
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FEDEX 7775 6904 3385
	Date: 8/3/22 1500	Date: 8/3/22
	Date:	Date: 8-5-22 1410
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project #

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Label PS
LIMS Login

Tracking #: 7775 7716 4899

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used — 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# 1000421 Date and Initials of person examining contents: PS 8/7/22

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:	✓			5.
-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. Tritium
All containers meet method preservation requirements.	✓			Initial when completed PS Date/time of preservation; Lot # of added preservative
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: PS Date: 8/7/22 Survey Meter SN: 1563

WO#: 30511721
Due Date: 08/26/22
PM: NMY
CLIENT: ENTHALPY

Client Notification/ Resolution:

Person Contacted: Date/Time: Contacted By:

Comments/ Resolution:

* Only BG1U Bottles Sent added to orginal WO.

☐ **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.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

30511721

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	bottle should arrive 08/05
			1	Water	ASTM D5174-97 Uranium	Analysis missing from original COC
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	bottle should arrive 08/05
			1	Water	ASTM D5174-97 Uranium	Analysis missing from original COC
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	bottle should arrive 08/05
			1	Water	ASTM D5174-97 Uranium	Analysis missing from original COC

Notes:	Relinquished By:	Received By:
	Date:	Date:
	Date:	Date:
	Date:	Date:

ANALYTICAL REPORT

August 26, 2022

Pace Analytical - Greensburg, PA

Sample Delivery Group:	L1527679
Samples Received:	08/20/2022
Project Number:	30511721
Description:	EO-466631
Site:	001
Report To:	Nikayla Yasurek

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

MCWP-MW04S L1527679-01 5

MCWP-MW07S L1527679-02 6

MCWP-MW07D L1527679-03 7

Qc: Quality Control Summary 8

Radiochemistry by Method D5174 8

Gl: Glossary of Terms 9

Al: Accreditations & Locations 10

Sc: Sample Chain of Custody 11

MCWP-MW04S L1527679-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/02/22 13:00	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 19:32	RRE	Mt. Juliet, TN

MCWP-MW07S L1527679-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/02/22 11:30	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 19:35	RRE	Mt. Juliet, TN

MCWP-MW07D L1527679-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/02/22 11:35	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 19:37	RRE	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	95.8			1.00	08/24/2022 19:32	WG1914421

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	5.77			1.00	08/24/2022 19:35	WG1914421

Radiochemistry by Method D5174

Analyte	Result ug/l	Qualifier	Uncertainty + / -	RDL ug/l	Analysis Date date / time	Batch
Uranium	2.73			1.00	08/24/2022 19:37	WG1914421

Method Blank (MB)

(MB) R3830595-1 08/24/22 18:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Uranium	U		1.00	1.00

L1527707-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1527707-01 08/24/22 19:42 • (DUP) R3830595-5 08/24/22 19:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Uranium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3830595-2 08/24/22 19:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	30.0	28.4	94.7	80.0-120	

L1527621-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1527621-01 08/24/22 19:12 • (MS) R3830595-3 08/24/22 19:04 • (MSD) R3830595-4 08/24/22 19:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	ND	19.4	19.4	96.8	96.9	1	75.0-125			0.102	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Internal Transfer Chain of Custody

A128

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: CA
Cert. Needed: [x] Yes ☐ No
Owner Received Date: 8/4/2022 **Results Requested By:** 8/26/2022

Workorder: 30511721 **Workorder Name:** EO-466631

Report To	Subcontract To
Nikayla M. Yasurek Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers HNO3	Total Uranium KPA	LAB USE ONLY L522679
1	MCWP-MW04S	PS	8/2/2022 13:00	30511721001	Water	1	X	-01
2	MCWP-MW07S	PS	8/2/2022 11:30	30511721002	Water	1	X	-02
3	MCWP-MW07D	PS	8/2/2022 11:35	30511721003	Water	1	X	-03
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	8/4/22 1600	[signature]	8/5/22 0900
2				
3				

Comments

Cooler Temperature on Receipt ____ °C | **Custody Seal** (Y) or N | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

5 344 4102 5042
23-570-23.5
FR#6

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
PM: Ranjit K Clarke
Email: Ranjit.Clarke@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: (714) 771-9906

WO# : 30511721

30511721

Results Due: Standard TAT
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 900.0 Gross Alpha and Beta	001
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 900.0 Gross Alpha and Beta	002
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 900.0 Gross Alpha and Beta	003
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	

Notes:	Relinquished By:	Received By:
		FedEx 7775 6904 3385
	Date: 8/3/22 1500	Date: 8/3/22
	Date:	Date:
	Date:	Date: 8-4-22 17:10

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Analytical Project # L1527679

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label JA
LIMS Login WPHC

Tracking #: 7775 6904 3385

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Thermometer Used — 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# 100042 | Date and Initials of person examining contents: 8-5-22 JA

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:		✓		2. no container preservative type on COC
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. Tritium - BP1L
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. 001- added 5.0 mL HNO_3 to samples (3 Bottles) 002- added 5.0 mL HNO_3 to samples (3 Bottles) 003- Added 2.5 mL HNO_3 to samples (2 Bottles) 003- Added 5.0 mL HNO_3 to Sample (1 Bottle)
All containers meet method preservation requirements.		✓		Initial when completed JA Date/time of preservation 8-5-22 10:15 Lot # of added preservative DL22-0763
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: JA Date: 8-5-22 Survey Meter SN: 1563

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.

WO#: 30511721
PM: NMY Due Date: 08/26/22
CLIENT: ENTHALPY

Pace Analytical

Pace Greensburg Lab -Sample Container Count

WO# : 30511721

PM: NMY Due Date: 08/26/22

CLIENT: ENTHALPY

L1527679

Client Enthalpy Analytical

Site 60-466631

Profile Number 6364

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	WT											5	1																
2	WT											5	1																
3	WT											5	1																
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserve
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solic
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

4527679

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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#: 30511721
PM: NMY Due Date: 08/26/22
CLIENT: ENTHALPY

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	001
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	002
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	003
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FEDEX 7775 6904 3385
	Date: 8/3/22 1500	Date: 8/3/22
	Date:	Date: 8-5-22 1410
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # U527679

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label PS
LIMS Login

Tracking #: 7775 7716 4899

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Thermometer Used _____ 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# 1000421 Date and Initials of person examining contents: PS 8/7/22

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:	✓			5.
-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. Tritium
All containers meet method preservation requirements.	✓			Initial when completed PS Date/time of preservation: Lot # of added preservative:
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: PS Date: 8/7/22 Survey Meter SN: 1563

WO#: 30511721
Due Date: 08/26/22
PM: NMY
CLIENT: ENTHALPY

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: * only BG1U Bottles Sent added to orginal WO.

☐ 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.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

U527679

30511721

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466631
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-MW04S	02-AUG-2022 13:00	466631-001	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	bottle should arrive 08/05
			1	Water	ASTM D5174-97 Uranium	Analysis missing from original COC
MCWP-MW07S	02-AUG-2022 11:30	466631-002	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	bottle should arrive 08/05
			1	Water	ASTM D5174-97 Uranium	Analysis missing from original COC
MCWP-MW07D	02-AUG-2022 11:35	466631-003	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	bottle should arrive 08/05
			1	Water	ASTM D5174-97 Uranium	Analysis missing from original COC

Notes:	Relinquished By:	Received By:
	Date:	Date:
	Date:	Date:
	Date:	Date:

Laboratory Job Number 466631

Subcontracted Products

Weck Laboratories, Inc.

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 2H03125

Project: EO-466631

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 10/03/2022

Received Date: 8/3/2022

Turnaround Time: Normal

Phones: (714) 771-9906

Fax: (714) 771-9933

P.O. #:

Billing Code:

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/03/22 with the Chain-of-Custody document. The samples were received in good condition, at 5.4 °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:

Rahul R. Nair
Project Manager

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
MCWP-MW04S	Client	2H03125-01	Water	08/02/22 13:00	
MCWP-MW04S Travel Blank	Client	2H03125-02	Water	08/02/22 13:00	
MCWP-MW07S	Client	2H03125-03	Water	08/02/22 11:30	
MCWP-MW07S Travel Blank	Client	2H03125-04	Water	08/02/22 13:00	
MCWP-MW07D	Client	2H03125-05	Water	08/02/22 11:35	
MCWP-MW07D Travel Blank	Client	2H03125-06	Water	08/02/22 13:00	

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

Sample: MCWP-MW04S
2H03125-01 (Water)

Sampled: 08/02/22 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47				**Analyst:** JAN
Bromate	ND	140	500	ug/l	100	08/15/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/15/22	M-05
Surrogate(s)							
Dichloroacetate	*99%*	*Conc: 495*	*90-115*			*08/15/22*	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1673 **Preparation:** _NONE (LC)			**Prepared:** 08/22/22 13:22				**Analyst:** PJS
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l	1	08/25/22	
Aldicarb	ND	0.58	2.0	ug/l	1	08/25/22	
Aldicarb sulfone	ND	0.73	2.0	ug/l	1	08/25/22	
Aldicarb sulfoxide	ND	1.0	2.0	ug/l	1	08/25/22	
Carbaryl	ND	1.0	2.0	ug/l	1	08/25/22	
Carbofuran	ND	1.0	2.0	ug/l	1	08/25/22	
Methiocarb	ND	1.0	2.0	ug/l	1	08/25/22	
Methomyl	ND	1.3	2.0	ug/l	1	08/25/22	
Oxamyl	ND	1.1	2.0	ug/l	1	08/25/22	
Propoxur (Baygon)	ND	1.4	2.0	ug/l	1	08/25/22	
Surrogate(s)							
BDMC	*86%*	*Conc: 8.56*	*70-130*			*08/25/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H0686 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/09/22 08:20				**Analyst:** rjg
2,4,5-T	ND	0.030	0.20	ug/l	1	08/11/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/11/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/11/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/11/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/11/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/11/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/11/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/11/22	
DCPA	ND	0.029	0.10	ug/l	1	08/11/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/11/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/11/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/11/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/11/22	
Picloram	ND	0.050	0.60	ug/l	1	08/11/22	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S
2H03125-01 (Water)

Sampled: 08/02/22 13:00 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Acids Herbicides by GC/ECD (Continued)							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H0686 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/09/22 08:20				**Analyst:** rjg
Surrogate(s)							
2,4-DCAA	*91%*	*Conc: 9.06*	*70-130*			*08/11/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08				**Analyst:** rjg
4,4´-DDD	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
4,4´-DDE	ND	0.0037	0.020	ug/l	2	08/20/22	M-04
4,4´-DDT	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Aldrin	ND	0.0080	0.020	ug/l	2	08/20/22	M-04
alpha-BHC	ND	0.0038	0.020	ug/l	2	08/20/22	M-04
Aroclor 1016	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Aroclor 1221	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Aroclor 1232	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Aroclor 1242	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Aroclor 1248	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Aroclor 1254	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Aroclor 1260	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
beta-BHC	ND	0.0048	0.020	ug/l	2	08/20/22	M-04
Chlordane (tech)	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Chlorothalonil	ND	0.0030	0.10	ug/l	2	08/20/22	M-04
delta-BHC	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Dieldrin	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Endosulfan I	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Endosulfan II	ND	0.0033	0.020	ug/l	2	08/20/22	M-04
Endosulfan sulfate	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Endrin	ND	0.020	0.020	ug/l	2	08/20/22	M-04, R-01
Endrin aldehyde	ND	0.0080	0.020	ug/l	2	08/20/22	M-04
gamma-BHC (Lindane)	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Heptachlor	ND	0.0035	0.020	ug/l	2	08/20/22	M-04
Heptachlor epoxide	ND	0.0038	0.020	ug/l	2	08/20/22	M-04
Hexachlorobenzene	ND	0.0080	0.10	ug/l	2	08/20/22	M-04
Hexachlorocyclopentadiene	ND	0.013	0.10	ug/l	2	08/20/22	M-04
Methoxychlor	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
PCBs, Total	ND		1.0	ug/l	2	08/20/22	M-04
Propachlor	ND	0.040	0.10	ug/l	2	08/20/22	M-04
Toxaphene	ND	2.0	2.0	ug/l	2	08/20/22	M-04, R-01

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S — Sampled: 08/02/22 13:00 by Client

2H03125-01 (Water) (Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08				**Analyst:** rjg
Trifluralin	ND	0.0040	0.020	ug/l	2	08/20/22	M-04
Surrogate(s)							
4,4-Dibromobiphenyl	*96%*	*Conc: 0.0963*	*70-130*			*08/20/22*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0401 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/04/22 07:22				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/17/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/17/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/13/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H0546 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 10:42				**Analyst:** PJS
Glyphosate	ND	1.8	5.0	ug/l	1	08/05/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/05/22 07:47				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/10/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H0521 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/05/22 07:47				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/10/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/10/22	
Monochloroacetic acid (mcaa)	ND	0.31	2.0	ug/l	1	08/10/22	
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Surrogate(s)							
2-Bromobutyric acid	*113%*	*Conc: 11.3*	*70-130*			*08/10/22*	
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W2H0547 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 11:02				**Analyst:** JAN
Chromium 6+	ND	0.0079	0.020	ug/l	1	08/05/22	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S
2H03125-01 (Water)

Sampled: 08/02/22 13:00 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Nitrosamines by isotopic dilution GC/MS CI Mode (Continued)							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l	1	08/11/22	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/06/22	
Surrogate(s)							
17-b-Estradiol-d3	*140%*	*Conc: 280*	*20-500*			*08/06/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26				**Analyst:** jna
Triclosan	ND	8.0	8.0	ng/l	1	08/04/22	
Surrogate(s)							
Triclosan-d3	*95%*	*Conc: 378*	*20-500*			*08/04/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0445 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:27				**Analyst:** jna
Caffeine	**7.2**	4.0	4.0	ng/l	1	08/04/22	
DEET	ND	4.0	4.0	ng/l	1	08/04/22	
Surrogate(s)							
Caffeine-13C3	*201%*	*Conc: 402*	*20-500*			*08/04/22*	
DEET-d7	*113%*	*Conc: 22.5*	*20-500*			*08/04/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0720 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/09/22 06:55				**Analyst:** rmr
Alachlor	ND	0.030	0.10	ug/l	1	08/10/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/10/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/10/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/10/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/10/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/10/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/10/22	
Captan	ND	0.32	1.0	ug/l	1	08/10/22	
Chlorpropham	ND	0.040	0.10	ug/l	1	08/10/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/10/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/10/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/10/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/10/22	
EPTC	ND	0.020	0.10	ug/l	1	08/10/22	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S
2H03125-01 (Water)

Sampled: 08/02/22 13:00 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0720 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/09/22 06:55				**Analyst:** rmr
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/10/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/10/22	
Metribuzin	ND	0.030	0.10	ug/l	1	08/10/22	
Molinate	ND	0.030	0.10	ug/l	1	08/10/22	
Prometryn	ND	0.030	0.10	ug/l	1	08/10/22	
Simazine	ND	0.020	0.10	ug/l	1	08/10/22	
Terbacil	ND	0.090	2.0	ug/l	1	08/10/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/10/22	
Trithion	ND	0.020	0.10	ug/l	1	08/10/22	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*100%*	*Conc: 5.05*	*70-130*			*08/10/22*	
Perylene-d12	*98%*	*Conc: 4.98*	*50-120*			*08/10/22*	
Triphenyl phosphate	*105%*	*Conc: 5.29*	*70-130*			*08/10/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.400*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*82%*	*Conc: 0.327*	*70-130*			*08/13/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S
2H03125-01RE1 (Water)

Sampled: 08/02/22 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0772 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/09/22 12:03			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/13/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/13/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/13/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/13/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/13/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/13/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/13/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/13/22	
2,4-Dinitrophenol	ND	1.9	10	ug/l	1	08/13/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/13/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/13/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/13/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/13/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l	1	08/13/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/13/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/13/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/13/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/13/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/13/22	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	08/13/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/13/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/13/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/13/22	
Benzidine	ND	3.2	10	ug/l	1	08/13/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/13/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/13/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/13/22	
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l	1	08/13/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/13/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/13/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/13/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/13/22	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	08/13/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/13/22	
Chrysene	ND	0.19	1.0	ug/l	1	08/13/22	

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S

Sampled: 08/02/22 13:00 by Client

2H03125-01RE1 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0772 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/09/22 12:03			**Analyst:** rmr	
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l	1	08/13/22	
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/13/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/13/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/13/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/13/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/13/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/13/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/13/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/13/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/13/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/13/22	
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l	1	08/13/22	
Isophorone	ND	0.21	1.0	ug/l	1	08/13/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/13/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/13/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/13/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/13/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/13/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/13/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/13/22	
Phenol	ND	0.81	1.0	ug/l	1	08/13/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/13/22	
Surrogate(s)							
2,4,6-Tribromophenol	*81%*	*Conc: 33.3*	*25-120*			*08/13/22*	
2-Fluorobiphenyl	*72%*	*Conc: 14.9*	*22-120*			*08/13/22*	
2-Fluorophenol	*47%*	*Conc: 19.2*	*17-120*			*08/13/22*	
Nitrobenzene-d5	*78%*	*Conc: 16.0*	*47-120*			*08/13/22*	
Phenol-d5	*31%*	*Conc: 12.8*	*12-120*			*08/13/22*	
Terphenyl-d14	*88%*	*Conc: 18.1*	*44-129*			*08/13/22*	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18			**Analyst:** jna	
Sucralose	**5000**	400	400	ng/l	20	08/08/22	M-06
Surrogate(s)							
Sucralose-d6	*64%*	*Conc: 643*	*20-500*			*08/08/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW04S Travel Blank
2H03125-02 (Water)

Sampled: 08/02/22 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.401*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*87%*	*Conc: 0.346*	*70-130*			*08/13/22*	

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S
2H03125-03 (Water)

Sampled: 08/02/22 11:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47				**Analyst:** JAN
Bromate	ND	140	500	ug/l	100	08/15/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/15/22	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 521*	*90-115*			*08/15/22*	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1255 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 18:32				**Analyst:** PJS
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l	1	08/16/22	
Aldicarb	ND	0.58	2.0	ug/l	1	08/16/22	
Aldicarb sulfone	ND	0.73	2.0	ug/l	1	08/16/22	
Aldicarb sulfoxide	ND	1.0	2.0	ug/l	1	08/16/22	
Carbaryl	ND	1.0	2.0	ug/l	1	08/16/22	
Carbofuran	ND	1.0	2.0	ug/l	1	08/16/22	
Methiocarb	ND	1.0	2.0	ug/l	1	08/16/22	
Methomyl	ND	1.3	2.0	ug/l	1	08/16/22	
Oxamyl	ND	1.1	2.0	ug/l	1	08/16/22	
Propoxur (Baygon)	ND	1.4	2.0	ug/l	1	08/16/22	
Surrogate(s)							
BDMC	*81%*	*Conc: 8.08*	*70-130*			*08/16/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H0686 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/09/22 08:20				**Analyst:** rjg
2,4,5-T	ND	0.030	0.20	ug/l	1	08/11/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/11/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/11/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/11/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/11/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/11/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/11/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/11/22	
DCPA	ND	0.029	0.10	ug/l	1	08/11/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/11/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/11/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/11/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/11/22	
Picloram	ND	0.050	0.60	ug/l	1	08/11/22	

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S
2H03125-03 (Water)

Sampled: 08/02/22 11:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Acids Herbicides by GC/ECD (Continued)							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H0686 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/09/22 08:20			**Analyst:** rjg	
Surrogate(s)							
2,4-DCAA	*88%*	*Conc: 8.75*	*70-130*			*08/11/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08			**Analyst:** rjg	
4,4´-DDD	ND	0.0030	0.010	ug/l	1	08/20/22	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/20/22	
4,4´-DDT	ND	0.0030	0.010	ug/l	1	08/20/22	
Aldrin	ND	0.0040	0.010	ug/l	1	08/20/22	
alpha-BHC	ND	0.0019	0.010	ug/l	1	08/20/22	
Aroclor 1016	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1221	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1232	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1242	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1248	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1254	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1260	ND	0.50	0.50	ug/l	1	08/20/22	R-01
beta-BHC	ND	0.0024	0.010	ug/l	1	08/20/22	
Chlordane (tech)	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Chlorothalonil	ND	0.0015	0.050	ug/l	1	08/20/22	
delta-BHC	ND	0.0030	0.010	ug/l	1	08/20/22	
Dieldrin	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan I	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan II	ND	0.0016	0.010	ug/l	1	08/20/22	
Endosulfan sulfate	ND	0.0030	0.010	ug/l	1	08/20/22	
Endrin	ND	0.0013	0.010	ug/l	1	08/20/22	
Endrin aldehyde	ND	0.0040	0.010	ug/l	1	08/20/22	
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l	1	08/20/22	
Heptachlor	ND	0.0017	0.010	ug/l	1	08/20/22	
Heptachlor epoxide	ND	0.0019	0.010	ug/l	1	08/20/22	
Hexachlorobenzene	ND	0.0040	0.050	ug/l	1	08/20/22	
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l	1	08/20/22	
Methoxychlor	ND	0.0030	0.010	ug/l	1	08/20/22	
PCBs, Total	ND		0.50	ug/l	1	08/20/22	
Propachlor	ND	0.020	0.050	ug/l	1	08/20/22	
Toxaphene	ND	1.0	1.0	ug/l	1	08/20/22	R-01

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S

Sampled: 08/02/22 11:30 by Client

2H03125-03 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08				**Analyst:** rjg
Trifluralin	ND	0.0020	0.010	ug/l	1	08/20/22	
Surrogate(s)							
4,4-Dibromobiphenyl	*99%*	*Conc: 0.101*	*70-130*			*08/20/22*	
Diquat and Paraquat by EPA 549.2							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0401 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/04/22 07:22				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/17/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/17/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/11/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H0546 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 10:42				**Analyst:** PJS
Glyphosate	ND	1.8	5.0	ug/l	1	08/05/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/05/22 07:47				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/10/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H0521 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/05/22 07:47				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/10/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/10/22	
Monochloroacetic acid (mcaa)	**0.42**	0.31	2.0	ug/l	1	08/10/22	J
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Surrogate(s)							
2-Bromobutyric acid	*104%*	*Conc: 10.4*	*70-130*			*08/10/22*	
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W2H0547 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 11:02				**Analyst:** JAN
Chromium 6+	**0.39**	0.0079	0.020	ug/l	1	08/05/22	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S
2H03125-03 (Water)

Sampled: 08/02/22 11:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Nitrosamines by isotopic dilution GC/MS CI Mode (Continued)							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	**0.67**	0.66	2.0	ng/l	1	08/11/22	J
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/06/22	
Surrogate(s)							
17-b-Estradiol-d3	*109%*	*Conc: 217*	*20-500*			*08/06/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26				**Analyst:** jna
Triclosan	ND	8.0	8.0	ng/l	1	08/04/22	
Surrogate(s)							
Triclosan-d3	*78%*	*Conc: 310*	*20-500*			*08/04/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0445 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:27				**Analyst:** jna
Caffeine	**18**	4.0	4.0	ng/l	1	08/04/22	
DEET	**15**	4.0	4.0	ng/l	1	08/04/22	
Surrogate(s)							
Caffeine-13C3	*101%*	*Conc: 202*	*20-500*			*08/04/22*	
DEET-d7	*93%*	*Conc: 18.6*	*20-500*			*08/04/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0720 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/09/22 06:55				**Analyst:** rmr
Alachlor	ND	0.030	0.10	ug/l	1	08/10/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/10/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/10/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/10/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/10/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/10/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/10/22	
Captan	ND	0.32	1.0	ug/l	1	08/10/22	
Chlorpropham	ND	0.040	0.10	ug/l	1	08/10/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/10/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/10/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/10/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/10/22	
EPTC	ND	0.020	0.10	ug/l	1	08/10/22	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S
2H03125-03 (Water)

Sampled: 08/02/22 11:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0720 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/09/22 06:55				**Analyst:** rmr
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/10/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/10/22	
Metribuzin	ND	0.030	0.10	ug/l	1	08/10/22	
Molinate	ND	0.030	0.10	ug/l	1	08/10/22	
Prometryn	ND	0.030	0.10	ug/l	1	08/10/22	
Simazine	ND	0.020	0.10	ug/l	1	08/10/22	
Terbacil	ND	0.090	2.0	ug/l	1	08/10/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/10/22	
Trithion	ND	0.020	0.10	ug/l	1	08/10/22	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*103%*	*Conc: 5.22*	*70-130*			*08/10/22*	
Perylene-d12	*101%*	*Conc: 5.10*	*50-120*			*08/10/22*	
Triphenyl phosphate	*109%*	*Conc: 5.54*	*70-130*			*08/10/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*88%*	*Conc: 0.351*	*70-130*			*08/13/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S
2H03125-03RE1 (Water)

Sampled: 08/02/22 11:30 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0772 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/09/22 12:03			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/13/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/13/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/13/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/13/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/13/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/13/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/13/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/13/22	
2,4-Dinitrophenol	ND	1.9	10	ug/l	1	08/13/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/13/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/13/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/13/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/13/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l	1	08/13/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/13/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/13/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/13/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/13/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/13/22	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	08/13/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/13/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/13/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/13/22	
Benzidine	ND	3.2	10	ug/l	1	08/13/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/13/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/13/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/13/22	
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l	1	08/13/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/13/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/13/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/13/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/13/22	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	08/13/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/13/22	
Chrysene	**0.22**	0.19	1.0	ug/l	1	08/13/22	J

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S
2H03125-03RE1 (Water)

Sampled: 08/02/22 11:30 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0772 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/09/22 12:03			**Analyst:** rmr	
Dibenzo (a,h) anthracene	**0.29**	0.15	2.0	ug/l	1	08/13/22	J
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/13/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/13/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/13/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/13/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/13/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/13/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/13/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/13/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/13/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/13/22	
Indeno (1,2,3-cd) pyrene	**0.45**	0.25	2.0	ug/l	1	08/13/22	J
Isophorone	ND	0.21	1.0	ug/l	1	08/13/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/13/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/13/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/13/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/13/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/13/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/13/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/13/22	
Phenol	ND	0.81	1.0	ug/l	1	08/13/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/13/22	
Surrogate(s)							
2,4,6-Tribromophenol	*75%*	*Conc: 29.2*	*25-120*			*08/13/22*	
2-Fluorobiphenyl	*72%*	*Conc: 14.0*	*22-120*			*08/13/22*	
2-Fluorophenol	*49%*	*Conc: 19.2*	*17-120*			*08/13/22*	
Nitrobenzene-d5	*79%*	*Conc: 15.6*	*47-120*			*08/13/22*	
Phenol-d5	*32%*	*Conc: 12.5*	*12-120*			*08/13/22*	
Terphenyl-d14	*96%*	*Conc: 18.9*	*44-129*			*08/13/22*	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18			**Analyst:** jna	
Sucralose	**1500**	200	200	ng/l	10	08/08/22	M-06
Surrogate(s)							
Sucralose-d6	*42%*	*Conc: 418*	*20-500*			*08/08/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07S Travel Blank
2H03125-04 (Water)

Sampled: 08/02/22 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*84%*	*Conc: 0.336*	*70-130*			*08/13/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0406 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/04/22 08:20				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/09/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/09/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/09/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/09/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/09/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/09/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/09/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/09/22	
2,4-Dinitrophenol	ND	1.9	5.0	ug/l	1	08/09/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/09/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/09/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/09/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/09/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	1.0	ug/l	1	08/09/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/09/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/09/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/09/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/09/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/09/22	
4-Nitrophenol	ND	1.2	2.0	ug/l	1	08/09/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/09/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/09/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/09/22	
Benzidine	ND	3.2	10	ug/l	1	08/09/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/09/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/09/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/09/22	
Benzo (g,h,i) perylene	ND	0.42	1.0	ug/l	1	08/09/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/09/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/09/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/09/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/09/22	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	08/09/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/09/22	
Chrysene	ND	0.19	1.0	ug/l	1	08/09/22	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0406 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/04/22 08:20			**Analyst:** rmr	
Dibenzo (a,h) anthracene	ND	0.15	1.0	ug/l	1	08/09/22	
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/09/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/09/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/09/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/09/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/09/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/09/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/09/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/09/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/09/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/09/22	
Indeno (1,2,3-cd) pyrene	ND	0.25	1.0	ug/l	1	08/09/22	
Isophorone	ND	0.21	1.0	ug/l	1	08/09/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/09/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/09/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/09/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/09/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/09/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/09/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/09/22	
Phenol	ND	0.81	1.0	ug/l	1	08/09/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/09/22	
Surrogate(s)							
2,4,6-Tribromophenol	*84%*	*Conc: 31.8*	*25-120*			*08/09/22*	
2-Fluorobiphenyl	*87%*	*Conc: 16.5*	*22-120*			*08/09/22*	
2-Fluorophenol	*58%*	*Conc: 22.0*	*17-120*			*08/09/22*	
Nitrobenzene-d5	*104%*	*Conc: 19.8*	*47-120*			*08/09/22*	
Phenol-d5	*41%*	*Conc: 15.4*	*12-120*			*08/09/22*	
Terphenyl-d14	*101%*	*Conc: 19.2*	*44-129*			*08/09/22*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Bromate	ND	140	500	ug/l	100	08/16/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/16/22	M-05
Surrogate(s)							
Dichloroacetate	*106%*	*Conc: 532*	*90-115*			*08/16/22*	

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1 (Continued)							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47				**Analyst:** JAN
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1255 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 18:32				**Analyst:** PJS
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l	1	08/16/22	
Aldicarb	ND	0.58	2.0	ug/l	1	08/16/22	
Aldicarb sulfone	ND	0.73	2.0	ug/l	1	08/16/22	
Aldicarb sulfoxide	ND	1.0	2.0	ug/l	1	08/16/22	
Carbaryl	ND	1.0	2.0	ug/l	1	08/16/22	
Carbofuran	ND	1.0	2.0	ug/l	1	08/16/22	
Methiocarb	ND	1.0	2.0	ug/l	1	08/16/22	
Methomyl	ND	1.3	2.0	ug/l	1	08/16/22	
Oxamyl	ND	1.1	2.0	ug/l	1	08/16/22	
Propoxur (Baygon)	ND	1.4	2.0	ug/l	1	08/16/22	
Surrogate(s)							
BDMC	*82%*	*Conc: 8.19*	*70-130*			*08/16/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H0686 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/09/22 08:20				**Analyst:** rjg
2,4,5-T	ND	0.030	0.20	ug/l	1	08/11/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/11/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/11/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/11/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/11/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/11/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/11/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/11/22	
DCPA	ND	0.029	0.10	ug/l	1	08/11/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/11/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/11/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/11/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/11/22	
Picloram	ND	0.050	0.60	ug/l	1	08/11/22	
Surrogate(s)							
2,4-DCAA	*94%*	*Conc: 9.38*	*70-130*			*08/11/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Method: EPA 508.1 **Instr:** GC08

Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE **Prepared:** 08/16/22 08:08 **Analyst:** rjg

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
4,4´-DDD	ND	0.0030	0.010	ug/l	1	08/20/22	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/20/22	
4,4´-DDT	ND	0.0030	0.010	ug/l	1	08/20/22	
Aldrin	ND	0.0040	0.010	ug/l	1	08/20/22	
alpha-BHC	ND	0.0019	0.010	ug/l	1	08/20/22	
Aroclor 1016	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1221	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1232	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1242	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1248	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1254	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Aroclor 1260	ND	0.50	0.50	ug/l	1	08/20/22	R-01
beta-BHC	ND	0.0024	0.010	ug/l	1	08/20/22	
Chlordane (tech)	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Chlorothalonil	ND	0.0015	0.050	ug/l	1	08/20/22	
delta-BHC	ND	0.0030	0.010	ug/l	1	08/20/22	
Dieldrin	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan I	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan II	ND	0.0016	0.010	ug/l	1	08/20/22	
Endosulfan sulfate	ND	0.0030	0.010	ug/l	1	08/20/22	
Endrin	ND	0.0013	0.010	ug/l	1	08/20/22	
Endrin aldehyde	ND	0.0040	0.010	ug/l	1	08/20/22	
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l	1	08/20/22	
Heptachlor	ND	0.010	0.010	ug/l	1	08/20/22	R-01
Heptachlor epoxide	ND	0.0019	0.010	ug/l	1	08/20/22	
Hexachlorobenzene	ND	0.0040	0.050	ug/l	1	08/20/22	
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l	1	08/20/22	
Methoxychlor	ND	0.0030	0.010	ug/l	1	08/20/22	
PCBs, Total	ND		0.50	ug/l	1	08/20/22	
Propachlor	ND	0.020	0.050	ug/l	1	08/20/22	
Toxaphene	ND	1.0	1.0	ug/l	1	08/20/22	R-01
Trifluralin	ND	0.0020	0.010	ug/l	1	08/20/22	

Surrogate(s)

4,4-Dibromobiphenyl	*101%*	*Conc: 0.0988*	*70-130*		*08/20/22*

Diquat and Paraquat by EPA 549.2

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0401 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/04/22 07:22				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/17/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/17/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/11/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H0546 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 10:42				**Analyst:** PJS
Glyphosate	ND	1.8	5.0	ug/l	1	08/05/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/05/22 07:47				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/10/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H0521 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/05/22 07:47				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/10/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/10/22	
Monochloroacetic acid (mcaa)	**0.41**	0.31	2.0	ug/l	1	08/10/22	J
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Surrogate(s)							
2-Bromobutyric acid	*105%*	*Conc: 10.5*	*70-130*			*08/10/22*	
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W2H0547 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 11:02				**Analyst:** JAN
Chromium 6+	ND	0.0079	0.020	ug/l	1	08/05/22	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	**0.98**	0.66	2.0	ng/l	1	08/11/22	J
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/06/22	
Surrogate(s)							

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-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS (Continued)							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18			**Analyst:** jna	
17-b-Estradiol-d3	*111%*	*Conc: 221*	*20-500*			*08/06/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26			**Analyst:** jna	
Triclosan	ND	8.0	8.0	ng/l	1	08/04/22	
Surrogate(s)							
Triclosan-d3	*72%*	*Conc: 286*	*20-500*			*08/04/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0445 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:27			**Analyst:** jna	
Caffeine	ND	4.0	4.0	ng/l	1	08/04/22	
DEET	**7.2**	4.0	4.0	ng/l	1	08/04/22	
Surrogate(s)							
Caffeine-13C3	*122%*	*Conc: 244*	*20-500*			*08/04/22*	
DEET-d7	*101%*	*Conc: 20.1*	*20-500*			*08/04/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0720 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/09/22 06:55			**Analyst:** rmr	
Alachlor	ND	0.030	0.10	ug/l	1	08/10/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/10/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/10/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/10/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/10/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/10/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/10/22	
Captan	ND	0.32	1.0	ug/l	1	08/10/22	
Chlorpropham	ND	0.040	0.10	ug/l	1	08/10/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/10/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/10/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/10/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/10/22	
EPTC	ND	0.020	0.10	ug/l	1	08/10/22	
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/10/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/10/22	
Metribuzin	ND	0.030	0.10	ug/l	1	08/10/22	
Molinate	ND	0.030	0.10	ug/l	1	08/10/22	
Prometryn	ND	0.030	0.10	ug/l	1	08/10/22	
Simazine	ND	0.020	0.10	ug/l	1	08/10/22	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05 (Water)

Sampled: 08/02/22 11:35 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0720 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/09/22 06:55				**Analyst:** rmr
Terbacil	ND	0.090	2.0	ug/l	1	08/10/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/10/22	
Trithion	ND	0.020	0.10	ug/l	1	08/10/22	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*101%*	*Conc: 5.32*	*70-130*			*08/10/22*	
Perylene-d12	*104%*	*Conc: 5.44*	*50-120*			*08/10/22*	
Triphenyl phosphate	*109%*	*Conc: 5.73*	*70-130*			*08/10/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*84%*	*Conc: 0.337*	*70-130*			*08/13/22*	

Sample Results

(Continued)

Sample: MCWP-MW07D
2H03125-05RE1 (Water)

Sampled: 08/02/22 11:35 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
Sucralose	**31000**	2000	2000	ng/l	100	08/08/22	M-06
Surrogate(s)							
Sucralose-d6	*101%*	*Conc: 1010*	*20-500*			*08/08/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Sample Results

(Continued)

Sample: MCWP-MW07D Travel Blank
2H03125-06 (Water)

Sampled: 08/02/22 13:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*86%*	*Conc: 0.345*	*70-130*			*08/13/22*	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0406 - EPA 625.1											
Blank (W2H0406-BLK1)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	1.9	5.0	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	0.50	1.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	2.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.39	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.42	1.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	4.64	2.3	5.0	ug/l							B-06, J
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.15	1.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0406 - EPA 625.1 (Continued)											
Blank (W2H0406-BLK1)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.25	1.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.81	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*21.5*			*ug/l*	*40.0*		*54*	*25-120*			
2-Fluorobiphenyl	*11.8*			*ug/l*	*20.0*		*59*	*22-120*			
2-Fluorophenol	*18.1*			*ug/l*	*40.0*		*45*	*17-120*			
Nitrobenzene-d5	*13.9*			*ug/l*	*20.0*		*69*	*47-120*			
Phenol-d5	*12.0*			*ug/l*	*40.0*		*30*	*12-120*			
Terphenyl-d14	*19.4*			*ug/l*	*20.0*		*97*	*44-129*			
LCS (W2H0406-BS1)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
1,2,4-Trichlorobenzene	13.6	0.49	1.0	ug/l	20.0		68	57-130			
1,2-Dichlorobenzene	13.9	0.46	1.0	ug/l	20.0		69	57-120			
1,3-Dichlorobenzene	13.1	0.42	1.0	ug/l	20.0		65	55-120			
1,4-Dichlorobenzene	12.9	0.48	1.0	ug/l	20.0		64	55-120			
2,4,6-Trichlorophenol	15.0	0.22	1.0	ug/l	20.0		75	52-129			
2,4-Dichlorophenol	15.0	0.26	1.0	ug/l	20.0		75	53-122			
2,4-Dimethylphenol	12.6	0.76	1.0	ug/l	20.0		63	42-120			
2,4-Dinitrophenol	19.7	1.9	5.0	ug/l	20.0		98	0.1-173			
2,4-Dinitrotoluene	16.4	0.46	1.0	ug/l	20.0		82	48-127			
2,6-Dinitrotoluene	14.2	0.27	1.0	ug/l	20.0		71	68-137			
2-Chloronaphthalene	13.4	0.45	1.0	ug/l	20.0		67	65-120			
2-Chlorophenol	13.9	0.28	1.0	ug/l	20.0		70	36-120			
2-Methyl-4,6-dinitrophenol	18.0	0.50	1.0	ug/l	20.0		90	53-130			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0406 - EPA 625.1 (Continued)											
LCS (W2H0406-BS1)					**Prepared: 08/04/22**	**Analyzed: 08/08/22**					
2-Nitrophenol	16.1	0.26	1.0	ug/l	20.0		80	45-167			
3,3'-Dichlorobenzidine	11.7	1.0	5.0	ug/l	20.0		59	8-213			
4-Bromophenyl phenyl ether	15.2	0.36	1.0	ug/l	20.0		76	65-120			
4-Chloro-3-methylphenol	14.9	0.23	1.0	ug/l	20.0		75	41-128			
4-Chlorophenyl phenyl ether	13.4	0.41	1.0	ug/l	20.0		67	38-145			
4-Nitrophenol	7.22	1.2	2.0	ug/l	20.0		36	13-129			
Acenaphthene	15.6	0.38	1.0	ug/l	20.0		78	60-132			
Acenaphthylene	14.5	0.35	1.0	ug/l	20.0		73	54-126			
Anthracene	15.9	0.41	1.0	ug/l	20.0		79	43-120			
Benzidine	0.633	0.0	10	ug/l	20.0		3	0.1-200			J
Benzo (a) anthracene	17.5	0.19	1.0	ug/l	20.0		87	42-133			
Benzo (a) pyrene	19.7	0.39	1.0	ug/l	20.0		98	32-148			
Benzo (b) fluoranthene	19.7	0.46	1.0	ug/l	20.0		98	42-140			AN-IP
Benzo (g,h,i) perylene	17.3	0.42	1.0	ug/l	20.0		87	0.1-195			
Benzo (k) fluoranthene	18.1	0.22	1.0	ug/l	20.0		90	25-146			AN-IP
Bis(2-chloroethoxy)methane	13.8	0.25	1.0	ug/l	20.0		69	49-165			
Bis(2-chloroethyl)ether	13.1	0.27	1.0	ug/l	20.0		65	43-126			
Bis(2-chloroisopropyl)ether	14.3	0.38	1.0	ug/l	20.0		72	63-139			
Bis(2-ethylhexyl)phthalate	20.9	2.0	5.0	ug/l	20.0		104	29-137			
Butyl benzyl phthalate	18.9	0.49	1.0	ug/l	20.0		94	0.1-140			
Chrysene	16.2	0.19	1.0	ug/l	20.0		81	44-140			
Dibenzo (a,h) anthracene	16.3	0.15	1.0	ug/l	20.0		81	0.1-200			
Diethyl phthalate	15.1	0.35	1.0	ug/l	20.0		76	0.1-120			
Dimethyl phthalate	13.8	0.18	1.0	ug/l	20.0		69	0.1-120			
Di-n-butyl phthalate	17.0	0.34	1.0	ug/l	20.0		85	8-120			
Di-n-octyl phthalate	18.7	0.46	1.0	ug/l	20.0		94	19-132			
Fluoranthene	18.4	0.35	1.0	ug/l	20.0		92	43-121			
Fluorene	15.2	0.35	1.0	ug/l	20.0		76	70-120			
Hexachlorobenzene	15.6	0.49	1.0	ug/l	20.0		78	8-142			
Hexachlorobutadiene	13.9	0.47	1.0	ug/l	20.0		70	38-120			
Hexachlorocyclopentadiene	7.89	0.31	5.0	ug/l	20.0		39	10-120			
Hexachloroethane	13.5	0.50	1.0	ug/l	20.0		67	55-120			
Indeno (1,2,3-cd) pyrene	16.1	0.25	1.0	ug/l	20.0		80	0.1-151			
Isophorone	12.3	0.21	1.0	ug/l	20.0		62	47-180			
Naphthalene	13.8	0.49	1.0	ug/l	20.0		69	36-120			
Nitrobenzene	14.5	0.36	1.0	ug/l	20.0		72	54-158			
N-Nitrosodimethylamine	9.20	0.50	1.0	ug/l	20.0		46	22-120			
N-Nitrosodi-n-propylamine	15.2	0.26	1.0	ug/l	20.0		76	14-198			
N-Nitrosodiphenylamine	12.9	0.19	1.0	ug/l	20.0		65	47-120			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0406 - EPA 625.1 (Continued)											
LCS (W2H0406-BS1)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
Pentachlorophenol	15.2	0.40	1.0	ug/l	20.0		76	41-120			
Phenanthrene	15.3	0.32	1.0	ug/l	20.0		76	65-120			
Phenol	5.86	0.81	1.0	ug/l	20.0		29	17-120			
Pyrene	16.6	0.25	1.0	ug/l	20.0		83	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*30.2*			*ug/l*	*40.0*		*75*	*25-120*			
2-Fluorobiphenyl	*14.2*			*ug/l*	*20.0*		*71*	*22-120*			
2-Fluorophenol	*19.7*			*ug/l*	*40.0*		*49*	*17-120*			
Nitrobenzene-d5	*15.4*			*ug/l*	*20.0*		*77*	*47-120*			
Phenol-d5	*13.0*			*ug/l*	*40.0*		*33*	*12-120*			
Terphenyl-d14	*17.2*			*ug/l*	*20.0*		*86*	*44-129*			
LCS Dup (W2H0406-BSD1)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
1,2,4-Trichlorobenzene	13.4	0.49	1.0	ug/l	20.0		67	57-130	1	30	
1,2-Dichlorobenzene	13.0	0.46	1.0	ug/l	20.0		65	57-120	6	30	
1,3-Dichlorobenzene	12.2	0.42	1.0	ug/l	20.0		61	55-120	7	30	
1,4-Dichlorobenzene	12.1	0.48	1.0	ug/l	20.0		61	55-120	6	30	
2,4,6-Trichlorophenol	15.9	0.22	1.0	ug/l	20.0		80	52-129	6	30	
2,4-Dichlorophenol	15.3	0.26	1.0	ug/l	20.0		77	53-122	2	30	
2,4-Dimethylphenol	12.4	0.76	1.0	ug/l	20.0		62	42-120	1	30	
2,4-Dinitrophenol	22.7	1.9	5.0	ug/l	20.0		114	0.1-173	14	30	
2,4-Dinitrotoluene	18.5	0.46	1.0	ug/l	20.0		93	48-127	12	30	
2,6-Dinitrotoluene	16.2	0.27	1.0	ug/l	20.0		81	68-137	13	30	
2-Chloronaphthalene	14.2	0.45	1.0	ug/l	20.0		71	65-120	6	30	
2-Chlorophenol	13.2	0.28	1.0	ug/l	20.0		66	36-120	5	30	
2-Methyl-4,6-dinitrophenol	20.7	0.50	1.0	ug/l	20.0		104	53-130	14	30	
2-Nitrophenol	16.6	0.26	1.0	ug/l	20.0		83	45-167	3	30	
3,3'-Dichlorobenzidine	14.2	2.5	5.0	ug/l	20.0		71	8-213	19	30	
4-Bromophenyl phenyl ether	16.8	0.36	1.0	ug/l	20.0		84	65-120	10	30	
4-Chloro-3-methylphenol	15.5	0.23	1.0	ug/l	20.0		78	41-128	4	30	
4-Chlorophenyl phenyl ether	14.7	0.41	1.0	ug/l	20.0		74	38-145	9	30	
4-Nitrophenol	8.33	1.2	2.0	ug/l	20.0		42	13-129	14	30	
Acenaphthene	16.7	0.38	1.0	ug/l	20.0		84	60-132	7	30	
Acenaphthylene	15.6	0.35	1.0	ug/l	20.0		78	54-126	7	30	
Anthracene	18.3	0.41	1.0	ug/l	20.0		91	43-120	14	30	
Benzidine	1.30	0.0	10	ug/l	20.0		6	0.1-200	69	30	J
Benzo (a) anthracene	21.0	0.19	1.0	ug/l	20.0		105	42-133	18	30	
Benzo (a) pyrene	24.4	0.39	1.0	ug/l	20.0		122	32-148	21	30	
Benzo (b) fluoranthene	23.3	0.46	1.0	ug/l	20.0		117	42-140	17	30	AN-IP
Benzo (g,h,i) perylene	21.0	0.42	1.0	ug/l	20.0		105	0.1-195	19	30	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0406 - EPA 625.1 (Continued)											
LCS Dup (W2H0406-BSD1)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
Benzo (k) fluoranthene	21.9	0.22	1.0	ug/l	20.0		110	25-146	19	30	AN-IP
Bis(2-chloroethoxy)methane	14.4	0.25	1.0	ug/l	20.0		72	49-165	4	30	
Bis(2-chloroethyl)ether	12.7	0.27	1.0	ug/l	20.0		64	43-126	3	30	
Bis(2-chloroisopropyl)ether	14.3	0.38	1.0	ug/l	20.0		71	63-139	0.2	30	
Bis(2-ethylhexyl)phthalate	24.3	2.3	5.0	ug/l	20.0		121	29-137	15	30	
Butyl benzyl phthalate	22.8	0.49	1.0	ug/l	20.0		114	0.1-140	19	30	
Chrysene	19.0	0.19	1.0	ug/l	20.0		95	44-140	16	30	
Dibenzo (a,h) anthracene	20.5	0.15	1.0	ug/l	20.0		103	0.1-200	23	30	
Diethyl phthalate	16.9	0.35	1.0	ug/l	20.0		85	0.1-120	11	30	
Dimethyl phthalate	15.4	0.18	1.0	ug/l	20.0		77	0.1-120	11	30	
Di-n-butyl phthalate	20.3	0.34	1.0	ug/l	20.0		101	8-120	18	30	
Di-n-octyl phthalate	22.7	0.46	1.0	ug/l	20.0		114	19-132	19	30	
Fluoranthene	21.8	0.35	1.0	ug/l	20.0		109	43-121	17	30	
Fluorene	16.6	0.35	1.0	ug/l	20.0		83	70-120	8	30	
Hexachlorobenzene	17.3	0.49	1.0	ug/l	20.0		87	8-142	11	30	
Hexachlorobutadiene	13.8	0.47	1.0	ug/l	20.0		69	38-120	0.5	30	
Hexachlorocyclopentadiene	8.89	0.31	5.0	ug/l	20.0		44	10-120	12	30	
Hexachloroethane	12.5	0.50	1.0	ug/l	20.0		63	55-120	7	30	
Indeno (1,2,3-cd) pyrene	19.5	0.25	1.0	ug/l	20.0		97	0.1-151	19	30	
Isophorone	13.1	0.21	1.0	ug/l	20.0		66	47-180	6	30	
Naphthalene	13.8	0.49	1.0	ug/l	20.0		69	36-120	0.2	30	
Nitrobenzene	14.6	0.36	1.0	ug/l	20.0		73	54-158	0.6	30	
N-Nitrosodimethylamine	8.59	0.50	1.0	ug/l	20.0		43	22-120	7	30	
N-Nitrosodi-n-propylamine	15.8	0.26	1.0	ug/l	20.0		79	14-198	4	30	
N-Nitrosodiphenylamine	14.4	0.19	1.0	ug/l	20.0		72	47-120	11	30	
Pentachlorophenol	17.5	0.40	1.0	ug/l	20.0		88	41-120	14	30	
Phenanthrene	17.4	0.32	1.0	ug/l	20.0		87	65-120	13	30	
Phenol	5.55	0.81	1.0	ug/l	20.0		28	17-120	5	30	
Pyrene	19.8	0.25	1.0	ug/l	20.0		99	70-120	18	30	
Surrogate(s)											
2,4,6-Tribromophenol	*33.2*			*ug/l*	*40.0*		*83*	*25-120*			
2-Fluorobiphenyl	*14.8*			*ug/l*	*20.0*		*74*	*22-120*			
2-Fluorophenol	*17.6*			*ug/l*	*40.0*		*44*	*17-120*			
Nitrobenzene-d5	*15.5*			*ug/l*	*20.0*		*77*	*47-120*			
Phenol-d5	*12.4*			*ug/l*	*40.0*		*31*	*12-120*			
Terphenyl-d14	*19.8*			*ug/l*	*20.0*		*99*	*44-129*			
Batch: W2H0772 - EPA 625.1											
Blank (W2H0772-BLK1)					**Prepared: 08/09/22 Analyzed: 08/13/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0772 - EPA 625.1 (Continued)											
Blank (W2H0772-BLK1)					**Prepared: 08/09/22 Analyzed: 08/13/22**						
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	1.9	10	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.39	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	9.15	2.3	5.0	ug/l							B-06
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0772 - EPA 625.1 (Continued)											
Blank (W2H0772-BLK1)					**Prepared: 08/09/22 Analyzed: 08/13/22**						
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.81	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*27.0*			*ug/l*	*40.0*		*68*	*25-120*			
2-Fluorobiphenyl	*12.5*			*ug/l*	*20.0*		*63*	*22-120*			
2-Fluorophenol	*19.6*			*ug/l*	*40.0*		*49*	*17-120*			
Nitrobenzene-d5	*14.4*			*ug/l*	*20.0*		*72*	*47-120*			
Phenol-d5	*12.9*			*ug/l*	*40.0*		*32*	*12-120*			
Terphenyl-d14	*19.4*			*ug/l*	*20.0*		*97*	*44-129*			
LCS (W2H0772-BS1)					**Prepared: 08/09/22 Analyzed: 08/12/22**						
1,2,4-Trichlorobenzene	14.8	0.49	1.0	ug/l	20.0		74	57-130			
1,2-Dichlorobenzene	15.2	0.46	1.0	ug/l	20.0		76	57-120			
1,3-Dichlorobenzene	14.1	0.42	1.0	ug/l	20.0		71	55-120			
1,4-Dichlorobenzene	14.0	0.48	1.0	ug/l	20.0		70	55-120			
2,4,6-Trichlorophenol	17.0	0.22	1.0	ug/l	20.0		85	52-129			
2,4-Dichlorophenol	16.8	0.26	1.0	ug/l	20.0		84	53-122			
2,4-Dimethylphenol	15.8	0.76	1.0	ug/l	20.0		79	42-120			
2,4-Dinitrophenol	23.5	1.9	10	ug/l	20.0		118	0.1-173			
2,4-Dinitrotoluene	19.3	0.46	1.0	ug/l	20.0		96	48-127			
2,6-Dinitrotoluene	16.3	0.27	1.0	ug/l	20.0		81	68-137			
2-Chloronaphthalene	14.7	0.45	1.0	ug/l	20.0		74	65-120			
2-Chlorophenol	15.2	0.28	1.0	ug/l	20.0		76	36-120			
2-Methyl-4,6-dinitrophenol	21.1	0.50	5.0	ug/l	20.0		106	53-130			
2-Nitrophenol	18.0	0.26	1.0	ug/l	20.0		90	45-167			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0772 - EPA 625.1 (Continued)											
LCS (W2H0772-BS1)					**Prepared: 08/09/22**	**Analyzed: 08/12/22**					
3,3'-Dichlorobenzidine	12.9	2.5	5.0	ug/l	20.0		65	8-213			
4-Bromophenyl phenyl ether	16.9	0.36	1.0	ug/l	20.0		85	65-120			
4-Chloro-3-methylphenol	17.1	0.23	1.0	ug/l	20.0		85	41-128			
4-Chlorophenyl phenyl ether	15.8	0.41	1.0	ug/l	20.0		79	38-145			
4-Nitrophenol	8.70	1.2	5.0	ug/l	20.0		43	13-129			
Acenaphthene	16.8	0.38	1.0	ug/l	20.0		84	60-132			
Acenaphthylene	16.0	0.35	1.0	ug/l	20.0		80	54-126			
Anthracene	17.9	0.41	1.0	ug/l	20.0		90	43-120			
Benzidine	2.82	0.0	10	ug/l	20.0		14	0.1-200			J
Benzo (a) anthracene	18.6	0.19	1.0	ug/l	20.0		93	42-133			
Benzo (a) pyrene	21.4	0.39	1.0	ug/l	20.0		107	32-148			
Benzo (b) fluoranthene	19.8	0.46	1.0	ug/l	20.0		99	42-140			AN-IP
Benzo (g,h,i) perylene	20.9	0.42	2.0	ug/l	20.0		105	0.1-195			
Benzo (k) fluoranthene	19.9	0.22	1.0	ug/l	20.0		100	25-146			AN-IP
Bis(2-chloroethoxy)methane	15.2	0.25	1.0	ug/l	20.0		76	49-165			
Bis(2-chloroethyl)ether	14.4	0.27	1.0	ug/l	20.0		72	43-126			
Bis(2-chloroisopropyl)ether	15.8	0.38	1.0	ug/l	20.0		79	63-139			
Bis(2-ethylhexyl)phthalate	22.3	2.3	5.0	ug/l	20.0		112	29-137			
Butyl benzyl phthalate	20.7	0.49	1.0	ug/l	20.0		103	0.1-140			
Chrysene	17.1	0.19	1.0	ug/l	20.0		86	44-140			
Dibenzo (a,h) anthracene	19.6	0.15	2.0	ug/l	20.0		98	0.1-200			
Diethyl phthalate	17.5	0.35	1.0	ug/l	20.0		88	0.1-120			
Dimethyl phthalate	16.3	0.18	1.0	ug/l	20.0		82	0.1-120			
Di-n-butyl phthalate	18.4	0.34	1.0	ug/l	20.0		92	8-120			
Di-n-octyl phthalate	20.1	0.46	1.0	ug/l	20.0		101	19-132			
Fluoranthene	22.4	0.35	1.0	ug/l	20.0		112	43-121			
Fluorene	17.4	0.35	1.0	ug/l	20.0		87	70-120			
Hexachlorobenzene	17.3	0.49	1.0	ug/l	20.0		86	8-142			
Hexachlorobutadiene	15.6	0.47	1.0	ug/l	20.0		78	38-120			
Hexachlorocyclopentadiene	10.3	0.31	5.0	ug/l	20.0		51	10-120			
Hexachloroethane	14.5	0.50	1.0	ug/l	20.0		72	55-120			
Indeno (1,2,3-cd) pyrene	19.3	0.25	2.0	ug/l	20.0		97	0.1-151			
Isophorone	13.5	0.21	1.0	ug/l	20.0		67	47-180			
Naphthalene	15.7	0.49	1.0	ug/l	20.0		78	36-120			
Nitrobenzene	15.6	0.36	1.0	ug/l	20.0		78	54-158			
N-Nitrosodimethylamine	10.3	0.50	1.0	ug/l	20.0		52	22-120			
N-Nitrosodi-n-propylamine	17.0	0.26	1.0	ug/l	20.0		85	14-198			
N-Nitrosodiphenylamine	14.6	0.19	1.0	ug/l	20.0		73	47-120			
Pentachlorophenol	19.2	0.40	1.0	ug/l	20.0		96	41-120			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0772 - EPA 625.1 (Continued)											
LCS (W2H0772-BS1)					**Prepared: 08/09/22 Analyzed: 08/12/22**						
Phenanthrene	16.8	0.32	1.0	ug/l	20.0		84	65-120			
Phenol	6.54	0.81	1.0	ug/l	20.0		33	17-120			
Pyrene	18.8	0.25	1.0	ug/l	20.0		94	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*33.5*			*ug/l*	*40.0*		*84*	*25-120*			
2-Fluorobiphenyl	*15.7*			*ug/l*	*20.0*		*78*	*22-120*			
2-Fluorophenol	*21.8*			*ug/l*	*40.0*		*54*	*17-120*			
Nitrobenzene-d5	*17.0*			*ug/l*	*20.0*		*85*	*47-120*			
Phenol-d5	*14.5*			*ug/l*	*40.0*		*36*	*12-120*			
Terphenyl-d14	*18.5*			*ug/l*	*20.0*		*92*	*44-129*			
LCS Dup (W2H0772-BSD1)					**Prepared: 08/09/22 Analyzed: 08/12/22**						
1,2,4-Trichlorobenzene	14.9	0.49	1.0	ug/l	20.0		74	57-130	0.5	30	
1,2-Dichlorobenzene	14.7	0.46	1.0	ug/l	20.0		74	57-120	3	30	
1,3-Dichlorobenzene	13.6	0.42	1.0	ug/l	20.0		68	55-120	4	30	
1,4-Dichlorobenzene	13.4	0.48	1.0	ug/l	20.0		67	55-120	5	30	
2,4,6-Trichlorophenol	17.3	0.22	1.0	ug/l	20.0		86	52-129	2	30	
2,4-Dichlorophenol	16.9	0.26	1.0	ug/l	20.0		84	53-122	0.5	30	
2,4-Dimethylphenol	15.1	0.76	1.0	ug/l	20.0		75	42-120	5	30	
2,4-Dinitrophenol	24.6	1.9	10	ug/l	20.0		123	0.1-173	4	30	
2,4-Dinitrotoluene	19.8	0.46	1.0	ug/l	20.0		99	48-127	3	30	
2,6-Dinitrotoluene	16.2	0.27	1.0	ug/l	20.0		81	68-137	0.9	30	
2-Chloronaphthalene	15.4	0.45	1.0	ug/l	20.0		77	65-120	5	30	
2-Chlorophenol	14.8	0.28	1.0	ug/l	20.0		74	36-120	3	30	
2-Methyl-4,6-dinitrophenol	22.1	0.50	5.0	ug/l	20.0		110	53-130	4	30	
2-Nitrophenol	18.3	0.26	1.0	ug/l	20.0		91	45-167	2	30	
3,3'-Dichlorobenzidine	12.6	2.5	5.0	ug/l	20.0		63	8-213	3	30	
4-Bromophenyl phenyl ether	17.6	0.36	1.0	ug/l	20.0		88	65-120	4	30	
4-Chloro-3-methylphenol	17.3	0.23	1.0	ug/l	20.0		87	41-128	1	30	
4-Chlorophenyl phenyl ether	16.1	0.41	1.0	ug/l	20.0		80	38-145	1	30	
4-Nitrophenol	9.44	1.2	5.0	ug/l	20.0		47	13-129	8	30	
Acenaphthene	17.6	0.38	1.0	ug/l	20.0		88	60-132	5	30	
Acenaphthylene	16.5	0.35	1.0	ug/l	20.0		82	54-126	3	30	
Anthracene	18.7	0.41	1.0	ug/l	20.0		93	43-120	4	30	
Benzidine	0.911	0.0	10	ug/l	20.0		5	0.1-200	102	30	J
Benzo (a) anthracene	19.2	0.19	1.0	ug/l	20.0		96	42-133	3	30	
Benzo (a) pyrene	21.8	0.39	1.0	ug/l	20.0		109	32-148	2	30	
Benzo (b) fluoranthene	22.1	0.46	1.0	ug/l	20.0		110	42-140	11	30	AN-IP
Benzo (g,h,i) perylene	21.7	0.42	2.0	ug/l	20.0		108	0.1-195	3	30	
Benzo (k) fluoranthene	19.2	0.22	1.0	ug/l	20.0		96	25-146	3	30	AN-IP

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0772 - EPA 625.1 (Continued)											
LCS Dup (W2H0772-BSD1)					**Prepared: 08/09/22**	**Analyzed: 08/12/22**					
Bis(2-chloroethoxy)methane	15.6	0.25	1.0	ug/l	20.0		78	49-165	3	30	
Bis(2-chloroethyl)ether	14.2	0.27	1.0	ug/l	20.0		71	43-126	1	30	
Bis(2-chloroisopropyl)ether	16.2	0.38	1.0	ug/l	20.0		81	63-139	2	30	
Bis(2-ethylhexyl)phthalate	22.8	2.3	5.0	ug/l	20.0		114	29-137	2	30	
Butyl benzyl phthalate	21.8	0.49	1.0	ug/l	20.0		109	0.1-140	5	30	
Chrysene	18.2	0.19	1.0	ug/l	20.0		91	44-140	6	30	
Dibenzo (a,h) anthracene	20.1	0.15	2.0	ug/l	20.0		100	0.1-200	2	30	
Diethyl phthalate	17.9	0.35	1.0	ug/l	20.0		89	0.1-120	2	30	
Dimethyl phthalate	16.3	0.18	1.0	ug/l	20.0		82	0.1-120	0.1	30	
Di-n-butyl phthalate	20.0	0.34	1.0	ug/l	20.0		100	8-120	8	30	
Di-n-octyl phthalate	21.7	0.46	1.0	ug/l	20.0		109	19-132	8	30	
Fluoranthene	24.6	0.35	1.0	ug/l	20.0		123	43-121	9	30	Q-08
Fluorene	17.7	0.35	1.0	ug/l	20.0		88	70-120	1	30	
Hexachlorobenzene	17.9	0.49	1.0	ug/l	20.0		90	8-142	4	30	
Hexachlorobutadiene	15.6	0.47	1.0	ug/l	20.0		78	38-120	0.01	30	
Hexachlorocyclopentadiene	10.9	0.31	5.0	ug/l	20.0		54	10-120	6	30	
Hexachloroethane	14.0	0.50	1.0	ug/l	20.0		70	55-120	3	30	
Indeno (1,2,3-cd) pyrene	19.8	0.25	2.0	ug/l	20.0		99	0.1-151	2	30	
Isophorone	14.0	0.21	1.0	ug/l	20.0		70	47-180	4	30	
Naphthalene	15.8	0.49	1.0	ug/l	20.0		79	36-120	0.4	30	
Nitrobenzene	15.9	0.36	1.0	ug/l	20.0		79	54-158	2	30	
N-Nitrosodimethylamine	10.6	0.50	1.0	ug/l	20.0		53	22-120	3	30	
N-Nitrosodi-n-propylamine	17.4	0.26	1.0	ug/l	20.0		87	14-198	2	30	
N-Nitrosodiphenylamine	15.0	0.19	1.0	ug/l	20.0		75	47-120	3	30	
Pentachlorophenol	19.2	0.40	1.0	ug/l	20.0		96	41-120	0.4	30	
Phenanthrene	18.2	0.32	1.0	ug/l	20.0		91	65-120	8	30	
Phenol	6.68	0.81	1.0	ug/l	20.0		33	17-120	2	30	
Pyrene	19.9	0.25	1.0	ug/l	20.0		100	70-120	6	30	
Surrogate(s)											
2,4,6-Tribromophenol	*33.9*			*ug/l*	*40.0*		*85*	*25-120*			
2-Fluorobiphenyl	*15.5*			*ug/l*	*20.0*		*77*	*22-120*			
2-Fluorophenol	*20.9*			*ug/l*	*40.0*		*52*	*17-120*			
Nitrobenzene-d5	*17.0*			*ug/l*	*20.0*		*85*	*47-120*			
Phenol-d5	*14.6*			*ug/l*	*40.0*		*37*	*12-120*			
Terphenyl-d14	*19.3*			*ug/l*	*20.0*		*96*	*44-129*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1193 - EPA 300.1											
Blank (W2H1193-BLK1)					**Prepared & Analyzed: 08/15/22**						
Bromate	ND	1.4	5.0	ug/l							
Chlorite	ND	2.2	10	ug/l							
Surrogate(s)											
Dichloroacetate	*529*			*ug/l*	*500*		*106*	*90-115*			
LCS (W2H1193-BS1)					**Prepared & Analyzed: 08/15/22**						
Bromate	98.6	1.4	5.0	ug/l	100		99	85-115			
Chlorite	99.6	2.2	10	ug/l	100		100	85-115			
Surrogate(s)											
Dichloroacetate	*521*			*ug/l*	*500*		*104*	*90-115*			
Matrix Spike (W2H1193-MS1)	**Source: 2H03055-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	103	1.4	5.0	ug/l	100	ND	103	64-133			
Chlorite	96.7	2.2	10	ug/l	100	ND	97	78-129			
Surrogate(s)											
Dichloroacetate	*545*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W2H1193-MS2)	**Source: 2H05020-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	97.8	1.4	5.0	ug/l	100	ND	98	64-133			
Chlorite	98.0	2.2	10	ug/l	100	ND	98	78-129			
Surrogate(s)											
Dichloroacetate	*521*			*ug/l*	*500*		*104*	*90-115*			
Matrix Spike Dup (W2H1193-MSD1)	**Source: 2H03055-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	106	1.4	5.0	ug/l	100	ND	106	64-133	3	20	
Chlorite	97.8	2.2	10	ug/l	100	ND	98	78-129	1	20	
Surrogate(s)											
Dichloroacetate	*541*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W2H1193-MSD2)	**Source: 2H05020-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	101	1.4	5.0	ug/l	100	ND	101	64-133	3	20	
Chlorite	99.4	2.2	10	ug/l	100	ND	99	78-129	1	20	
Surrogate(s)											
Dichloroacetate	*534*			*ug/l*	*500*		*107*	*90-115*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1255 - EPA 531.2											
Blank (W2H1255-BLK1)					**Prepared: 08/15/22 Analyzed: 08/16/22**						
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l							
Aldicarb	ND	0.58	2.0	ug/l							
Aldicarb sulfone	ND	0.73	2.0	ug/l							
Aldicarb sulfoxide	ND	1.0	2.0	ug/l							
Carbaryl	ND	1.0	2.0	ug/l							
Carbofuran	ND	1.0	2.0	ug/l							
Methiocarb	ND	1.0	2.0	ug/l							
Methomyl	ND	1.3	2.0	ug/l							
Oxamyl	ND	1.1	2.0	ug/l							
Propoxur (Baygon)	ND	1.4	2.0	ug/l							
Surrogate(s)											
BDMC	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
LCS (W2H1255-BS1)					**Prepared: 08/15/22 Analyzed: 08/16/22**						
3-Hydroxycarbofuran	9.22	0.82	2.0	ug/l	10.0		92	80-120			
Aldicarb	9.93	0.58	2.0	ug/l	10.0		99	80-120			
Aldicarb sulfone	11.8	0.73	2.0	ug/l	10.0		118	80-120			
Aldicarb sulfoxide	11.1	1.0	2.0	ug/l	10.0		111	80-120			
Carbaryl	9.27	1.0	2.0	ug/l	10.0		93	80-120			
Carbofuran	9.28	1.0	2.0	ug/l	10.0		93	70-130			
Methiocarb	10.1	1.0	2.0	ug/l	10.0		101	80-120			
Methomyl	9.93	1.3	2.0	ug/l	10.0		99	80-120			
Oxamyl	10.7	1.1	2.0	ug/l	10.0		107	80-120			
Propoxur (Baygon)	10.3	1.4	2.0	ug/l	10.0		103	80-120			
Surrogate(s)											
BDMC	*9.13*			*ug/l*	*10.0*		*91*	*70-130*			
Matrix Spike (W2H1255-MS1)	**Source: 2G15022-02**				**Prepared: 08/15/22 Analyzed: 08/16/22**						
3-Hydroxycarbofuran	11.7	0.82	2.0	ug/l	10.0	ND	117	70-130			
Aldicarb	10.4	0.58	2.0	ug/l	10.0	ND	104	70-130			
Aldicarb sulfone	12.3	0.73	2.0	ug/l	10.0	ND	123	70-130			
Aldicarb sulfoxide	18.2	1.0	2.0	ug/l	10.0	ND	182	70-130			MS-01
Carbaryl	9.46	1.0	2.0	ug/l	10.0	ND	95	70-130			
Carbofuran	9.70	1.0	2.0	ug/l	10.0	ND	97	70-130			
Methiocarb	11.7	1.0	2.0	ug/l	10.0	ND	117	70-130			
Methomyl	12.0	1.3	2.0	ug/l	10.0	ND	120	70-130			
Oxamyl	12.3	1.1	2.0	ug/l	10.0	ND	123	70-130			
Propoxur (Baygon)	9.54	1.4	2.0	ug/l	10.0	ND	95	70-130			
Surrogate(s)											
BDMC	*9.71*			*ug/l*	*10.0*		*97*	*70-130*			
Matrix Spike Dup (W2H1255-MSD1)	**Source: 2G15022-02**				**Prepared: 08/15/22 Analyzed: 08/16/22**						
3-Hydroxycarbofuran	11.4	0.82	2.0	ug/l	10.0	ND	114	70-130	3	30	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1255 - EPA 531.2 (Continued)											
Matrix Spike Dup (W2H1255-MSD1)	**Source: 2G15022-02**				**Prepared: 08/15/22**	**Analyzed: 08/16/22**					
Aldicarb	11.1	0.58	2.0	ug/l	10.0	ND	111	70-130	6	30	
Aldicarb sulfone	13.5	0.73	2.0	ug/l	10.0	ND	135	70-130	9	30	MS-01
Aldicarb sulfoxide	18.4	1.0	2.0	ug/l	10.0	ND	184	70-130	0.9	30	MS-01
Carbaryl	9.98	1.0	2.0	ug/l	10.0	ND	100	70-130	5	30	
Carbofuran	10.0	1.0	2.0	ug/l	10.0	ND	100	70-130	4	30	
Methiocarb	12.9	1.0	2.0	ug/l	10.0	ND	129	70-130	9	30	
Methomyl	12.5	1.3	2.0	ug/l	10.0	ND	125	70-130	4	30	
Oxamyl	12.2	1.1	2.0	ug/l	10.0	ND	122	70-130	0.4	30	
Propoxur (Baygon)	10.2	1.4	2.0	ug/l	10.0	ND	102	70-130	6	30	
Surrogate(s)											
BDMC	*10.7*			*ug/l*	*10.0*		*107*	*70-130*			
Batch: W2H1673 - EPA 531.2											
Blank (W2H1673-BLK1)					**Prepared: 08/22/22**	**Analyzed: 08/24/22**					
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l							
Aldicarb	ND	0.58	2.0	ug/l							
Aldicarb sulfone	ND	0.73	2.0	ug/l							
Aldicarb sulfoxide	ND	1.0	2.0	ug/l							
Carbaryl	ND	1.0	2.0	ug/l							
Carbofuran	ND	1.0	2.0	ug/l							
Methiocarb	ND	1.0	2.0	ug/l							
Methomyl	ND	1.3	2.0	ug/l							
Oxamyl	ND	1.1	2.0	ug/l							
Propoxur (Baygon)	ND	1.4	2.0	ug/l							
Surrogate(s)											
BDMC	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
LCS (W2H1673-BS1)					**Prepared: 08/22/22**	**Analyzed: 08/24/22**					
3-Hydroxycarbofuran	14.8	0.82	2.0	ug/l	10.0		148	70-130			Q-08
Aldicarb	15.1	0.58	2.0	ug/l	10.0		151	70-130			Q-08
Aldicarb sulfone	15.9	0.73	2.0	ug/l	10.0		159	70-130			Q-08
Aldicarb sulfoxide	17.6	1.0	2.0	ug/l	10.0		176	70-130			Q-08
Carbaryl	13.3	1.0	2.0	ug/l	10.0		133	70-130			Q-08
Carbofuran	15.2	1.0	2.0	ug/l	10.0		152	70-130			Q-08
Methiocarb	14.0	1.0	2.0	ug/l	10.0		140	70-130			Q-08
Methomyl	17.4	1.3	2.0	ug/l	10.0		174	70-130			Q-08
Oxamyl	17.0	1.1	2.0	ug/l	10.0		170	70-130			Q-08
Propoxur (Baygon)	16.8	1.4	2.0	ug/l	10.0		168	70-130			Q-08
Surrogate(s)											
BDMC	*10.9*			*ug/l*	*10.0*		*109*	*70-130*			
Matrix Spike (W2H1673-MS1)	**Source: 1G28007-01**				**Prepared: 08/22/22**	**Analyzed: 08/24/22**					

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1673 - EPA 531.2 (Continued)											
Matrix Spike (W2H1673-MS1)	**Source: 1G28007-01**				**Prepared: 08/22/22**	**Analyzed: 08/24/22**					
3-Hydroxycarbofuran	11.1	0.82	2.0	ug/l	10.0	ND	111	70-130			
Aldicarb	12.1	0.58	2.0	ug/l	10.0	ND	121	70-130			
Aldicarb sulfone	14.2	0.73	2.0	ug/l	10.0	ND	142	70-130			Q-08
Aldicarb sulfoxide	14.0	1.0	2.0	ug/l	10.0	ND	140	70-130			Q-08
Carbaryl	10.8	1.0	2.0	ug/l	10.0	ND	108	70-130			
Carbofuran	19.6	1.0	2.0	ug/l	10.0	ND	196	70-130			Q-08
Methiocarb	11.4	1.0	2.0	ug/l	10.0	ND	114	70-130			
Methomyl	13.7	1.3	2.0	ug/l	10.0	ND	137	70-130			Q-08
Oxamyl	13.5	1.1	2.0	ug/l	10.0	ND	135	70-130			Q-08
Propoxur (Baygon)	12.3	1.4	2.0	ug/l	10.0	ND	123	70-130			
Surrogate(s)											
BDMC	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike Dup (W2H1673-MSD1)	**Source: 1G28007-01**				**Prepared: 08/22/22**	**Analyzed: 08/24/22**					
3-Hydroxycarbofuran	11.0	0.82	2.0	ug/l	10.0	ND	110	70-130	2	30	
Aldicarb	12.7	0.58	2.0	ug/l	10.0	ND	127	70-130	5	30	
Aldicarb sulfone	13.3	0.73	2.0	ug/l	10.0	ND	133	70-130	6	30	Q-08
Aldicarb sulfoxide	14.5	1.0	2.0	ug/l	10.0	ND	145	70-130	3	30	Q-08
Carbaryl	10.5	1.0	2.0	ug/l	10.0	ND	105	70-130	3	30	
Carbofuran	19.0	1.0	2.0	ug/l	10.0	ND	190	70-130	3	30	Q-08
Methiocarb	11.3	1.0	2.0	ug/l	10.0	ND	113	70-130	0.8	30	
Methomyl	14.3	1.3	2.0	ug/l	10.0	ND	143	70-130	4	30	Q-08
Oxamyl	13.7	1.1	2.0	ug/l	10.0	ND	137	70-130	1	30	Q-08
Propoxur (Baygon)	12.5	1.4	2.0	ug/l	10.0	ND	125	70-130	1	30	
Surrogate(s)											
BDMC	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0686 - EPA 515.4											
Blank (W2H0686-BLK1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
2,4,5-T	ND	0.030	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l							
2,4-D	ND	0.14	0.40	ug/l							
2,4-DB	ND	0.19	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l							
Acifluorfen	ND	0.030	0.40	ug/l							
Bentazon	ND	0.23	2.0	ug/l							
Dalapon	ND	0.11	0.40	ug/l							
DCPA	ND	0.029	0.10	ug/l							
Dicamba	ND	0.049	0.60	ug/l							
Dichloroprop	ND	0.12	0.30	ug/l							
Dinoseb	ND	0.033	0.40	ug/l							
Pentachlorophenol	ND	0.046	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.10*			*ug/l*	*10.0*		*91*	*70-130*			
LCS (W2H0686-BS1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
2,4,5-T	4.15	0.030	0.20	ug/l	4.00		104	70-130			
2,4,5-TP (Silvex)	4.17	0.026	0.20	ug/l	4.00		104	70-130			
2,4-D	8.30	0.14	0.40	ug/l	8.00		104	70-130			
2,4-DB	16.1	0.19	2.0	ug/l	16.0		101	70-130			
3,5-Dichlorobenzoic acid	8.16	0.12	1.0	ug/l	8.00		102	70-130			
Acifluorfen	4.15	0.030	0.40	ug/l	4.00		104	70-130			
Bentazon	16.1	0.23	2.0	ug/l	16.0		101	70-130			
Dalapon	8.02	0.11	0.40	ug/l	8.00		100	70-130			
DCPA	4.10	0.029	0.10	ug/l	4.00		103	70-130			
Dicamba	8.38	0.049	0.60	ug/l	8.00		105	70-130			
Dichloroprop	8.36	0.12	0.30	ug/l	8.00		105	70-130			
Dinoseb	4.13	0.033	0.40	ug/l	4.00		103	70-130			
Pentachlorophenol	4.05	0.046	0.20	ug/l	4.00		101	70-130			
Picloram	3.99	0.050	0.60	ug/l	4.00		100	70-130			
Surrogate(s)											
2,4-DCAA	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike (W2H0686-MS1)	**Source: 1G28007-01**				**Prepared: 08/09/22 Analyzed: 08/10/22**						
2,4,5-T	4.09	0.030	0.20	ug/l	4.00	ND	102	70-130			
2,4,5-TP (Silvex)	4.14	0.026	0.20	ug/l	4.00	ND	103	70-130			
2,4-D	8.29	0.14	0.40	ug/l	8.00	ND	104	70-130			
2,4-DB	16.7	0.19	2.0	ug/l	16.0	ND	104	70-130			
3,5-Dichlorobenzoic acid	8.22	0.12	1.0	ug/l	8.00	ND	103	70-130			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0686 - EPA 515.4 (Continued)											
Matrix Spike (W2H0686-MS1)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/10/22**					
Acifluorfen	4.08	0.030	0.40	ug/l	4.00	ND	102	70-130			
Bentazon	15.9	0.23	2.0	ug/l	16.0	ND	100	70-130			
Dalapon	8.37	0.11	0.40	ug/l	8.00	ND	105	70-130			
DCPA	4.16	0.029	0.10	ug/l	4.00	ND	104	70-130			
Dicamba	8.42	0.049	0.60	ug/l	8.00	ND	105	70-130			
Dichloroprop	8.33	0.12	0.30	ug/l	8.00	ND	104	70-130			
Dinoseb	4.04	0.033	0.40	ug/l	4.00	ND	101	70-130			
Pentachlorophenol	4.06	0.046	0.20	ug/l	4.00	ND	101	70-130			
Picloram	3.97	0.050	0.60	ug/l	4.00	ND	99	70-130			
Surrogate(s)											
2,4-DCAA	*10.0*			*ug/l*	*10.0*		*100*	*70-130*			
Matrix Spike Dup (W2H0686-MSD1)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/10/22**					
2,4,5-T	4.05	0.030	0.20	ug/l	4.00	ND	101	70-130	0.8	30	
2,4,5-TP (Silvex)	4.04	0.026	0.20	ug/l	4.00	ND	101	70-130	2	30	
2,4-D	8.21	0.14	0.40	ug/l	8.00	ND	103	70-130	1	30	
2,4-DB	16.6	0.19	2.0	ug/l	16.0	ND	104	70-130	0.3	30	
3,5-Dichlorobenzoic acid	8.35	0.12	1.0	ug/l	8.00	ND	104	70-130	2	30	
Acifluorfen	4.02	0.030	0.40	ug/l	4.00	ND	101	70-130	1	30	
Bentazon	15.3	0.23	2.0	ug/l	16.0	ND	95	70-130	4	30	
Dalapon	8.09	0.11	0.40	ug/l	8.00	ND	101	70-130	3	30	
DCPA	4.07	0.029	0.10	ug/l	4.00	ND	102	70-130	2	30	
Dicamba	8.20	0.049	0.60	ug/l	8.00	ND	103	70-130	3	30	
Dichloroprop	8.07	0.12	0.30	ug/l	8.00	ND	101	70-130	3	30	
Dinoseb	3.93	0.033	0.40	ug/l	4.00	ND	98	70-130	3	30	
Pentachlorophenol	3.98	0.046	0.20	ug/l	4.00	ND	99	70-130	2	30	
Picloram	3.96	0.050	0.60	ug/l	4.00	ND	99	70-130	0.09	30	
Surrogate(s)											
2,4-DCAA	*9.86*			*ug/l*	*10.0*		*99*	*70-130*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1											
Blank (W2H1280-BLK1)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
4,4´-DDD	ND	0.0030	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0030	0.010	ug/l							
Aldrin	ND	0.0040	0.010	ug/l							
alpha-BHC	ND	0.0019	0.010	ug/l							
Aroclor 1016	ND	0.016	0.10	ug/l							
Aroclor 1221	ND	0.044	0.10	ug/l							
Aroclor 1232	ND	0.010	0.10	ug/l							
Aroclor 1242	ND	0.074	0.10	ug/l							
Aroclor 1248	ND	0.094	0.10	ug/l							
Aroclor 1254	ND	0.087	0.10	ug/l							
Aroclor 1260	ND	0.038	0.10	ug/l							
beta-BHC	ND	0.0024	0.010	ug/l							
Chlordane (tech)	ND	0.067	0.10	ug/l							
Chlorothalonil	ND	0.0015	0.050	ug/l							
delta-BHC	ND	0.0030	0.010	ug/l							
Dieldrin	ND	0.0030	0.010	ug/l							
Endosulfan I	ND	0.0030	0.010	ug/l							
Endosulfan II	ND	0.0016	0.010	ug/l							
Endosulfan sulfate	ND	0.0030	0.010	ug/l							
Endrin	ND	0.0013	0.010	ug/l							
Endrin aldehyde	ND	0.0040	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l							
Heptachlor	ND	0.0017	0.010	ug/l							
Heptachlor epoxide	ND	0.0019	0.010	ug/l							
Hexachlorobenzene	ND	0.0040	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l							
Methoxychlor	ND	0.0030	0.010	ug/l							
PCBs, Total	ND		0.50	ug/l							
Propachlor	ND	0.020	0.050	ug/l							
Toxaphene	ND	0.37	0.50	ug/l							
Trifluralin	ND	0.0020	0.010	ug/l							
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0871*			*ug/l*	*0.100*		*87*	*70-130*			
Blank (W2H1280-BLK2)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
4,4´-DDD	ND	0.0030	0.010	ug/l							QC-2
4,4´-DDE	ND	0.0018	0.010	ug/l							QC-2
4,4´-DDT	ND	0.0030	0.010	ug/l							QC-2
Aldrin	ND	0.0040	0.010	ug/l							QC-2

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1 (Continued)											
Blank (W2H1280-BLK2)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
alpha-BHC	ND	0.0019	0.010	ug/l							QC-2
Aroclor 1016	ND	0.016	0.10	ug/l							QC-2
Aroclor 1221	ND	0.044	0.10	ug/l							QC-2
Aroclor 1232	ND	0.010	0.10	ug/l							QC-2
Aroclor 1242	ND	0.074	0.10	ug/l							QC-2
Aroclor 1248	ND	0.094	0.10	ug/l							QC-2
Aroclor 1254	ND	0.087	0.10	ug/l							QC-2
Aroclor 1260	ND	0.038	0.10	ug/l							QC-2
beta-BHC	ND	0.0024	0.010	ug/l							QC-2
Chlordane (tech)	ND	0.067	0.10	ug/l							QC-2
Chlorothalonil	ND	0.0015	0.050	ug/l							QC-2
delta-BHC	ND	0.0030	0.010	ug/l							QC-2
Dieldrin	ND	0.0030	0.010	ug/l							QC-2
Endosulfan I	ND	0.0030	0.010	ug/l							QC-2
Endosulfan II	ND	0.0016	0.010	ug/l							QC-2
Endosulfan sulfate	ND	0.0030	0.010	ug/l							QC-2
Endrin	ND	0.0013	0.010	ug/l							QC-2
Endrin aldehyde	ND	0.0040	0.010	ug/l							QC-2
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l							QC-2
Heptachlor	ND	0.0017	0.010	ug/l							QC-2
Heptachlor epoxide	ND	0.0019	0.010	ug/l							QC-2
Hexachlorobenzene	ND	0.0040	0.050	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l							QC-2
Methoxychlor	ND	0.0030	0.010	ug/l							QC-2
PCBs, Total	ND		0.50	ug/l							QC-2
Propachlor	ND	0.020	0.050	ug/l							QC-2
Toxaphene	ND	0.37	0.50	ug/l							QC-2
Trifluralin	ND	0.0020	0.010	ug/l							QC-2
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0875*			*ug/l*	*0.100*		*87*	*70-130*			*QC-2*
LCS (W2H1280-BS1)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
4,4´-DDD	0.0961	0.0030	0.010	ug/l	0.100		96	70-130			
4,4´-DDE	0.0799	0.0018	0.010	ug/l	0.100		80	70-130			
4,4´-DDT	0.0902	0.0030	0.010	ug/l	0.100		90	70-130			
Aldrin	0.0717	0.0040	0.010	ug/l	0.100		72	50-130			
alpha-BHC	0.100	0.0019	0.010	ug/l	0.100		100	70-130			
beta-BHC	0.0931	0.0024	0.010	ug/l	0.100		93	70-130			
delta-BHC	0.0979	0.0030	0.010	ug/l	0.100		98	70-130			
Dieldrin	0.0859	0.0030	0.010	ug/l	0.100		86	70-130			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1 (Continued)											
LCS (W2H1280-BS1)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
Endosulfan I	0.0871	0.0030	0.010	ug/l	0.100		87	70-130			
Endosulfan II	0.0886	0.0016	0.010	ug/l	0.100		89	70-130			
Endosulfan sulfate	0.103	0.0030	0.010	ug/l	0.100		103	70-130			
Endrin	0.0924	0.0013	0.010	ug/l	0.100		92	70-130			
Endrin aldehyde	0.0853	0.0040	0.010	ug/l	0.100		85	70-130			
gamma-BHC (Lindane)	0.0979	0.0030	0.010	ug/l	0.100		98	70-130			
Heptachlor	0.0885	0.0017	0.010	ug/l	0.100		89	70-130			
Heptachlor epoxide	0.0952	0.0019	0.010	ug/l	0.100		95	70-130			
Methoxychlor	0.103	0.0030	0.010	ug/l	0.100		103	70-130			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0935*			*ug/l*	*0.100*		*93*	*70-130*			
LCS (W2H1280-BS2)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
Toxaphene	1.18	0.37	0.50	ug/l	1.00		118	70-130			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0829*			*ug/l*	*0.100*		*83*	*70-130*			
LCS (W2H1280-BS3)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
4,4´-DDD	0.0986	0.0030	0.010	ug/l	0.100		99	70-130			QC-2
4,4´-DDE	0.0819	0.0018	0.010	ug/l	0.100		82	70-130			QC-2
4,4´-DDT	0.0955	0.0030	0.010	ug/l	0.100		95	70-130			QC-2
Aldrin	0.0721	0.0040	0.010	ug/l	0.100		72	50-130			QC-2
alpha-BHC	0.0999	0.0019	0.010	ug/l	0.100		100	70-130			QC-2
beta-BHC	0.0930	0.0024	0.010	ug/l	0.100		93	70-130			QC-2
delta-BHC	0.0994	0.0030	0.010	ug/l	0.100		99	70-130			QC-2
Dieldrin	0.0860	0.0030	0.010	ug/l	0.100		86	70-130			QC-2
Endosulfan I	0.0869	0.0030	0.010	ug/l	0.100		87	70-130			QC-2
Endosulfan II	0.0896	0.0016	0.010	ug/l	0.100		90	70-130			QC-2
Endosulfan sulfate	0.108	0.0030	0.010	ug/l	0.100		108	70-130			QC-2
Endrin	0.0968	0.0013	0.010	ug/l	0.100		97	70-130			QC-2
Endrin aldehyde	0.0862	0.0040	0.010	ug/l	0.100		86	70-130			QC-2
gamma-BHC (Lindane)	0.0979	0.0030	0.010	ug/l	0.100		98	70-130			QC-2
Heptachlor	0.0891	0.0017	0.010	ug/l	0.100		89	70-130			QC-2
Heptachlor epoxide	0.0940	0.0019	0.010	ug/l	0.100		94	70-130			QC-2
Methoxychlor	0.111	0.0030	0.010	ug/l	0.100		111	70-130			QC-2
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0927*			*ug/l*	*0.100*		*93*	*70-130*			*QC-2*
LCS (W2H1280-BS4)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
Toxaphene	1.22	0.37	0.50	ug/l	1.00		122	70-130			QC-2
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0830*			*ug/l*	*0.100*		*83*	*70-130*			*QC-2*
Matrix Spike (W2H1280-MS1)	**Source: 1G28007-01**				**Prepared: 08/16/22 Analyzed: 08/20/22**						

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1 (Continued)											
Matrix Spike (W2H1280-MS1)	**Source: 1G28007-01**				**Prepared: 08/16/22**	**Analyzed: 08/20/22**					
4,4´-DDD	0.108	0.0030	0.010	ug/l	0.101	ND	106	65-135			
4,4´-DDE	0.0918	0.0018	0.010	ug/l	0.101	ND	91	65-135			
4,4´-DDT	0.100	0.0030	0.010	ug/l	0.101	ND	99	65-135			
Aldrin	0.0835	0.0040	0.010	ug/l	0.101	ND	82	65-135			
alpha-BHC	0.103	0.0019	0.010	ug/l	0.101	ND	101	65-135			
beta-BHC	0.0990	0.0024	0.010	ug/l	0.101	ND	98	65-135			
delta-BHC	0.105	0.0030	0.010	ug/l	0.101	ND	103	65-135			
Dieldrin	0.0912	0.0030	0.010	ug/l	0.101	ND	90	65-135			
Endosulfan I	0.0920	0.0030	0.010	ug/l	0.101	ND	91	65-135			
Endosulfan II	0.0942	0.0016	0.010	ug/l	0.101	ND	93	65-135			
Endosulfan sulfate	0.118	0.0030	0.010	ug/l	0.101	ND	117	65-135			
Endrin	0.101	0.0013	0.010	ug/l	0.101	ND	100	65-135			
Endrin aldehyde	0.0917	0.0040	0.010	ug/l	0.101	ND	90	65-135			
gamma-BHC (Lindane)	0.102	0.0030	0.010	ug/l	0.101	ND	101	65-135			
Heptachlor	0.0957	0.0017	0.010	ug/l	0.101	ND	94	65-135			
Heptachlor epoxide	0.0997	0.0019	0.010	ug/l	0.101	ND	98	65-135			
Methoxychlor	0.121	0.0030	0.010	ug/l	0.101	ND	120	65-135			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.100*			*ug/l*	*0.101*		*99*	*70-130*			
Matrix Spike Dup (W2H1280-MSD1)	**Source: 1G28007-01**				**Prepared: 08/16/22**	**Analyzed: 08/20/22**					
4,4´-DDD	0.0824	0.0030	0.010	ug/l	0.101	ND	82	65-135	27	30	
4,4´-DDE	0.0646	0.0018	0.010	ug/l	0.101	ND	64	65-135	35	30	MS-01, R-02
4,4´-DDT	0.0715	0.0030	0.010	ug/l	0.101	ND	71	65-135	33	30	R-02
Aldrin	0.0480	0.0040	0.010	ug/l	0.101	ND	48	65-135	54	30	MS-01, R-02
alpha-BHC	0.0938	0.0019	0.010	ug/l	0.101	ND	93	65-135	9	30	
beta-BHC	0.0895	0.0024	0.010	ug/l	0.101	ND	89	65-135	10	30	
delta-BHC	0.0955	0.0030	0.010	ug/l	0.101	ND	95	65-135	9	30	
Dieldrin	0.0755	0.0030	0.010	ug/l	0.101	ND	75	65-135	19	30	
Endosulfan I	0.0788	0.0030	0.010	ug/l	0.101	ND	78	65-135	15	30	
Endosulfan II	0.0785	0.0016	0.010	ug/l	0.101	ND	78	65-135	18	30	
Endosulfan sulfate	0.102	0.0030	0.010	ug/l	0.101	ND	101	65-135	14	30	
Endrin	0.0837	0.0013	0.010	ug/l	0.101	ND	83	65-135	19	30	
Endrin aldehyde	0.0728	0.0040	0.010	ug/l	0.101	ND	72	65-135	23	30	
gamma-BHC (Lindane)	0.0933	0.0030	0.010	ug/l	0.101	ND	93	65-135	9	30	
Heptachlor	0.0757	0.0017	0.010	ug/l	0.101	ND	75	65-135	23	30	
Heptachlor epoxide	0.0874	0.0019	0.010	ug/l	0.101	ND	87	65-135	13	30	
Methoxychlor	0.0974	0.0030	0.010	ug/l	0.101	ND	97	65-135	22	30	
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0930*			*ug/l*	*0.101*		*92*	*70-130*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0401 - EPA 549.2											
Blank (W2H0401-BLK1)					**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	ND	0.90	4.0	ug/l							
Paraquat	ND	1.2	4.0	ug/l							
LCS (W2H0401-BS1)					**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	14.7	0.90	4.0	ug/l	20.0		73	70-130			
Paraquat	17.4	1.2	4.0	ug/l	20.0		87	70-130			
Matrix Spike (W2H0401-MS1)	**Source: 2H02052-01**				**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	13.8	0.90	4.0	ug/l	20.0	ND	69	46-122			
Paraquat	15.7	1.2	4.0	ug/l	20.0	ND	78	38-129			
Matrix Spike Dup (W2H0401-MSD1)	**Source: 2H02052-01**				**Prepared: 08/04/22**	**Analyzed: 08/17/22**					
Diquat	15.2	0.90	4.0	ug/l	20.0	ND	76	46-122	10	30	
Paraquat	17.8	1.2	4.0	ug/l	20.0	ND	89	38-129	13	30	

Quality Control Results

(Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0594 - EPA 548.1											
Blank (W2H0594-BLK1)					**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	ND	11	40	ug/l							
Blank (W2H0594-BLK2)					**Prepared: 08/09/22**	**Analyzed: 08/13/22**					
Endothall	ND	11	40	ug/l							QC-2
LCS (W2H0594-BS1)					**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	99.1	11	40	ug/l	100		99	31-117			
LCS (W2H0594-BS2)					**Prepared: 08/09/22**	**Analyzed: 08/13/22**					
Endothall	97.1	11	40	ug/l	100		97	31-117			QC-2
Matrix Spike (W2H0594-MS1)	**Source: 2H05046-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	7.75	0.0	80	ug/l	200	ND	4	0.1-109			J
Matrix Spike (W2H0594-MS2)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	22.6	22	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike Dup (W2H0594-MSD1)	**Source: 2H05046-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	9.41	0.0	80	ug/l	200	ND	5	0.1-109	200	30	R-03, J
Matrix Spike Dup (W2H0594-MSD2)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	22.7	22	80	ug/l	200	ND	11	0.1-109	0.7	30	J

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0546 - EPA 547											
Blank (W2H0546-BLK1)					**Prepared & Analyzed: 08/05/22**						
Glyphosate	ND	1.8	5.0	ug/l							
Blank (W2H0546-BLK2)					**Prepared: 08/05/22 Analyzed: 08/08/22**						
Glyphosate	ND	1.8	5.0	ug/l							QC-2
LCS (W2H0546-BS1)					**Prepared & Analyzed: 08/05/22**						
Glyphosate	28.4	1.8	5.0	ug/l	25.0		114	70-130			
LCS (W2H0546-BS2)					**Prepared: 08/05/22 Analyzed: 08/08/22**						
Glyphosate	28.1	1.8	5.0	ug/l	25.0		112	70-130			QC-2
Matrix Spike (W2H0546-MS1)	**Source: 1G28007-01**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	22.4	1.8	5.0	ug/l	25.0	ND	90	41-149			
Matrix Spike (W2H0546-MS2)	**Source: 2G22002-02**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	29.6	1.8	5.0	ug/l	25.0	ND	118	41-149			
Matrix Spike Dup (W2H0546-MSD1)	**Source: 1G28007-01**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	30.0	1.8	5.0	ug/l	25.0	ND	120	41-149	29	30	
Matrix Spike Dup (W2H0546-MSD2)	**Source: 2G22002-02**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	31.4	1.8	5.0	ug/l	25.0	ND	125	41-149	6	30	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0521 - EPA 552.3											
Blank (W2H0521-BLK1)					**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	0.31	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
LCS (W2H0521-BS1)					**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	9.88	0.28	1.0	ug/l	10.0		99	70-130			
Dichloroacetic acid (dcaa)	9.94	0.29	1.0	ug/l	10.0		99	70-130			
Monobromoacetic acid (mbaa)	9.72	0.34	1.0	ug/l	10.0		97	70-130			
Monochloroacetic acid (mcaa)	9.60	0.31	2.0	ug/l	10.0		96	70-130			
Trichloroacetic acid (tcaa)	10.1	0.29	1.0	ug/l	10.0		101	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.3*			*ug/l*	*10.0*		*103*	*70-130*			
Matrix Spike (W2H0521-MS1)	**Source: 2G29041-01**				**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	11.2	0.28	1.0	ug/l	10.0	1.08	101	70-130			
Dichloroacetic acid (dcaa)	10.4	0.29	1.0	ug/l	10.0	0.482	99	70-130			
Monobromoacetic acid (mbaa)	9.55	0.34	1.0	ug/l	10.0	ND	95	70-130			
Monochloroacetic acid (mcaa)	5.68	0.31	2.0	ug/l	10.0	0.945	47	70-130			MS-01
Trichloroacetic acid (tcaa)	10.6	0.29	1.0	ug/l	10.0	0.831	98	70-130			
Surrogate(s)											
2-Bromobutyric acid	*9.54*			*ug/l*	*10.0*		*95*	*70-130*			
Matrix Spike Dup (W2H0521-MSD1)	**Source: 2G29041-01**				**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	10.7	0.28	1.0	ug/l	10.0	1.08	96	70-130	5	30	
Dichloroacetic acid (dcaa)	10.4	0.29	1.0	ug/l	10.0	0.482	99	70-130	0.4	30	
Monobromoacetic acid (mbaa)	9.92	0.34	1.0	ug/l	10.0	ND	99	70-130	4	30	
Monochloroacetic acid (mcaa)	6.18	0.31	2.0	ug/l	10.0	0.945	52	70-130	8	30	MS-01
Trichloroacetic acid (tcaa)	10.3	0.29	1.0	ug/l	10.0	0.831	95	70-130	3	30	
Surrogate(s)											
2-Bromobutyric acid	*9.14*			*ug/l*	*10.0*		*91*	*70-130*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0547 - EPA 218.6											
Blank (W2H0547-BLK1)					**Prepared & Analyzed: 08/05/22**						
Chromium 6+	ND	0.0079	0.020	ug/l							
LCS (W2H0547-BS1)					**Prepared & Analyzed: 08/05/22**						
Chromium 6+	5.03	0.0079	0.020	ug/l	5.00		101	90-110			
Matrix Spike (W2H0547-MS1)	**Source: 2G26003-01**				**Prepared & Analyzed: 08/05/22**						
Chromium 6+	5.16	0.0079	0.020	ug/l	5.00	ND	103	88-112			
Matrix Spike (W2H0547-MS2)	**Source: 2H01109-01**				**Prepared & Analyzed: 08/05/22**						
Chromium 6+	6.15	0.0079	0.020	ug/l	5.00	0.793	107	88-112			
Matrix Spike Dup (W2H0547-MSD1)	**Source: 2G26003-01**				**Prepared & Analyzed: 08/05/22**						
Chromium 6+	5.23	0.0079	0.020	ug/l	5.00	ND	105	88-112	1	10	
Matrix Spike Dup (W2H0547-MSD2)	**Source: 2H01109-01**				**Prepared & Analyzed: 08/05/22**						
Chromium 6+	6.09	0.0079	0.020	ug/l	5.00	0.793	106	88-112	1	10	

Quality Control Results

(Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0652 - EPA 1625B											
Blank (W2H0652-BLK1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l							
LCS (W2H0652-BS1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	1.95	0.66	2.0	ng/l	2.00		97	50-150			J
LCS Dup (W2H0652-BSD1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	1.86	0.66	2.0	ng/l	2.00		93	50-150	4	50	J

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0443 - EPA 1694M											
Blank (W2H0443-BLK1)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
17-b-Estradiol	ND	4.0	4.0	ng/l							
Ibuprofen	ND	4.0	4.0	ng/l							
Iohexol	ND	5.0	5.0	ng/l							
Sucralose	ND	20	20	ng/l							
Surrogate(s)											
17-b-Estradiol-d3	*189*			*ng/l*	*200*		*95*	*20-500*			
Ibuprofen-d3	*211*			*ng/l*	*200*		*105*	*20-500*			
Iohexol-d5	*514*			*ng/l*	*500*		*103*	*20-500*			
Sucralose-d6	*1130*			*ng/l*	*1000*		*113*	*20-500*			
Blank (W2H0443-BLK2)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
17-b-Estradiol	ND	4.0	4.0	ng/l							QC-2
Ibuprofen	ND	4.0	4.0	ng/l							QC-2
Iohexol	ND	5.0	5.0	ng/l							QC-2
Sucralose	ND	20	20	ng/l							QC-2
Surrogate(s)											
17-b-Estradiol-d3	*174*			*ng/l*	*200*		*87*	*20-500*			*QC-2*
Ibuprofen-d3	*229*			*ng/l*	*200*		*115*	*20-500*			*QC-2*
Iohexol-d5	*627*			*ng/l*	*500*		*125*	*20-500*			*QC-2*
Sucralose-d6	*1050*			*ng/l*	*1000*		*105*	*20-500*			*QC-2*
LCS (W2H0443-BS1)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
17-b-Estradiol	38.0	4.0	4.0	ng/l	40.0		95	50-150			
Ibuprofen	33.7	4.0	4.0	ng/l	40.0		84	50-150			
Iohexol	49.5	5.0	5.0	ng/l	50.0		99	50-150			
Sucralose	213	20	20	ng/l	200		106	50-150			
Surrogate(s)											
17-b-Estradiol-d3	*202*			*ng/l*	*200*		*101*	*20-500*			
Ibuprofen-d3	*197*			*ng/l*	*200*		*99*	*20-500*			
Iohexol-d5	*469*			*ng/l*	*500*		*94*	*20-500*			
Sucralose-d6	*1070*			*ng/l*	*1000*		*107*	*20-500*			
LCS (W2H0443-BS2)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
17-b-Estradiol	38.7	4.0	4.0	ng/l	40.0		97	50-150			QC-2
Ibuprofen	49.9	4.0	4.0	ng/l	40.0		125	50-150			QC-2
Iohexol	45.3	5.0	5.0	ng/l	50.0		91	50-150			QC-2
Sucralose	226	20	20	ng/l	200		113	50-150			QC-2
Surrogate(s)											
17-b-Estradiol-d3	*187*			*ng/l*	*200*		*94*	*20-500*			*QC-2*
Ibuprofen-d3	*213*			*ng/l*	*200*		*106*	*20-500*			*QC-2*
Iohexol-d5	*611*			*ng/l*	*500*		*122*	*20-500*			*QC-2*
Sucralose-d6	*1030*			*ng/l*	*1000*		*103*	*20-500*			*QC-2*
Matrix Spike (W2H0443-MS1)	**Source: 2H03125-01RE1**				**Prepared: 08/04/22 Analyzed: 08/08/22**						

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0443 - EPA 1694M (Continued)											
Matrix Spike (W2H0443-MS1)	**Source: 2H03125-01RE1**				**Prepared: 08/04/22**	**Analyzed: 08/08/22**					
17-b-Estradiol	765	80	80	ng/l	800	ND	96	50-150			M-05
Ibuprofen	757	80	80	ng/l	800	ND	95	50-150			M-05
Iohexol	833	100	100	ng/l	1000	ND	83	50-150			M-05
Sucralose	13600	400	400	ng/l	4000	5030	214	50-150			M-05, MS-01
Surrogate(s)											
17-b-Estradiol-d3	*186*			*ng/l*	*200*		*93*	*20-500*			
Ibuprofen-d3	*214*			*ng/l*	*200*		*107*	*20-500*			
Iohexol-d5	*258*			*ng/l*	*500*		*52*	*20-500*			
Sucralose-d6	*501*			*ng/l*	*1000*		*50*	*20-500*			
Matrix Spike Dup (W2H0443-MSD1)	**Source: 2H03125-01RE1**				**Prepared: 08/04/22**	**Analyzed: 08/08/22**					
17-b-Estradiol	707	80	80	ng/l	800	ND	88	50-150	8	30	M-05
Ibuprofen	850	80	80	ng/l	800	ND	106	50-150	12	30	M-05
Iohexol	982	100	100	ng/l	1000	ND	98	50-150	16	30	M-05
Sucralose	9640	400	400	ng/l	4000	5030	115	50-150	34	30	M-05, R-02
Surrogate(s)											
17-b-Estradiol-d3	*204*			*ng/l*	*200*		*102*	*20-500*			
Ibuprofen-d3	*196*			*ng/l*	*200*		*98*	*20-500*			
Iohexol-d5	*320*			*ng/l*	*500*		*64*	*20-500*			
Sucralose-d6	*623*			*ng/l*	*1000*		*62*	*20-500*			
Batch: W2H0444 - EPA 1694M											
Blank (W2H0444-BLK1)					**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	ND	4.0	4.0	ng/l							
Diclofenac	ND	4.0	4.0	ng/l							
Diethylstilbestrol	ND	4.0	4.0	ng/l							
Epitestosterone	ND	4.0	4.0	ng/l							
Estriol	ND	4.0	4.0	ng/l							
Estrone	ND	4.0	4.0	ng/l							
Galaxolide (HHCB)	ND	40	40	ng/l							
Gemfibrozil	ND	4.0	4.0	ng/l							
Hydrochlorothiazide	ND	20	20	ng/l							
Iopromide	ND	4.0	4.0	ng/l							
Naproxen	ND	4.0	4.0	ng/l							
Phenytoin (Dilantin)	ND	4.0	4.0	ng/l							
Primidone	ND	4.0	4.0	ng/l							
Salicylic Acid	ND	100	100	ng/l							
TDCPP	ND	50	50	ng/l							
Testosterone	ND	4.0	4.0	ng/l							
Triclosan	ND	8.0	8.0	ng/l							
Surrogate(s)											

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
Blank (W2H0444-BLK1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
17-a-Ethynylestradiol-d4	*187*			*ng/l*	*200*		*93*	*20-500*			
Bisphenol A-d16	*176*			*ng/l*	*200*		*88*	*20-500*			
Estriol-d2	*202*			*ng/l*	*200*		*101*	*20-500*			
Gemfibrozil-d6	*86.2*			*ng/l*	*100*		*86*	*20-500*			
Naproxen-d3	*215*			*ng/l*	*200*		*108*	*20-500*			
Phenytoin-d10	*198*			*ng/l*	*200*		*99*	*20-500*			
Primidone-d5	*203*			*ng/l*	*200*		*102*	*20-500*			
Progesterone-d9	*180*			*ng/l*	*200*		*90*	*20-500*			
Salicylic Acid-d4	*505*			*ng/l*	*500*		*101*	*20-500*			
Testosterone-d3	*217*			*ng/l*	*200*		*108*	*20-500*			
Triclosan-d3	*306*			*ng/l*	*400*		*76*	*20-500*			
Blank (W2H0444-BLK2)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	ND	4.0	4.0	ng/l							QC-2
Progesterone	ND	4.0	4.0	ng/l							QC-2
Surrogate(s)											
Bisphenol A-d16	*177*			*ng/l*	*200*		*89*	*20-500*			*QC-2*
Progesterone-d9	*189*			*ng/l*	*200*		*94*	*20-500*			*QC-2*
LCS (W2H0444-BS1)					**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	35.7	4.0	4.0	ng/l	40.0		89	50-150			
Diclofenac	34.5	4.0	4.0	ng/l	40.0		86	50-150			
Diethylstilbestrol	36.1	4.0	4.0	ng/l	40.0		90	50-150			
Epitestosterone	41.9	4.0	4.0	ng/l	40.0		105	50-150			
Estriol	39.5	4.0	4.0	ng/l	40.0		99	50-150			
Estrone	34.5	4.0	4.0	ng/l	40.0		86	50-150			
Galaxolide (HHCB)	388	40	40	ng/l	400		97	50-150			
Gemfibrozil	38.5	4.0	4.0	ng/l	40.0		96	50-150			
Hydrochlorothiazide	190	20	20	ng/l	200		95	50-150			
Iopromide	41.7	4.0	4.0	ng/l	40.0		104	50-150			
Naproxen	43.0	4.0	4.0	ng/l	40.0		108	50-150			
Phenytoin (Dilantin)	37.1	4.0	4.0	ng/l	40.0		93	50-150			
Primidone	38.1	4.0	4.0	ng/l	40.0		95	50-150			
Salicylic Acid	922	100	100	ng/l	1000		92	50-150			
TDCPP	488	50	50	ng/l	500		98	50-150			
Testosterone	37.1	4.0	4.0	ng/l	40.0		93	50-150			
Triclosan	81.8	8.0	8.0	ng/l	80.0		102	50-150			
Surrogate(s)											
17-a-Ethynylestradiol-d4	*186*			*ng/l*	*200*		*93*	*20-500*			
Bisphenol A-d16	*170*			*ng/l*	*200*		*85*	*20-500*			
Estriol-d2	*192*			*ng/l*	*200*		*96*	*20-500*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
LCS (W2H0444-BS1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Gemfibrozil-d6	*90.3*			*ng/l*	*100*		*90*	*20-500*			
Naproxen-d3	*199*			*ng/l*	*200*		*99*	*20-500*			
Phenytoin-d10	*209*			*ng/l*	*200*		*104*	*20-500*			
Primidone-d5	*212*			*ng/l*	*200*		*106*	*20-500*			
Progesterone-d9	*185*			*ng/l*	*200*		*93*	*20-500*			
Salicylic Acid-d4	*519*			*ng/l*	*500*		*104*	*20-500*			
Testosterone-d3	*210*			*ng/l*	*200*		*105*	*20-500*			
Triclosan-d3	*351*			*ng/l*	*400*		*88*	*20-500*			
LCS (W2H0444-BS2)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	31.5	4.0	4.0	ng/l	40.0		79	50-150			QC-2
Progesterone	44.0	4.0	4.0	ng/l	40.0		110	50-150			QC-2
Surrogate(s)											
Bisphenol A-d16	*193*			*ng/l*	*200*		*96*	*20-500*			*QC-2*
Progesterone-d9	*196*			*ng/l*	*200*		*98*	*20-500*			*QC-2*
Matrix Spike (W2H0444-MS1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	33.0	4.0	4.0	ng/l	40.0	ND	82	50-150			
Diclofenac	33.2	4.0	4.0	ng/l	40.0	ND	83	50-150			
Diethylstilbestrol	32.9	4.0	4.0	ng/l	40.0	ND	82	50-150			
Epitestosterone	43.6	4.0	4.0	ng/l	40.0	ND	109	50-150			
Estriol	46.1	4.0	4.0	ng/l	40.0	ND	115	50-150			
Estrone	37.1	4.0	4.0	ng/l	40.0	ND	93	50-150			
Galaxolide (HHCB)	187	40	40	ng/l	400	ND	47	50-150			MS-01
Gemfibrozil	32.8	4.0	4.0	ng/l	40.0	ND	82	50-150			
Hydrochlorothiazide	160	20	20	ng/l	200	ND	80	50-150			
Iopromide	39.7	4.0	4.0	ng/l	40.0	ND	99	50-150			
Naproxen	39.6	4.0	4.0	ng/l	40.0	ND	99	50-150			
Phenytoin (Dilantin)	36.5	4.0	4.0	ng/l	40.0	ND	91	50-150			
Primidone	50.5	4.0	4.0	ng/l	40.0	ND	126	50-150			
Salicylic Acid	959	100	100	ng/l	1000	ND	96	50-150			
TDCPP	495	50	50	ng/l	500	ND	99	50-150			
Testosterone	38.1	4.0	4.0	ng/l	40.0	ND	95	50-150			
Triclosan	73.0	8.0	8.0	ng/l	80.0	ND	91	50-150			
Surrogate(s)											
17-a-Ethynylestradiol-d4	*287*			*ng/l*	*200*		*143*	*20-500*			
Bisphenol A-d16	*259*			*ng/l*	*200*		*129*	*20-500*			
Estriol-d2	*204*			*ng/l*	*200*		*102*	*20-500*			
Gemfibrozil-d6	*130*			*ng/l*	*100*		*130*	*20-500*			
Naproxen-d3	*226*			*ng/l*	*200*		*113*	*20-500*			
Phenytoin-d10	*204*			*ng/l*	*200*		*102*	*20-500*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
Matrix Spike (W2H0444-MS1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Primidone-d5	*60.6*			*ng/l*	*200*		*30*	*20-500*			
Progesterone-d9	*192*			*ng/l*	*200*		*96*	*20-500*			
Salicylic Acid-d4	*418*			*ng/l*	*500*		*84*	*20-500*			
Testosterone-d3	*203*			*ng/l*	*200*		*101*	*20-500*			
Triclosan-d3	*784*			*ng/l*	*400*		*196*	*20-500*			
Matrix Spike (W2H0444-MS2)	**Source: 2H03125-01**				**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	37.8	4.0	4.0	ng/l	40.0	9.78	70	50-150			QC-2
Progesterone	37.2	4.0	4.0	ng/l	40.0	11.3	65	50-150			QC-2
Surrogate(s)											
Bisphenol A-d16	*271*			*ng/l*	*200*		*136*	*20-500*			*QC-2*
Progesterone-d9	*185*			*ng/l*	*200*		*93*	*20-500*			*QC-2*
Matrix Spike Dup (W2H0444-MSD1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	33.9	4.0	4.0	ng/l	40.0	ND	85	50-150	3	30	
Diclofenac	29.1	4.0	4.0	ng/l	40.0	ND	73	50-150	13	30	
Diethylstilbestrol	32.5	4.0	4.0	ng/l	40.0	ND	81	50-150	1	30	
Epitestosterone	52.0	4.0	4.0	ng/l	40.0	ND	130	50-150	18	30	
Estriol	35.8	4.0	4.0	ng/l	40.0	ND	89	50-150	25	30	
Estrone	33.5	4.0	4.0	ng/l	40.0	ND	84	50-150	10	30	
Galaxolide (HHCB)	271	40	40	ng/l	400	ND	68	50-150	37	30	R-02
Gemfibrozil	36.8	4.0	4.0	ng/l	40.0	ND	92	50-150	11	30	
Hydrochlorothiazide	159	20	20	ng/l	200	ND	79	50-150	0.9	30	
Iopromide	35.6	4.0	4.0	ng/l	40.0	ND	89	50-150	11	30	
Naproxen	50.0	4.0	4.0	ng/l	40.0	ND	125	50-150	23	30	
Phenytoin (Dilantin)	37.4	4.0	4.0	ng/l	40.0	ND	93	50-150	2	30	
Primidone	51.4	4.0	4.0	ng/l	40.0	ND	128	50-150	2	30	
Salicylic Acid	933	100	100	ng/l	1000	ND	93	50-150	3	30	
TDCPP	467	50	50	ng/l	500	ND	93	50-150	6	30	
Testosterone	37.7	4.0	4.0	ng/l	40.0	ND	94	50-150	1	30	
Triclosan	68.6	8.0	8.0	ng/l	80.0	ND	86	50-150	6	30	
Surrogate(s)											
17-a-Ethynylestradiol-d4	*237*			*ng/l*	*200*		*119*	*20-500*			
Bisphenol A-d16	*187*			*ng/l*	*200*		*94*	*20-500*			
Estriol-d2	*202*			*ng/l*	*200*		*101*	*20-500*			
Gemfibrozil-d6	*91.0*			*ng/l*	*100*		*91*	*20-500*			
Naproxen-d3	*135*			*ng/l*	*200*		*67*	*20-500*			
Phenytoin-d10	*195*			*ng/l*	*200*		*98*	*20-500*			
Primidone-d5	*61.8*			*ng/l*	*200*		*31*	*20-500*			
Progesterone-d9	*211*			*ng/l*	*200*		*105*	*20-500*			
Salicylic Acid-d4	*442*			*ng/l*	*500*		*88*	*20-500*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0444-MSD1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Testosterone-d3	*185*			*ng/l*	*200*		*92*	*20-500*			
Triclosan-d3	*719*			*ng/l*	*400*		*180*	*20-500*			
Matrix Spike Dup (W2H0444-MSD2)	**Source: 2H03125-01**				**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	30.6	4.0	4.0	ng/l	40.0	9.78	52	50-150	21	30	QC-2
Progesterone	32.1	4.0	4.0	ng/l	40.0	11.3	52	50-150	15	30	QC-2
Surrogate(s)											
Bisphenol A-d16	*259*			*ng/l*	*200*		*129*	*20-500*			QC-2
Progesterone-d9	*195*			*ng/l*	*200*		*98*	*20-500*			QC-2
Batch: W2H0445 - EPA 1694M											
Blank (W2H0445-BLK1)					**Prepared & Analyzed: 08/04/22**						
Acetaminophen	ND	5.0	5.0	ng/l							
Amoxicillin	ND	20	20	ng/l							
Atenolol	ND	4.0	4.0	ng/l							
Atorvastatin	ND	4.0	4.0	ng/l							
Azithromycin	ND	20	20	ng/l							
Caffeine	ND	4.0	4.0	ng/l							
Carbamazepine	ND	4.0	4.0	ng/l							
Ciprofloxacin	ND	20	20	ng/l							
Cotinine	ND	8.0	8.0	ng/l							
DEET	ND	4.0	4.0	ng/l							
Diazepam	ND	4.0	4.0	ng/l							
Fluoxetine	ND	4.0	4.0	ng/l							
Meprobamate	ND	4.0	4.0	ng/l							
Methadone	ND	4.0	4.0	ng/l							
Sulfamethoxazole	ND	4.0	4.0	ng/l							
TCEP	ND	10	10	ng/l							
TCPP	ND	50	50	ng/l							
Trimethoprim	ND	4.0	4.0	ng/l							
Surrogate(s)											
Acetaminophen-d4	*3090*			*ng/l*	*3000*		*103*	*20-500*			
Amoxicillin-d4	*59100*			*ng/l*	*62500*		*95*	*20-500*			
Atenolol-d7	*388*			*ng/l*	*400*		*97*	*20-500*			
Azithromycin-d3	*2250*			*ng/l*	*2000*		*112*	*20-500*			
Caffeine-13C3	*196*			*ng/l*	*200*		*98*	*20-500*			
Carbamazepine- 13C2, d2	*40.6*			*ng/l*	*40.0*		*101*	*20-500*			
Ciprofloxacin-d8	*1050*			*ng/l*	*1000*		*105*	*20-500*			
Cotinine-d3	*210*			*ng/l*	*200*		*105*	*20-500*			
DEET-d7	*18.6*			*ng/l*	*20.0*		*93*	*20-500*			
Diazepam-d5	*1780*			*ng/l*	*2000*		*89*	*20-500*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0445 - EPA 1694M (Continued)											
Blank (W2H0445-BLK1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Fluoxetine-d5	*214*			*ng/l*	*200*		*107*	*20-500*			
Methadone-d3	*45.0*			*ng/l*	*40.0*		*112*	*20-500*			
Sulfamethoxazole-d4	*194*			*ng/l*	*200*		*97*	*20-500*			
Trimethoprim-d9	*189*			*ng/l*	*200*		*94*	*20-500*			
LCS (W2H0445-BS1)					**Prepared & Analyzed: 08/04/22**						
Acetaminophen	50.1	5.0	5.0	ng/l	50.0		100	50-150			
Amoxicillin	171	20	20	ng/l	200		85	50-150			
Atenolol	38.0	4.0	4.0	ng/l	40.0		95	50-150			
Atorvastatin	42.3	4.0	4.0	ng/l	40.0		106	50-150			
Azithromycin	175	20	20	ng/l	200		88	50-150			
Caffeine	38.2	4.0	4.0	ng/l	40.0		96	50-150			
Carbamazepine	41.6	4.0	4.0	ng/l	40.0		104	50-150			
Ciprofloxacin	186	20	20	ng/l	200		93	50-150			
Cotinine	75.2	8.0	8.0	ng/l	80.0		94	50-150			
DEET	38.8	4.0	4.0	ng/l	40.0		97	50-150			
Diazepam	40.3	4.0	4.0	ng/l	40.0		101	50-150			
Fluoxetine	40.1	4.0	4.0	ng/l	40.0		100	50-150			
Meprobamate	36.5	4.0	4.0	ng/l	40.0		91	50-150			
Methadone	39.3	4.0	4.0	ng/l	40.0		98	50-150			
Propranolol	38.1	4.0	4.0	ng/l	40.0		95	50-150			
Sulfamethoxazole	35.7	4.0	4.0	ng/l	40.0		89	50-150			
TCEP	118	10	10	ng/l	100		118	50-150			
TCPP	539	50	50	ng/l	500		108	50-150			
Trimethoprim	38.9	4.0	4.0	ng/l	40.0		97	50-150			
Surrogate(s)											
Acetaminophen-d4	*3110*			*ng/l*	*3000*		*104*	*20-500*			
Amoxicillin-d4	*52300*			*ng/l*	*62500*		*84*	*20-500*			
Atenolol-d7	*385*			*ng/l*	*400*		*96*	*20-500*			
Azithromycin-d3	*2630*			*ng/l*	*2000*		*131*	*20-500*			
Caffeine-13C3	*197*			*ng/l*	*200*		*98*	*20-500*			
Carbamazepine- 13C2, d2	*36.8*			*ng/l*	*40.0*		*92*	*20-500*			
Ciprofloxacin-d8	*832*			*ng/l*	*1000*		*83*	*20-500*			
Cotinine-d3	*205*			*ng/l*	*200*		*102*	*20-500*			
DEET-d7	*20.8*			*ng/l*	*20.0*		*104*	*20-500*			
Diazepam-d5	*1780*			*ng/l*	*2000*		*89*	*20-500*			
Fluoxetine-d5	*221*			*ng/l*	*200*		*110*	*20-500*			
Methadone-d3	*44.9*			*ng/l*	*40.0*		*112*	*20-500*			
Sulfamethoxazole-d4	*188*			*ng/l*	*200*		*94*	*20-500*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0445 - EPA 1694M (Continued)											
LCS (W2H0445-BS1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Trimethoprim-d9	*202*			*ng/l*	*200*		*101*	*20-500*			
Matrix Spike (W2H0445-MS1)	**Source: 2H03125-01**				**Prepared & Analyzed: 08/04/22**						
Acetaminophen	52.6	5.0	5.0	ng/l	50.0	ND	105	50-150			
Amoxicillin	195	20	20	ng/l	200	ND	97	50-150			
Atenolol	37.3	4.0	4.0	ng/l	40.0	ND	93	50-150			
Atorvastatin	53.1	4.0	4.0	ng/l	40.0	ND	133	50-150			
Azithromycin	157	20	20	ng/l	200	56.8	50	50-150			
Caffeine	41.1	4.0	4.0	ng/l	40.0	7.24	85	50-150			
Carbamazepine	46.9	4.0	4.0	ng/l	40.0	ND	117	50-150			
Ciprofloxacin	217	20	20	ng/l	200	ND	109	50-150			
Cotinine	76.2	8.0	8.0	ng/l	80.0	ND	95	50-150			
DEET	35.1	4.0	4.0	ng/l	40.0	ND	88	50-150			
Diazepam	35.1	4.0	4.0	ng/l	40.0	ND	88	50-150			
Fluoxetine	35.9	4.0	4.0	ng/l	40.0	ND	90	50-150			
Meprobamate	25.1	4.0	4.0	ng/l	40.0	ND	63	50-150			
Methadone	39.0	4.0	4.0	ng/l	40.0	ND	98	50-150			
Sulfamethoxazole	38.4	4.0	4.0	ng/l	40.0	ND	96	50-150			
TCEP	132	10	10	ng/l	100	ND	132	50-150			
TCPP	649	50	50	ng/l	500	86.4	112	50-150			
Trimethoprim	39.8	4.0	4.0	ng/l	40.0	ND	100	50-150			
Surrogate(s)											
Acetaminophen-d4	*3470*			*ng/l*	*3000*		*116*	*20-500*			
Amoxicillin-d4	*192000*			*ng/l*	*62500*		*307*	*20-500*			
Atenolol-d7	*346*			*ng/l*	*400*		*86*	*20-500*			
Azithromycin-d3	*1690*			*ng/l*	*2000*		*85*	*20-500*			
Caffeine-13C3	*355*			*ng/l*	*200*		*177*	*20-500*			
Carbamazepine- 13C2, d2	*32.5*			*ng/l*	*40.0*		*81*	*20-500*			
Ciprofloxacin-d8	*1780*			*ng/l*	*1000*		*178*	*20-500*			
Cotinine-d3	*170*			*ng/l*	*200*		*85*	*20-500*			
DEET-d7	*23.3*			*ng/l*	*20.0*		*117*	*20-500*			
Diazepam-d5	*1920*			*ng/l*	*2000*		*96*	*20-500*			
Fluoxetine-d5	*127*			*ng/l*	*200*		*63*	*20-500*			
Methadone-d3	*41.7*			*ng/l*	*40.0*		*104*	*20-500*			
Sulfamethoxazole-d4	*439*			*ng/l*	*200*		*220*	*20-500*			
Trimethoprim-d9	*158*			*ng/l*	*200*		*79*	*20-500*			
Matrix Spike Dup (W2H0445-MSD1)	**Source: 2H03125-01**				**Prepared & Analyzed: 08/04/22**						
Acetaminophen	49.3	5.0	5.0	ng/l	50.0	ND	99	50-150	6	30	
Amoxicillin	163	20	20	ng/l	200	ND	82	50-150	18	30	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0445 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0445-MSD1)	**Source: 2H03125-01**				**Prepared & Analyzed: 08/04/22**						
Atenolol	41.3	4.0	4.0	ng/l	40.0	ND	103	50-150	10	30	
Atorvastatin	52.2	4.0	4.0	ng/l	40.0	ND	130	50-150	2	30	
Azithromycin	165	20	20	ng/l	200	56.8	54	50-150	5	30	
Caffeine	45.1	4.0	4.0	ng/l	40.0	7.24	95	50-150	9	30	
Carbamazepine	40.7	4.0	4.0	ng/l	40.0	ND	102	50-150	14	30	
Ciprofloxacin	205	20	20	ng/l	200	ND	102	50-150	6	30	
Cotinine	75.0	8.0	8.0	ng/l	80.0	ND	94	50-150	2	30	
DEET	38.4	4.0	4.0	ng/l	40.0	ND	96	50-150	9	30	
Diazepam	33.7	4.0	4.0	ng/l	40.0	ND	84	50-150	4	30	
Fluoxetine	37.1	4.0	4.0	ng/l	40.0	ND	93	50-150	3	30	
Meprobamate	24.9	4.0	4.0	ng/l	40.0	ND	62	50-150	0.7	30	
Methadone	39.8	4.0	4.0	ng/l	40.0	ND	99	50-150	2	30	
Sulfamethoxazole	38.0	4.0	4.0	ng/l	40.0	ND	95	50-150	1	30	
TCEP	122	10	10	ng/l	100	ND	122	50-150	8	30	
TCPP	651	50	50	ng/l	500	86.4	113	50-150	0.4	30	
Trimethoprim	37.5	4.0	4.0	ng/l	40.0	ND	94	50-150	6	30	
Surrogate(s)											
Acetaminophen-d4	*3540*			*ng/l*	*3000*		*118*	*20-500*			
Amoxicillin-d4	*185000*			*ng/l*	*62500*		*297*	*20-500*			
Atenolol-d7	*339*			*ng/l*	*400*		*85*	*20-500*			
Azithromycin-d3	*1640*			*ng/l*	*2000*		*82*	*20-500*			
Caffeine-13C3	*376*			*ng/l*	*200*		*188*	*20-500*			
Carbamazepine- 13C2, d2	*38.1*			*ng/l*	*40.0*		*95*	*20-500*			
Ciprofloxacin-d8	*1900*			*ng/l*	*1000*		*190*	*20-500*			
Cotinine-d3	*166*			*ng/l*	*200*		*83*	*20-500*			
DEET-d7	*20.0*			*ng/l*	*20.0*		*100*	*20-500*			
Diazepam-d5	*1950*			*ng/l*	*2000*		*98*	*20-500*			
Fluoxetine-d5	*124*			*ng/l*	*200*		*62*	*20-500*			
Methadone-d3	*41.0*			*ng/l*	*40.0*		*102*	*20-500*			
Sulfamethoxazole-d4	*504*			*ng/l*	*200*		*252*	*20-500*			
Trimethoprim-d9	*173*			*ng/l*	*200*		*87*	*20-500*			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0720 - EPA 525.2											
Blank (W2H0720-BLK1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
Alachlor	ND	0.030	0.10	ug/l							
Atrazine	ND	0.011	0.10	ug/l							
Benzo (a) pyrene	ND	0.020	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l							
Bromacil	ND	0.070	0.50	ug/l							
Butachlor	ND	0.012	0.10	ug/l							
Captan	ND	0.32	1.0	ug/l							
Chlorpropham	ND	0.040	0.10	ug/l							
Diazinon	ND	0.022	0.10	ug/l							
Dimethoate	ND	0.020	0.20	ug/l							
Diphenamid	ND	0.030	0.10	ug/l							
Disulfoton	ND	0.015	0.10	ug/l							
EPTC	ND	0.020	0.10	ug/l							
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l							
Metolachlor	ND	0.030	0.10	ug/l							
Metribuzin	ND	0.030	0.10	ug/l							
Molinate	ND	0.030	0.10	ug/l							
Prometryn	ND	0.030	0.10	ug/l							
Simazine	ND	0.020	0.10	ug/l							
Terbacil	ND	0.090	2.0	ug/l							
Thiobencarb	ND	0.030	0.10	ug/l							
Trithion	ND	0.020	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.79*			*ug/l*	*5.00*		*96*	*70-130*			
Perylene-d12	*4.29*			*ug/l*	*5.00*		*86*	*50-120*			
Triphenyl phosphate	*4.54*			*ug/l*	*5.00*		*91*	*70-130*			
LCS (W2H0720-BS1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
Alachlor	9.18	0.030	0.10	ug/l	7.50		122	70-130			
Atrazine	4.92	0.011	0.10	ug/l	5.00		98	70-130			
Benzo (a) pyrene	5.12	0.020	0.10	ug/l	5.00		102	60-130			
Bis(2-ethylhexyl)adipate	5.27	0.42	2.0	ug/l	5.00		105	70-130			
Bis(2-ethylhexyl)phthalate	4.86	0.41	2.0	ug/l	5.00		97	70-130			
Bromacil	4.85	0.070	0.50	ug/l	5.00		97	70-130			
Butachlor	5.66	0.012	0.10	ug/l	5.00		113	70-130			
Captan	4.54	0.32	1.0	ug/l	5.00		91	70-130			
Chlorpropham	5.49	0.040	0.10	ug/l	5.00		110	70-130			
Diazinon	4.96	0.022	0.10	ug/l	5.00		99	50-120			
Dimethoate	3.20	0.020	0.20	ug/l	5.00		64	50-120			

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0720 - EPA 525.2 (Continued)											
LCS (W2H0720-BS1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
Diphenamid	5.15	0.030	0.10	ug/l	5.00		103	70-130			
Disulfoton	4.27	0.015	0.10	ug/l	5.00		85	50-120			
EPTC	5.90	0.020	0.10	ug/l	5.00		118	70-130			
Hexachlorocyclopentadiene	1.98	0.092	1.0	ug/l	2.50		79	33-106			
Metolachlor	5.63	0.030	0.10	ug/l	5.00		113	60-130			
Metribuzin	4.55	0.030	0.10	ug/l	5.00		91	50-120			
Molinate	4.68	0.030	0.10	ug/l	5.00		94	70-130			
Prometryn	2.75	0.030	0.10	ug/l	5.00		55	30-120			
Simazine	3.79	0.020	0.10	ug/l	5.00		76	60-130			
Terbacil	3.61	0.090	2.0	ug/l	5.00		72	70-130			
Thiobencarb	4.88	0.030	0.10	ug/l	5.00		98	70-130			
Trithion	4.60	0.020	0.10	ug/l	5.00		92	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.50*			*ug/l*	*5.00*		*90*	*70-130*			
Perylene-d12	*4.88*			*ug/l*	*5.00*		*98*	*50-120*			
Triphenyl phosphate	*5.33*			*ug/l*	*5.00*		*107*	*70-130*			
LCS Dup (W2H0720-BSD1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
Alachlor	8.66	0.030	0.10	ug/l	7.50		115	70-130	6	30	
Atrazine	4.88	0.011	0.10	ug/l	5.00		98	70-130	0.7	30	
Benzo (a) pyrene	4.74	0.020	0.10	ug/l	5.00		95	60-130	8	30	
Bis(2-ethylhexyl)adipate	5.31	0.42	2.0	ug/l	5.00		106	70-130	0.8	30	
Bis(2-ethylhexyl)phthalate	4.83	0.41	2.0	ug/l	5.00		97	70-130	0.8	30	
Bromacil	5.18	0.070	0.50	ug/l	5.00		104	70-130	7	30	
Butachlor	5.46	0.012	0.10	ug/l	5.00		109	70-130	4	30	
Captan	4.42	0.32	1.0	ug/l	5.00		88	70-130	3	30	
Chlorpropham	5.57	0.040	0.10	ug/l	5.00		111	70-130	2	30	
Diazinon	4.76	0.022	0.10	ug/l	5.00		95	50-120	4	30	
Dimethoate	3.37	0.020	0.20	ug/l	5.00		67	50-120	5	30	
Diphenamid	4.97	0.030	0.10	ug/l	5.00		99	70-130	4	30	
Disulfoton	4.14	0.015	0.10	ug/l	5.00		83	50-120	3	30	
EPTC	5.80	0.020	0.10	ug/l	5.00		116	70-130	2	30	
Hexachlorocyclopentadiene	2.06	0.092	1.0	ug/l	2.50		82	33-106	4	30	
Metolachlor	5.20	0.030	0.10	ug/l	5.00		104	60-130	8	30	
Metribuzin	4.51	0.030	0.10	ug/l	5.00		90	50-120	0.7	30	
Molinate	4.59	0.030	0.10	ug/l	5.00		92	70-130	2	30	
Prometryn	2.76	0.030	0.10	ug/l	5.00		55	30-120	0.7	30	
Simazine	3.71	0.020	0.10	ug/l	5.00		74	60-130	2	30	
Terbacil	3.88	0.090	2.0	ug/l	5.00		78	70-130	7	30	
Thiobencarb	4.32	0.030	0.10	ug/l	5.00		86	70-130	12	30	

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-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Quality Control Results (Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0720 - EPA 525.2 (Continued)											
LCS Dup (W2H0720-BSD1)					**Prepared: 08/09/22 Analyzed: 08/10/22**						
Trithion	4.39	0.020	0.10	ug/l	5.00		88	70-130	5	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.94*			*ug/l*	*5.00*		*99*	*70-130*			
Perylene-d12	*4.96*			*ug/l*	*5.00*		*99*	*50-120*			
Triphenyl phosphate	*5.47*			*ug/l*	*5.00*		*109*	*70-130*			

Quality Control Results (Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1133 - EPA 524.3											
Blank (W2H1133-BLK1)					**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.400*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.346*			*ug/l*	*0.400*		*86*	*70-130*			
LCS (W2H1133-BS1)					**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	0.0623	0.0042	0.010	ug/l	0.0500		125	70-130			
1,2-Dibromoethane (EDB)	0.0563	0.0029	0.020	ug/l	0.0500		113	70-130			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.397*			*ug/l*	*0.400*		*99*	*70-130*			
4-Bromofluorobenzene	*0.354*			*ug/l*	*0.400*		*89*	*70-130*			
Matrix Spike (W2H1133-MS1)	**Source: 2G15022-01**				**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	0.0588	0.0042	0.010	ug/l	0.0500	ND	118	65-135			
1,2-Dibromoethane (EDB)	0.0672	0.0029	0.020	ug/l	0.0500	ND	134	65-135			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.401*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.313*			*ug/l*	*0.400*		*78*	*70-130*			
Matrix Spike Dup (W2H1133-MSD1)	**Source: 2G15022-01**				**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	0.0547	0.0042	0.010	ug/l	0.0500	ND	109	65-135	7	30	
1,2-Dibromoethane (EDB)	0.0612	0.0029	0.020	ug/l	0.0500	ND	122	65-135	9	30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.399*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.303*			*ug/l*	*0.400*		*76*	*70-130*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466631

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:38

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
J	Estimated conc. detected <MRL and >MDL.
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.
M-06	Due to the high concentration of analyte inherent in the sample, sample was diluted prior to preparation and/or analysis. The MDL and MRL were raised due to this dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-01	The MDL and/or MRL 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.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

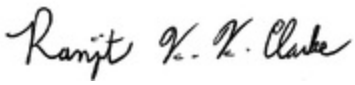
Lab Job Number: 466647
Report Level: II
Report Date: 08/15/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466647
Project No:	MALIBU
Location:	Annual
Date Received:	08/02/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-13	466647-001	08/02/22 14:40	Water
SMBRP-7B	466647-002	08/02/22 09:15	Water
LAMW-5S	466647-003	08/02/22 08:40	Water
SMBRP-11	466647-004	08/02/22 09:20	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001
Kiernan Brtalik

Lab Job Number: 466647
Project No: MALIBU
Location: Annual
Date Received: 08/02/22

This data package contains sample and QC results for four water samples, requested for the above referenced project on 08/02/22. The samples were received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- Low recoveries were observed for nitrogen, nitrite in the MS/MSD of SMBRP-13 (lab # 466647-001); the associated RPD was within limits.
- SMBRP-13 (lab # 466647-001) was diluted due to high chloride concentration.
- SMBRP-13 (lab # 466647-001) was diluted due to high sulfate concentration.
- 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 Dissolved Solids (TDS) (SM2540C):
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: 466647		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:	20-09665
Email:	KBrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	Malibu CC
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	LL, JB, kc

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	8.2.22	1440	GW	5	✓	X	X	X	X	X		
[redacted]												8.2 JB
[redacted]												8.2 JB
[redacted]												8.2 JB
SMBRP-7B	8.2.22	0915	GW	5	✓	X	X	X	X	X		
LAMW-5S	8.2.22	0840	GW	5	✓	X	X	X	X	X		
SMBRP-11	8.2.22	0920	GW	5	✓	X	X	X	X	X		
[redacted]												8.2 JB
[redacted]												8.2 JB

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jon Bridgen	Rincon	8.2.22 1457
1 Received By:		Gerardo Gawat	EA	8.2.22 1457
2 Relinquished By:		GGawat	EA	8.2.22 1731
2 Received By:		G. Kim	GA	8/2/22 1731
3 Relinquished By:				

7.9 | 3.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Annual

Date Received: 8/2/22 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: 7.9 #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: 3.7 #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: 8/2/22

ENTHALPY ANALYTICAL

Analysis Results for 466647

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466647
Project No: MALIBU
Location: Annual
Date Received: 08/02/22

Sample ID: SMBRP-13 **Lab ID: 466647-001** **Collected: 08/02/22 14:40**
Matrix: Water

466647-001 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	0.20	10	294193	08/02/22 19:16	08/03/22 04:20	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294193	08/02/22 19:16	08/03/22 04:20	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294193	08/02/22 19:16	08/03/22 04:20	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.87**		mg/L	0.40	0.12	1	294754	08/10/22	08/10/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.49**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.38**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.0054	1	294380	08/04/22	08/04/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	**1.0**		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**6,000**		mg/L	100		10	294477	08/04/22	08/05/22	DNA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466647

Sample ID: SMBRP-7B	Lab ID: 466647-002	Collected: 08/02/22 09:15
	Matrix: Water	

466647-002 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	294193	08/02/22 19:16	08/03/22 02:56	RKV
Nitrogen, Nitrate	**0.46**		mg/L	0.10	0.03	1	294193	08/02/22 19:16	08/03/22 02:56	RKV
Nitrogen, Nitrate/Nitrite	**0.46**		mg/L	0.10		1	294193	08/02/22 19:16	08/03/22 02:56	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.20**	J	mg/L	0.40	0.12	1	294754	08/10/22	08/10/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.20**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.18**		mg/L	0.020	0.0054	1	294380	08/04/22	08/04/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,700**		mg/L	20		2	294477	08/04/22	08/05/22	DNA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466647

Sample ID: LAMW-5S	Lab ID: 466647-003	Collected: 08/02/22 08:40
	Matrix: Water	

466647-003 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	294193	08/02/22 19:16	08/03/22 03:13	RKV
Nitrogen, Nitrate	**23**		mg/L	1.0	0.32	10	294193	08/02/22 19:16	08/03/22 05:28	RKV
Nitrogen, Nitrate/Nitrite	**23**		mg/L	0.10		1	294193	08/02/22 19:16	08/03/22 03:13	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.18**	J	mg/L	0.40	0.12	1	294754	08/10/22	08/10/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.13**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.049**	J	mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.11**		mg/L	0.020	0.0054	1	294380	08/04/22	08/04/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	**100**		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,000**		mg/L	20		2	294477	08/04/22	08/05/22	DNA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466647

Sample ID: SMBRP-11	Lab ID: 466647-004	Collected: 08/02/22 09:20
	Matrix: Water	

466647-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	**0.27**		mg/L	0.10	0.02	1	294193	08/02/22 19:16	08/03/22 04:03	RKV
Nitrogen, Nitrate	**2.3**		mg/L	0.10	0.03	1	294193	08/02/22 19:16	08/03/22 04:03	RKV
Nitrogen, Nitrate/Nitrite	**2.6**		mg/L	0.10		1	294193	08/02/22 19:16	08/03/22 04:03	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.6**		mg/L	0.40	0.12	1	294754	08/10/22	08/10/22	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.40**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**2.2**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**3.0**		mg/L	0.10	0.027	5	294380	08/04/22	08/04/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294240	08/02/22 18:37	08/03/22 13:29	PAS
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	294477	08/04/22	08/05/22	DNA

< 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:** QC1004138	**Batch:** 294193
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004138 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/02/22 19:16	08/03/22 03:46
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/02/22 19:16	08/03/22 03:46
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/02/22 19:16	08/03/22 03:46

Type: Lab Control Sample	**Lab ID:** QC1004139	**Batch:** 294193
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004139 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	2.481	2.283	mg/L	109%		90-110
Nitrogen, Nitrate	2.393	2.259	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID:** QC1004140	**Batch:** 294193
Matrix (Source ID): Water (466647-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004140 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.344	ND	1.827	mg/L	74%	*	80-120	10
Nitrogen, Nitrate	1.601	ND	1.807	mg/L	89%		80-120	10

Type: Matrix Spike Duplicate	**Lab ID:** QC1004141	**Batch:** 294193
Matrix (Source ID): Water (466647-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004141 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.391	ND	1.827	mg/L	76%	*	80-120	3	20	10
Nitrogen, Nitrate	1.674	ND	1.807	mg/L	93%		80-120	4	20	10

Type: Blank	**Lab ID:** QC1005757	**Batch:** 294754
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005757 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample	**Lab ID:** QC1005758	**Batch:** 294754
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005758 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.562	2.500	mg/L	102%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1005759	**Batch:** 294754
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005759 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample	**Lab ID:** QC1005760	**Batch:** 294754
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005760 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.688	2.500	mg/L	108%		90-110

Type: Matrix Spike	**Lab ID:** QC1005761	**Batch:** 294754
Matrix (Source ID): Water (466789-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005761 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.02	0.1315	12.50	mg/L	95%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC1005762	**Batch:** 294754
Matrix (Source ID): Water (466789-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005762 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.82	0.1315	12.50	mg/L	101%		90-110	6	20	2.5

Type: Matrix Spike	**Lab ID:** QC1005921	**Batch:** 294754
Matrix (Source ID): Water (466806-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005921 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.95	0.07253	12.50	mg/L	103%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC1005922	**Batch:** 294754
Matrix (Source ID): Water (466806-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1005922 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.25	0.07253	12.50	mg/L	105%		90-110	2	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1005603** **Batch: 294678**
Matrix: Water **Method: SM 4500-NH3-G**

QC1005603 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

Type: Lab Control Sample **Lab ID: QC1005604** **Batch: 294678**
Matrix: Water **Method: SM 4500-NH3-G**

QC1005604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.429	2.500	mg/L	97%		80-120

Type: Matrix Spike **Lab ID: QC1005605** **Batch: 294678**
Matrix (Source ID): Water (466836-001) **Method: SM 4500-NH3-G**

QC1005605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.527	0.1060	2.500	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate **Lab ID: QC1005606** **Batch: 294678**
Matrix (Source ID): Water (466836-001) **Method: SM 4500-NH3-G**

QC1005606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.554	0.1060	2.500	mg/L	98%		80-120	1	20	1

Type: Blank **Lab ID: QC1004680** **Batch: 294380**
Matrix: Water **Method: SM 4500-P-B5-E**

QC1004680 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/04/22	08/04/22

Type: Lab Control Sample **Lab ID: QC1004681** **Batch: 294380**
Matrix: Water **Method: SM 4500-P-B5-E**

QC1004681 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3870	0.3300	mg/L	117%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1004682**	**Batch:**	**294380**
Matrix (Source ID):	**Water (466497-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1004682 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4970	0.06500	0.4000	mg/L	108%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004683**	**Batch:**	**294380**
Matrix (Source ID):	**Water (466497-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1004683 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.4980	0.06500	0.4000	mg/L	108%		75-125	0	20	1

Type:	**Blank**	**Lab ID:**	**QC1004984**	**Batch:**	**294477**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1004984 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/04/22	08/05/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1004985**	**Batch:**	**294477**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1004985 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	352.0	342.0	mg/L	103%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC1004986**	**Batch:**	**294477**
Matrix (Source ID):	**Water (466569-010)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1004986 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	19,620	19360	mg/L		1	5	10

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

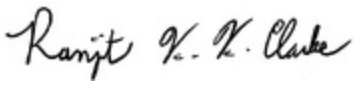
Lab Job Number: 466759
Report Level: II
Report Date: 10/10/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466759
Project No:	MALIBU
Location:	Annual
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-12	466759-001	08/03/22 12:15	Water
MCWP-MW04D	466759-002	08/03/22 10:40	Water
MCWP-MW09	466759-003	08/03/22 12:40	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 466759 Project No: MALIBU Location: Annual Date Received: 08/03/22

This data package contains sample and QC results for three water samples, requested for the above referenced project on 08/03/22. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low response was observed for 2-chloroethylvinylether in the calibration analyzed 07/26/22 06:41; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- Low response was observed for 2-chloroethylvinylether in the CCV/LCS analyzed 08/12/22 10:00; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- Low response was observed for 2-chloroethylvinylether in the CCV/LCS analyzed 08/08/22 13:27; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- 466759-001, 466759-002, and 466759-003 were analyzed outside of hold time; affected data was qualified with "H".
- SMBRP-12 (lab # 466759-001), MCWP-MW04D (lab # 466759-002), and MCWP-MW09 (lab # 466759-003) had pH greater than 2.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 524.2):

- 1,2,4-trichlorobenzene was detected between the MDL and the RL in the method blank for batch 294335; this analyte was not detected in samples at or above the RL.
- 466759-001, 466759-002, and 466759-003 were analyzed outside of hold time; affected data was qualified with "H".
- SMBRP-12 (lab # 466759-001), MCWP-MW04D (lab # 466759-002), and MCWP-MW09 (lab # 466759-003) had pH greater than 2.
- No other analytical problems were encountered.

Metals (CALCULATION):

No analytical problems were encountered.

Metals (EPA 200.7, EPA 200.8, EPA 245.1, and EPA 245.1):

- High response was observed for boron in the ICV analyzed 08/05/22 12:42; affected data was qualified with "b".
- Antimony was detected at or above the RL in the CCB analyzed 08/05/22 14:40; this analyte was detected in samples between LOD and RL, was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- A number of analytes were detected between the MDL and the RL in the method blank for batch 294423; these analytes were either not detected in samples at or above the RL, or detected 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 response was observed for fluoride in the CCV analyzed 08/08/22 19:48; affected data was qualified with "b".
- Low response was observed for fluoride in the CCV analyzed 08/08/22 23:10; affected data was qualified with "b".
- Low recoveries were observed for chloride in the MS/MSD for batch 294551; the parent sample was not a project sample, and the associated RPD was within limits.
- Chloride was detected between the MDL and the RL in the method blank for batch 294551; this analyte was detected in samples at a level at least 10 times that of the blank.
- SMBRP-12 (lab # 466759-001) and MCWP-MW09 (lab # 466759-003) were diluted due to high chloride concentrations.
- No other analytical problems were encountered.

Perchlorate by Ion Chromatography (EPA 314.0):
No analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Fluoride by ISE (SM 4500-F-C):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Cyanide, Manual Colorimetric (SM 4500-CN-E):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

CCPP (SM 2330B):
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.

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):

- MBAS are calculated and reported as Linear Anionic Surfactants with a molecular weight of 348 g/mol.
- 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.

EPA 100.2 Asbestos (EPA 100.2 Asbestos):
SGS Forensic in Hayward, CA performed the analysis (see sublab report section for certifications). Please see the SGS Forensic case narrative.

EPA 1613B - 2,3,7,8-TCDD only (EPA 1613B):
Enthalpy - Wilmington in Wilmington, NC performed the analysis (see sublab report section for certifications). Please see the Enthalpy - Wilmington case narrative.

EPA 508 Chlorinated Pesticides (EPA 508):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 525.2 Semi-Volatile Organics (EPA 525.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 547 Glyphosate (EPA 547):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 548.1 Endothall (EPA 548.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 549.2 Diquat (EPA 549.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 900.0 Gross Alpha and Beta (EPA 900.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 903.1 Radium-226 (EPA 903.1):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 904.0 Radium-228 (EPA 904.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 906.0 Tritium (EPA 906.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 905.0 Strontium-90 (EPA 905.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

Chlorinated Acids in Drinking Water (EPA 515.4):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 525.3 Pesticides - SUB (EPA 552.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 908.1 Uranium in Water - OUT (EPA 908.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 1625 Isotope Dilution (EPA 1625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

Bromate EPA 300.1 -OUT (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 1664A Total O&G - OUT (EPA 1664A):
Eurofins Southwest in Tustin, CA performed the analysis (see sublab report section for certifications). Please see the Eurofins Southwest case narrative.

EPA 1694 Pharma, PCP by HPLC/MS/MS (EPA 1694):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 218.6 Hexavalent Chromium by IC (EPA 218.6):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 300.1 Chlorite by IC (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 524.3 (EPA 524.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 531.2 (EPA 531.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 625.1 (EPA 625.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

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: (2) 466764	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:	20-09665
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone: Email	KBrtalik@rinconconsultants.com	Global ID:	
Cell:		Sampled By:	LL, JB, KC

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 625 LL SVOCs	EPA 524.2 VOCs (inc. 2-CEVE, A/A)	Test Instructions / Comments
[redacted]																JB 8.3
SMBRP-12	8.3.22	1215	GW	53	✓	X	X	X	X	X	X	X	X	X	X	
[redacted]																JB 8.3
MCWP-MW04D	8.3.22	1040	GW	53	✓	X	X	X	X	X	X	X	X	X	X	
[redacted]																JB 8.3
[redacted]																JB 8.3
MCWP-MW09	8.3.22	1240	GW	53	✓	X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Bridgman	Rincon	8-3 / 1446
[1] Received By:		GGawat	EA	8-3 / 1446
[2] Relinquished By:		GGawat	EA	8-3 / 1728
[2] Received By:		ZAIN PADILLA	EA/LL	8/03/22 1728
[3] Relinquished By:				
[3] Received By:				

6.3 / 5.3

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: (20) ~~466764~~	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:	20-09665
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	LL, JB, KC

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, EPA 904.0 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
~~SMBRP-9~~						X	X	X	X	X	X	X	X	X	X	466759
SMBRP-12	8.3.22	1215	GW	53	✓	X	X	X	X	X	X	X	X	X	X	JB 8.3
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D	8.3.22	1040	GW	53	✓	X	X	X	X	X	X	X	X	X	X	JB 8.3
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	JB 8.3
MCWP-MW09	8.3.22	1240	GW	53	✓	X	X	X	X	X	X	X	X	X	X	JB 8.3

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Goldgrun	Rincon	8.3 / 1446
[1] Received By:		GGawat	EA	8.3 / 1446
[2] Relinquished By:		GGawat	EA	8.3 / 1728
[2] Received By:		TAD PAISLEY	~~EA~~ GL	8/03/22 1728
[3] Relinquished By:				
[3] Received By:				

6.5 / 12.3

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: (ZP) ~~466764~~	Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 3 of 3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group								
1 Park Plaza, Suite 1000, Irvine, CA 92614								

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	20-09665
Email:	KBrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 508 Pest/PCBs	Analysis Request	Test Instructions / Comments
~~SMBRP-9~~						X	X	JB 8.3	466759
SMBRP-12	8.3.22	1205	GW	G3	✓	X	X		
~~MCWP-MW04S~~						X	X	JB 8.3	
MCWP-MW04D	8.3.22	1040	GW	53	✓	X	X		
~~MCWP-MW07S~~						X	X	JB 8.3	
~~MCWP-MW07D~~						X	X	JB 8.3	
MCWP-MW09	8.3.22	1240	GW	53	✓	X	X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Bridgman	Rincon	8.3 / 1446
[1] Received By:		Gawat	EA	8-3 / 1446
[2] Relinquished By:		Gawat	~~EA~~	8.3 / 1728
[2] Received By:		ZAID PADILLA	EA/GL	8/03/22 1728
[3] Relinquished By:				
[3] Received By:				

2.5 / 1.8

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: MALIBU - ANNUAL

Date Received: 8/03/22 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: 6.3 °C #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: 5.3 °C #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: 8/03/22

ENTHALPY ANALYTICAL

Analysis Results for 466759

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466759
Project No: MALIBU
Location: Annual
Date Received: 08/03/22

Sample ID: SMBRP-12 **Lab ID: 466759-001** **Collected: 08/03/22 12:15**
Matrix: Water

466759-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	294414	08/05/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.92**		mg/L	0.050	0.0080	1	294423	08/05/22	08/05/22	SBW
Calcium	**160**		mg/L	0.10	0.021	1	294423	08/05/22	08/05/22	SBW
Iron	**1.4**		mg/L	0.020	0.0066	1	294423	08/05/22	08/05/22	SBW
Magnesium	**130**		mg/L	0.10	0.049	1	294423	08/05/22	08/05/22	SBW
Manganese	**0.61**		mg/L	0.010	0.00061	1	294423	08/05/22	08/05/22	SBW
Potassium	**35**		mg/L	0.50	0.18	1	294423	08/05/22	08/05/22	SBW
Sodium	**580**		mg/L	0.50	0.035	1	294423	08/05/22	08/05/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**11**		ug/L	10	3.2	1	294414	08/05/22	08/05/22	THP
Antimony	**0.25**	J,b	ug/L	0.50	0.060	1	294414	08/05/22	08/05/22	THP
Arsenic	**17**		ug/L	2.0	0.38	1	294414	08/05/22	08/05/22	THP
Barium	**66**		ug/L	5.0	0.28	1	294414	08/05/22	08/05/22	THP
Beryllium	ND		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Cadmium	**0.12**	J	ug/L	0.20	0.033	1	294414	08/05/22	08/05/22	THP
Chromium	**0.60**	J	ug/L	1.0	0.48	1	294414	08/05/22	08/05/22	THP
Copper	**4.7**		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Lead	ND		ug/L	0.50	0.044	1	294414	08/05/22	08/05/22	THP
Nickel	**20**		ug/L	1.0	0.20	1	294414	08/05/22	08/05/22	THP
Selenium	**8.1**		ug/L	2.0	0.27	1	294414	08/05/22	08/05/22	THP
Silver	ND		ug/L	0.20	0.025	1	294414	08/05/22	08/05/22	THP
Thallium	ND		ug/L	1.0	0.23	1	294414	08/05/22	08/05/22	THP
Zinc	ND		ug/L	10	4.2	1	294414	08/05/22	08/05/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294448	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.34**		mg/L	0.20	0.081	1	294274	08/03/22 14:19	08/04/22 01:48	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Chloride	**880**		mg/L	50	25	50	294551	08/08/22 11:31	08/09/22 00:18	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.20	10	294274	08/03/22 14:19	08/04/22 19:34	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	294274	08/03/22 14:19	08/04/22 01:48	RKV
Sulfate	**490**		mg/L	50	13	50	294551	08/08/22 11:31	08/09/22 00:18	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	294274	08/03/22 14:19	08/04/22 19:34	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	**41**		ug/L	2.0	0.78	1	294671	08/10/22	08/10/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND	H	ug/L	0.50	0.10	1	294552	08/08/22	08/08/22	ILK
Benzene	ND	H	ug/L	0.50	0.081	1	294552	08/08/22	08/08/22	ILK
Trichloroethene	ND	H	ug/L	0.50	0.13	1	294552	08/08/22	08/08/22	ILK
Toluene	ND	H	ug/L	0.50	0.10	1	294552	08/08/22	08/08/22	ILK
Chlorobenzene	ND	H	ug/L	0.50	0.13	1	294552	08/08/22	08/08/22	ILK
Chloromethane	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Vinyl Chloride	ND	H	ug/L	0.50	0.12	1	294335	08/04/22	08/04/22	ILK
Bromomethane	ND	H	ug/L	1.0	0.17	1	294335	08/04/22	08/04/22	ILK
Chloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK
Trichlorofluoromethane	ND	H	ug/L	0.50	0.15	1	294335	08/04/22	08/04/22	ILK
Freon 113	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Methylene Chloride	ND	H	ug/L	0.50	0.36	1	294335	08/04/22	08/04/22	ILK
MTBE	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,1-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Chloroform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,1-Trichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Carbon Tetrachloride	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloropropane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromodichloromethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,3-Dichloropropene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,3-Dichloropropene	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
1,1,2-Trichloroethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Tetrachloroethene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Dibromochloromethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Ethylbenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
m,p-Xylenes	ND	H	ug/L	1.0	0.10	1	294335	08/04/22	08/04/22	ILK
Styrene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromoform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,2,2-Tetrachloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	**0.14**	H,J	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,4-Dichlorobenzene	**0.17**	H,J	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2,4-Trichlorobenzene	ND	H	ug/L	0.50	0.11	1	294335	08/04/22	08/04/22	ILK
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	H,b	ug/L	50	0.6	1	294552	08/08/22	08/08/22	ILK
Acrolein	ND	H	ug/L	200	1.1	1	294552	08/08/22	08/08/22	ILK
Acrylonitrile	ND	H	ug/L	10	0.1	1	294552	08/08/22	08/08/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	104%	H	%REC	70-140	1.8	1	294552	08/08/22	08/08/22	ILK
1,2-Dichloroethane-d4	104%	H	%REC	70-140	9.2	1	294552	08/08/22	08/08/22	ILK
Toluene-d8	99%	H	%REC	70-140	3.9	1	294552	08/08/22	08/08/22	ILK
Bromofluorobenzene	99%	H	%REC	70-140		1	294552	08/08/22	08/08/22	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	294343	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM 2330B										
CCPP	**0.30**		SU			1	294898	08/11/22	08/11/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	294356	08/04/22 11:59	08/04/22 11:59	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	294384	08/04/22	08/04/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.44**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.15**	H	SU			1	294375	08/04/22 14:42	08/04/22 14:42	LVL
Temperature	**25.20**	H	deg C	1.00		1	294375	08/04/22 14:42	08/04/22 14:42	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**3.9**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**5.2**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.1**		mg/L	0.10	0.027	5	294923	08/11/22	08/11/22	ATP
Method: SM 5310B										
Total Organic Carbon	**2.0**		mg/L	1.0	0.23	1	294485	08/05/22	08/05/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**4.1**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: SM2120B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Color	**20**		ColorUnits	5		1	294342	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM2130B										
Turbidity	**7.2**		NTU	0.10	0.02	1	294341	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**430**		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Carbonate	ND		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Hydroxide	ND		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Alkalinity, Total as CaCO3	**350**		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,600**		mg/L	20		2	294681	08/09/22	08/10/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**5.3**		mg/L	0.6		1.1	294722	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**3.3**		mg/L	3.0		1	294277	08/03/22 18:18	08/08/22 15:54	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.058**		mg/L	0.040	0.029	1	294916	08/05/22 09:20	08/05/22 18:07	LVL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

Sample ID: MCWP-MW04D	Lab ID: 466759-002	Collected: 08/03/22 10:40
	Matrix: Water	

466759-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	294414	08/05/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.78**		mg/L	0.050	0.0080	1	294423	08/05/22	08/05/22	SBW
Calcium	**170**		mg/L	0.10	0.021	1	294423	08/05/22	08/05/22	SBW
Iron	**0.011**	B,J	mg/L	0.020	0.0066	1	294423	08/05/22	08/05/22	SBW
Magnesium	**95**		mg/L	0.10	0.049	1	294423	08/05/22	08/05/22	SBW
Manganese	**0.0080**	J	mg/L	0.010	0.00061	1	294423	08/05/22	08/05/22	SBW
Potassium	**2.2**		mg/L	0.50	0.18	1	294423	08/05/22	08/05/22	SBW
Sodium	**180**		mg/L	0.50	0.035	1	294423	08/05/22	08/05/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**5.4**	J	ug/L	10	3.2	1	294414	08/05/22	08/05/22	THP
Antimony	**0.17**	J,b	ug/L	0.50	0.060	1	294414	08/05/22	08/05/22	THP
Arsenic	**1.7**	J	ug/L	2.0	0.38	1	294414	08/05/22	08/05/22	THP
Barium	**32**		ug/L	5.0	0.28	1	294414	08/05/22	08/05/22	THP
Beryllium	ND		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Cadmium	**0.22**		ug/L	0.20	0.033	1	294414	08/05/22	08/05/22	THP
Chromium	**0.83**	J	ug/L	1.0	0.48	1	294414	08/05/22	08/05/22	THP
Copper	**1.9**		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Lead	ND		ug/L	0.50	0.044	1	294414	08/05/22	08/05/22	THP
Nickel	**10**		ug/L	1.0	0.20	1	294414	08/05/22	08/05/22	THP
Selenium	**1.9**	J	ug/L	2.0	0.27	1	294414	08/05/22	08/05/22	THP
Silver	ND		ug/L	0.20	0.025	1	294414	08/05/22	08/05/22	THP
Thallium	ND		ug/L	1.0	0.23	1	294414	08/05/22	08/05/22	THP
Zinc	ND		ug/L	10	4.2	1	294414	08/05/22	08/05/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294448	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.38**		mg/L	0.20	0.081	1	294274	08/03/22 14:19	08/04/22 02:05	RKV
Chloride	**230**		mg/L	25	13	25	294551	08/08/22 11:31	08/09/22 00:35	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	294274	08/03/22 14:19	08/04/22 02:05	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.03	1	294274	08/03/22 14:19	08/04/22 02:05	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**570**		mg/L	25	6.3	25	294551	08/08/22 11:31	08/09/22 00:35	RKV
Nitrogen, Nitrate/Nitrite	**1.5**		mg/L	0.10		1	294274	08/03/22 14:19	08/04/22 02:05	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.78	1	294671	08/10/22	08/10/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND	H	ug/L	0.50	0.10	1	294928	08/12/22	08/12/22	TCN
Benzene	ND	H	ug/L	0.50	0.081	1	294928	08/12/22	08/12/22	TCN
Trichloroethene	ND	H	ug/L	0.50	0.13	1	294928	08/12/22	08/12/22	TCN
Toluene	ND	H	ug/L	0.50	0.10	1	294928	08/12/22	08/12/22	TCN
Chlorobenzene	ND	H	ug/L	0.50	0.13	1	294928	08/12/22	08/12/22	TCN
Chloromethane	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Vinyl Chloride	ND	H	ug/L	0.50	0.12	1	294335	08/04/22	08/04/22	ILK
Bromomethane	ND	H	ug/L	1.0	0.17	1	294335	08/04/22	08/04/22	ILK
Chloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK
Trichlorofluoromethane	ND	H	ug/L	0.50	0.15	1	294335	08/04/22	08/04/22	ILK
Freon 113	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Methylene Chloride	ND	H	ug/L	0.50	0.36	1	294335	08/04/22	08/04/22	ILK
MTBE	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,1-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Chloroform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,1-Trichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Carbon Tetrachloride	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloropropane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromodichloromethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,3-Dichloropropene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,3-Dichloropropene	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
1,1,2-Trichloroethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Tetrachloroethene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Dibromochloromethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Ethylbenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
m,p-Xylenes	ND	H	ug/L	1.0	0.10	1	294335	08/04/22	08/04/22	ILK
Styrene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromoform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,2,2-Tetrachloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK
1,3-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,4-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2,4-Trichlorobenzene	ND	H	ug/L	0.50	0.11	1	294335	08/04/22	08/04/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	H,b	ug/L	50	0.6	1	294928	08/12/22	08/12/22	TCN
Acrolein	ND	H	ug/L	200	1.1	1	294928	08/12/22	08/12/22	TCN
Acrylonitrile	ND	H	ug/L	10	0.1	1	294928	08/12/22	08/12/22	TCN
Surrogates				**Limits**						
Dibromofluoromethane	106%	H	%REC	70-140	1.8	1	294928	08/12/22	08/12/22	TCN
1,2-Dichloroethane-d4	105%	H	%REC	70-140	9.2	1	294928	08/12/22	08/12/22	TCN
Toluene-d8	98%	H	%REC	70-140	3.9	1	294928	08/12/22	08/12/22	TCN
Bromofluorobenzene	100%	H	%REC	70-140		1	294928	08/12/22	08/12/22	TCN
Method: SM 2150B										
Odor	ND		TON	1.0		1	294343	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM 2330B										
CCPP	**0.35**		SU			1	294898	08/11/22	08/11/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	294356	08/04/22 11:59	08/04/22 11:59	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	294384	08/04/22	08/04/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.55**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.24**	H	SU			1	294375	08/04/22 14:42	08/04/22 14:42	LVL
Temperature	**24.90**	H	deg C	1.00		1	294375	08/04/22 14:42	08/04/22 14:42	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**0.12**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.15**	J	mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.097**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 5310B										
Total Organic Carbon	**0.54**	J	mg/L	1.0	0.23	1	294485	08/05/22	08/05/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**1.0**	H	MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: SM2120B										
Color	ND		ColorUnits	5		1	294342	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM2130B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Turbidity	**0.08**	J	NTU	0.10	0.02	1	294341	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**310**		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Carbonate	ND		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Hydroxide	ND		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Alkalinity, Total as CaCO3	**260**		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	294681	08/09/22	08/10/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**0.8**		mg/L	0.6		1.1	294722	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	294277	08/03/22 18:26	08/08/22 15:54	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	294916	08/05/22 09:20	08/05/22 18:07	LVL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

Sample ID: MCWP-MW09	Lab ID: 466759-003	Collected: 08/03/22 12:40
	Matrix: Water	

466759-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	ND		ug/L	1.0		1	294414	08/05/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.76**		mg/L	0.050	0.0080	1	294423	08/05/22	08/05/22	SBW
Calcium	**100**		mg/L	0.10	0.021	1	294423	08/05/22	08/05/22	SBW
Iron	**0.41**		mg/L	0.020	0.0066	1	294423	08/05/22	08/09/22	SBW
Magnesium	**96**		mg/L	0.10	0.049	1	294423	08/05/22	08/05/22	SBW
Manganese	**0.12**		mg/L	0.010	0.00061	1	294423	08/05/22	08/05/22	SBW
Potassium	**15**		mg/L	0.50	0.18	1	294423	08/05/22	08/05/22	SBW
Sodium	**620**		mg/L	0.50	0.035	1	294423	08/05/22	08/05/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**380**		ug/L	52	52	2	294414	08/05/22	08/11/22	THP
Antimony	ND		ug/L	1.0	0.084	2	294414	08/05/22	08/11/22	THP
Arsenic	**4.3**		ug/L	2.0	0.38	1	294414	08/05/22	08/05/22	THP
Barium	**19**		ug/L	5.0	0.28	1	294414	08/05/22	08/05/22	THP
Beryllium	ND		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Cadmium	**0.065**	J	ug/L	0.20	0.033	1	294414	08/05/22	08/05/22	THP
Chromium	**0.72**	J	ug/L	1.0	0.48	1	294414	08/05/22	08/05/22	THP
Copper	**6.1**		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Lead	**0.12**	J	ug/L	0.50	0.044	1	294414	08/05/22	08/05/22	THP
Nickel	**6.5**		ug/L	1.0	0.20	1	294414	08/05/22	08/05/22	THP
Selenium	**6.1**		ug/L	2.0	0.27	1	294414	08/05/22	08/05/22	THP
Silver	ND		ug/L	0.20	0.025	1	294414	08/05/22	08/05/22	THP
Thallium	ND		ug/L	1.0	0.23	1	294414	08/05/22	08/05/22	THP
Zinc	**320**		ug/L	10	4.2	1	294414	08/05/22	08/05/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294448	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.31**		mg/L	0.20	0.081	1	294274	08/03/22 14:19	08/04/22 02:22	RKV
Chloride	**800**		mg/L	50	25	50	294551	08/08/22 11:31	08/09/22 00:51	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.20	10	294274	08/03/22 14:19	08/04/22 19:51	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	294274	08/03/22 14:19	08/04/22 02:22	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**650**		mg/L	50	13	50	294551	08/08/22 11:31	08/09/22 00:51	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	294274	08/03/22 14:19	08/04/22 19:51	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.78	1	294671	08/10/22	08/10/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND	H	ug/L	0.50	0.10	1	294928	08/12/22	08/12/22	TCN
Benzene	ND	H	ug/L	0.50	0.081	1	294928	08/12/22	08/12/22	TCN
Trichloroethene	ND	H	ug/L	0.50	0.13	1	294928	08/12/22	08/12/22	TCN
Toluene	**0.90**	H	ug/L	0.50	0.10	1	294928	08/12/22	08/12/22	TCN
Chlorobenzene	ND	H	ug/L	0.50	0.13	1	294928	08/12/22	08/12/22	TCN
Chloromethane	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Vinyl Chloride	ND	H	ug/L	0.50	0.12	1	294335	08/04/22	08/04/22	ILK
Bromomethane	ND	H	ug/L	1.0	0.17	1	294335	08/04/22	08/04/22	ILK
Chloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK
Trichlorofluoromethane	ND	H	ug/L	0.50	0.15	1	294335	08/04/22	08/04/22	ILK
Freon 113	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Methylene Chloride	ND	H	ug/L	0.50	0.36	1	294335	08/04/22	08/04/22	ILK
MTBE	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,1-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,2-Dichloroethene	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
Chloroform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,1-Trichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Carbon Tetrachloride	ND	H	ug/L	0.50	0.14	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloroethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichloropropane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromodichloromethane	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
cis-1,3-Dichloropropene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
trans-1,3-Dichloropropene	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
1,1,2-Trichloroethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Tetrachloroethene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Dibromochloromethane	ND	H	ug/L	0.50	0.13	1	294335	08/04/22	08/04/22	ILK
Ethylbenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
m,p-Xylenes	ND	H	ug/L	1.0	0.10	1	294335	08/04/22	08/04/22	ILK
Styrene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
Bromoform	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,1,2,2-Tetrachloroethane	ND	H	ug/L	0.50	0.16	1	294335	08/04/22	08/04/22	ILK
1,3-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,4-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2-Dichlorobenzene	ND	H	ug/L	0.50	0.10	1	294335	08/04/22	08/04/22	ILK
1,2,4-Trichlorobenzene	ND	H	ug/L	0.50	0.11	1	294335	08/04/22	08/04/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466759

466759-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	H,b	ug/L	50	0.6	1	294928	08/12/22	08/12/22	TCN
Acrolein	ND	H	ug/L	200	1.1	1	294928	08/12/22	08/12/22	TCN
Acrylonitrile	ND	H	ug/L	10	0.1	1	294928	08/12/22	08/12/22	TCN
Surrogates				**Limits**						
Dibromofluoromethane	100%	H	%REC	70-140	1.8	1	294928	08/12/22	08/12/22	TCN
1,2-Dichloroethane-d4	93%	H	%REC	70-140	9.2	1	294928	08/12/22	08/12/22	TCN
Toluene-d8	103%	H	%REC	70-140	3.9	1	294928	08/12/22	08/12/22	TCN
Bromofluorobenzene	99%	H	%REC	70-140		1	294928	08/12/22	08/12/22	TCN
Method: SM 2150B										
Odor	ND		TON	1.0		1	294343	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM 2330B										
CCPP	**0.34**		SU			1	294898	08/11/22	08/11/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	294356	08/04/22 11:59	08/04/22 11:59	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	294384	08/04/22	08/04/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.46**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.50**	H	SU			1	294375	08/04/22 14:42	08/04/22 14:42	LVL
Temperature	**25.40**	H	deg C	1.00		1	294375	08/04/22 14:42	08/04/22 14:42	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**2.2**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**2.4**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.23	1	294485	08/05/22	08/05/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**1.0**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: SM2120B										
Color	**10**		ColorUnits	5		1	294342	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM2130B										

Results for any subcontracted analyses are not included in this section.

Analysis Results for 466759

466759-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Turbidity	**2.3**		NTU	0.10	0.02	1	294341	08/03/22 18:30	08/03/22 18:30	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**330**		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Carbonate	ND		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Hydroxide	ND		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Alkalinity, Total as CaCO3	**270**		mg/L	13		2.5	294876	08/11/22	08/11/22	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,700**		mg/L	20		2	294681	08/09/22	08/10/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.3**		mg/L	0.6		1.1	294722	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	294277	08/03/22 18:17	08/08/22 15:54	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	294916	08/05/22 09:20	08/05/22 18:07	LVL

<	Value is less than indicated concentration
B	Contamination found in associated Method Blank
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:** QC1004811	**Batch:** 294423
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004811 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	08/05/22	08/05/22
Calcium	ND		mg/L	0.10	0.021	08/05/22	08/05/22
Iron	0.011	J	mg/L	0.020	0.0066	08/05/22	08/09/22
Magnesium	0.079	J	mg/L	0.10	0.049	08/05/22	08/05/22
Manganese	0.00068	J	mg/L	0.010	0.00061	08/05/22	08/05/22
Potassium	ND		mg/L	0.50	0.18	08/05/22	08/05/22
Sodium	0.060	J	mg/L	0.50	0.035	08/05/22	08/05/22

Type: Lab Control Sample	**Lab ID:** QC1004812	**Batch:** 294423
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004812 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4158	0.4000	mg/L	104%	b	85-115
Calcium	19.68	18.40	mg/L	107%		85-115
Iron	0.4246	0.4000	mg/L	106%		85-115
Magnesium	20.35	18.40	mg/L	111%		85-115
Manganese	0.4157	0.4000	mg/L	104%		85-115
Potassium	22.18	22.00	mg/L	101%		85-115
Sodium	18.79	18.40	mg/L	102%		85-115

Type: Matrix Spike	**Lab ID:** QC1004813	**Batch:** 294423
Matrix (Source ID): Water (466782-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004813 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6598	0.2635	0.4000	mg/L	99%		75-125	1
Calcium	40.17	17.96	19.40	mg/L	114%		75-125	1
Iron	0.4005	0.01253	0.4000	mg/L	97%		75-125	1
Magnesium	25.64	3.503	19.40	mg/L	114%		75-125	1
Manganese	0.3786	0.004787	0.4000	mg/L	93%		75-125	1
Potassium	25.67	1.192	23.00	mg/L	106%		75-125	1
Sodium	122.7	97.26	19.40	mg/L	131%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004814**	**Batch:**	**294423**
Matrix (Source ID):	**Water (466782-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1004814 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6341	0.2635	0.4000	mg/L	93%		75-125	4	20	1
Calcium	39.23	17.96	19.40	mg/L	110%		75-125	2	20	1
Iron	0.3885	0.01253	0.4000	mg/L	94%		75-125	3	20	1
Magnesium	25.30	3.503	19.40	mg/L	112%		75-125	1	20	1
Manganese	0.3659	0.004787	0.4000	mg/L	90%		75-125	3	20	1
Potassium	25.11	1.192	23.00	mg/L	104%		75-125	2	20	1
Sodium	119.3	97.26	19.40	mg/L	113%	NM	75-125	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1004782**	**Batch:**	**294414**
Matrix:	**Water**				

QC1004782 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: CALCULATION Prep Method: EPA 200.8							
Chromium Trivalent	ND		ug/L	1.0		08/05/22	10/07/22
Method: EPA 200.8 Prep Method: EPA 200.8							
Aluminum	ND		ug/L	10	3.2	08/05/22	08/05/22
Antimony	ND		ug/L	0.50	0.042	08/05/22	08/11/22
Arsenic	ND		ug/L	2.0	0.38	08/05/22	08/08/22
Barium	ND		ug/L	5.0	0.28	08/05/22	08/05/22
Beryllium	ND		ug/L	0.50	0.050	08/05/22	08/05/22
Cadmium	ND		ug/L	0.20	0.033	08/05/22	08/05/22
Chromium	ND		ug/L	1.0	0.48	08/05/22	08/08/22
Copper	ND		ug/L	0.50	0.28	08/05/22	08/11/22
Lead	ND		ug/L	0.50	0.044	08/05/22	08/05/22
Nickel	ND		ug/L	1.0	0.20	08/05/22	08/05/22
Selenium	ND		ug/L	2.0	0.27	08/05/22	08/05/22
Silver	ND		ug/L	0.20	0.025	08/05/22	08/05/22
Thallium	ND		ug/L	1.0	0.23	08/05/22	08/05/22
Zinc	ND		ug/L	10	4.2	08/05/22	08/05/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1004783	**Batch:** 294414
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC1004783 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	96.82	100.0	ug/L	97%		85-115
Antimony	107.1	100.0	ug/L	107%		85-115
Arsenic	101.2	100.0	ug/L	101%		85-115
Barium	100.0	100.0	ug/L	100%		85-115
Beryllium	109.8	100.0	ug/L	110%		85-115
Cadmium	102.8	100.0	ug/L	103%		85-115
Chromium	103.2	100.0	ug/L	103%		85-115
Copper	101.9	100.0	ug/L	102%		85-115
Lead	93.85	100.0	ug/L	94%		85-115
Nickel	103.0	100.0	ug/L	103%		85-115
Selenium	102.5	100.0	ug/L	103%		85-115
Silver	49.14	50.00	ug/L	98%		85-115
Thallium	92.30	100.0	ug/L	92%		85-115
Zinc	105.3	100.0	ug/L	105%		85-115

Type: Matrix Spike	**Lab ID:** QC1004788	**Batch:** 294414
Matrix (Source ID): Water (466803-001)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC1004788 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	91.17	ND	100.0	ug/L	91%		70-130	1
Antimony	102.8	ND	100.0	ug/L	103%		70-130	1
Arsenic	98.13	0.6000	100.0	ug/L	98%		70-130	1
Barium	93.35	ND	100.0	ug/L	93%		70-130	1
Beryllium	108.1	ND	100.0	ug/L	108%		70-130	1
Cadmium	98.77	ND	100.0	ug/L	99%		70-130	1
Chromium	99.42	1.239	100.0	ug/L	98%		70-130	1
Copper	96.84	0.07200	100.0	ug/L	97%		70-130	1
Lead	87.24	ND	100.0	ug/L	87%		70-130	1
Nickel	97.27	ND	100.0	ug/L	97%		70-130	1
Selenium	98.61	0.3280	100.0	ug/L	98%		70-130	1
Silver	45.99	ND	50.00	ug/L	92%		70-130	1
Thallium	86.63	ND	100.0	ug/L	87%		70-130	1
Zinc	101.1	ND	100.0	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1004789	**Batch:**	294414
Matrix (Source ID):	Water (466803-001)	**Method:**	EPA 200.8	**Prep Method:**	EPA 200.8

QC1004789 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aluminum	90.38	ND	100.0	ug/L	90%		70-130	1	20	1
Antimony	102.1	ND	100.0	ug/L	102%		70-130	1	20	1
Arsenic	97.84	0.6000	100.0	ug/L	97%		70-130	0	20	1
Barium	92.67	ND	100.0	ug/L	93%		70-130	1	20	1
Beryllium	107.3	ND	100.0	ug/L	107%		70-130	1	20	1
Cadmium	97.71	ND	100.0	ug/L	98%		70-130	1	20	1
Chromium	97.37	1.239	100.0	ug/L	96%		70-130	2	20	1
Copper	95.67	0.07200	100.0	ug/L	96%		70-130	1	20	1
Lead	86.67	ND	100.0	ug/L	87%		70-130	1	20	1
Nickel	95.79	ND	100.0	ug/L	96%		70-130	2	20	1
Selenium	98.90	0.3280	100.0	ug/L	99%		70-130	0	20	1
Silver	45.73	ND	50.00	ug/L	91%		70-130	1	20	1
Thallium	85.99	ND	100.0	ug/L	86%		70-130	1	20	1
Zinc	100.4	ND	100.0	ug/L	100%		70-130	1	20	1

Type:	Blank	**Lab ID:**	QC1004879	**Batch:**	294448
Matrix:	Water	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004879 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.11	08/06/22	08/06/22

Type:	Lab Control Sample	**Lab ID:**	QC1004880	**Batch:**	294448
Matrix:	Water	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004880 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.865	5.000	ug/L	97%		80-120

Type:	Matrix Spike	**Lab ID:**	QC1004881	**Batch:**	294448
Matrix (Source ID):	Water (466334-001)	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004881 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.838	ND	5.000	ug/L	97%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004882**	**Batch:**	**294448**
Matrix (Source ID):	**Water (466334-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1004882 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.946	ND	5.000	ug/L	99%		75-125	2	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1004883**	**Batch:**	**294448**
Matrix (Source ID):	**Water (466598-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1004883 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.638	ND	5.000	ug/L	93%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004884**	**Batch:**	**294448**
Matrix (Source ID):	**Water (466598-001)**	**Method:**	**EPA 245.1**	**Prep Method:**	**METHOD**

QC1004884 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.744	ND	5.000	ug/L	95%		75-125	2	20	1

Type:	**Blank**	**Lab ID:**	**QC1004351**	**Batch:**	**294274**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004351 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	08/03/22 14:19	08/03/22 20:11
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/03/22 14:19	08/03/22 20:11
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/03/22 14:19	08/03/22 20:11
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/03/22 14:19	08/03/22 20:11

Type:	**Lab Control Sample**	**Lab ID:**	**QC1004352**	**Batch:**	**294274**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004352 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	4.798	5.000	mg/L	96%		90-110
Nitrogen, Nitrite	2.507	2.283	mg/L	110%		90-110
Nitrogen, Nitrate	2.430	2.259	mg/L	108%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1004353	Batch:	294274
Matrix (Source ID):	Drinking Water (466719-003)	Method:	EPA 300.0	Prep Method:	METHOD

QC1004353 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	4.650	0.8242	4.000	mg/L	96%		80-120	1
Nitrogen, Nitrite	1.991	ND	1.827	mg/L	109%		80-120	1
Nitrogen, Nitrate	5.367	3.359	1.807	mg/L	111%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1004354	Batch:	294274
Matrix (Source ID):	Drinking Water (466719-003)	Method:	EPA 300.0	Prep Method:	METHOD

QC1004354 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	4.650	0.8242	4.000	mg/L	96%		80-120	0	20	1
Nitrogen, Nitrite	1.988	ND	1.827	mg/L	109%		80-120	0	20	1
Nitrogen, Nitrate	5.360	3.359	1.807	mg/L	111%		80-120	0	20	1

Type:	Matrix Spike	Lab ID:	QC1004369	Batch:	294274
Matrix (Source ID):	Drinking Water (466774-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1004369 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	3.840	0.2288	4.000	mg/L	90%		80-120	1
Nitrogen, Nitrite	1.860	ND	1.827	mg/L	102%		80-120	1
Nitrogen, Nitrate	10.02	7.955	1.807	mg/L	114%	E,NM	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1004370	Batch:	294274
Matrix (Source ID):	Drinking Water (466774-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1004370 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	3.889	0.2288	4.000	mg/L	92%		80-120	1	20	1
Nitrogen, Nitrite	1.885	ND	1.827	mg/L	103%		80-120	1	20	1
Nitrogen, Nitrate	10.03	7.955	1.807	mg/L	115%	E,NM	80-120		20	1

Type:	Blank	Lab ID:	QC1005229	Batch:	294551
Matrix:	Drinking Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1005229 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	0.67	J	mg/L	1.0	0.50	08/08/22 11:31	08/08/22 20:05
Sulfate	ND		mg/L	1.0	0.25	08/08/22 11:31	08/08/22 20:05

ENTHALPY ANALYTICAL

Batch QC

Type:	Lab Control Sample	Lab ID:	QC1005230	Batch:	294551
Matrix:	Drinking Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1005230 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	25.81	25.00	mg/L	103%		90-110
Sulfate	13.36	12.50	mg/L	107%		90-110

Type:	Matrix Spike	Lab ID:	QC1005272	Batch:	294551
Matrix (Source ID):	Drinking Water (466982-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1005272 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	312.1	278.4	20.00	mg/L	168%	NM	80-120	10
Sulfate	339.2	312.6	10.00	mg/L	266%	NM	80-120	10

Type:	Matrix Spike Duplicate	Lab ID:	QC1005273	Batch:	294551
Matrix (Source ID):	Drinking Water (466982-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1005273 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	313.2	278.4	20.00	mg/L	174%	NM	80-120	0	20	10
Sulfate	339.3	312.6	10.00	mg/L	267%	NM	80-120	0	20	10

Type:	Matrix Spike	Lab ID:	QC1005355	Batch:	294551
Matrix (Source ID):	Drinking Water (467056-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1005355 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	90.03	74.41	20.00	mg/L	78%	*	80-120	5
Sulfate	23.18	12.01	10.00	mg/L	112%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1005356	Batch:	294551
Matrix (Source ID):	Drinking Water (467056-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1005356 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	89.46	74.41	20.00	mg/L	75%	*	80-120	1	20	5
Sulfate	23.11	12.01	10.00	mg/L	111%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1005556	**Batch:** 294671
Matrix: Drinking Water	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1005556 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.78	08/10/22	08/10/22

Type: Lab Control Sample	**Lab ID:** QC1005557	**Batch:** 294671
Matrix: Drinking Water	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1005557 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	51.28	50.00	ug/L	103%		85-115

Type: Matrix Spike	**Lab ID:** QC1005558	**Batch:** 294671
Matrix (Source ID): Drinking Water (466774-008)	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1005558 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	27.71	ND	25.00	ug/L	111%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1005559	**Batch:** 294671
Matrix (Source ID): Drinking Water (466774-008)	**Method:** EPA 314.0	**Prep Method:** METHOD

QC1005559 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	28.81	ND	25.00	ug/L	115%		80-120	4	15	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1004559		**Batch:** 294335
Matrix: Water	**Method:** EPA 524.2		**Prep Method:** METHOD

QC1004559 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Benzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Trichloroethene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Toluene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Chlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Chloromethane	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Vinyl Chloride	ND		ug/L	0.50	0.12	08/04/22	08/04/22
Bromomethane	ND		ug/L	1.0	0.17	08/04/22	08/04/22
Chloroethane	ND		ug/L	0.50	0.16	08/04/22	08/04/22
Trichlorofluoromethane	ND		ug/L	0.50	0.15	08/04/22	08/04/22
Freon 113	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Methylene Chloride	ND		ug/L	0.50	0.36	08/04/22	08/04/22
MTBE	ND		ug/L	0.50	0.10	08/04/22	08/04/22
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
1,1-Dichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Chloroform	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,1,1-Trichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Carbon Tetrachloride	ND		ug/L	0.50	0.14	08/04/22	08/04/22
1,2-Dichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2-Dichloropropane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Bromodichloromethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.13	08/04/22	08/04/22
1,1,2-Trichloroethane	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Tetrachloroethene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Dibromochloromethane	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Ethylbenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
m,p-Xylenes	ND		ug/L	1.0	0.10	08/04/22	08/04/22
Styrene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Bromoform	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	08/04/22	08/04/22
1,3-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,4-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2,4-Trichlorobenzene	0.12	J	ug/L	0.50	0.11	08/04/22	08/04/22
Surrogates				**Limits**			
Bromofluorobenzene	103%		%REC	70-140		08/04/22	08/04/22
1,2-Dichloroethane-d4	99%		%REC	70-140		08/04/22	08/04/22
Dibromofluoromethane	95%		%REC	70-140		08/04/22	08/04/22
Toluene-d8	97%		%REC	70-140		08/04/22	08/04/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID: QC1004560** **Batch: 294335**
Matrix: Water

QC1004560 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Method: EPA 524.2 Prep Method: METHOD						
MTBE	10.04	10.00	ug/L	100%		70-130
Method: EPA 8260B Prep Method: EPA 5030B						
1,1-Dichloroethene	7.648	10.00	ug/L	76%		70-135
Benzene	10.14	10.00	ug/L	101%		70-130
Trichloroethene	10.54	10.00	ug/L	105%		70-130
Toluene	9.462	10.00	ug/L	95%		70-130
Chlorobenzene	9.555	10.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	12.10	12.50	ug/L	97%		70-140
1,2-Dichloroethane-d4	12.75	12.50	ug/L	102%		70-140
Toluene-d8	12.28	12.50	ug/L	98%		70-140
Bromofluorobenzene	12.90	12.50	ug/L	103%		70-140

Type: Lab Control Sample Duplicate **Lab ID: QC1004561** **Batch: 294335**
Matrix: Water

QC1004561 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Method: EPA 524.2 Prep Method: METHOD								
MTBE	10.10	10.00	ug/L	101%		70-130	1	30
Method: EPA 8260B Prep Method: EPA 5030B								
1,1-Dichloroethene	7.144	10.00	ug/L	71%		70-135	7	30
Benzene	9.856	10.00	ug/L	99%		70-130	3	30
Trichloroethene	10.24	10.00	ug/L	102%		70-130	3	30
Toluene	9.164	10.00	ug/L	92%		70-130	3	30
Chlorobenzene	9.388	10.00	ug/L	94%		70-130	2	30
Surrogates								
Dibromofluoromethane	12.48	12.50	ug/L	100%		70-140		
1,2-Dichloroethane-d4	12.91	12.50	ug/L	103%		70-140		
Toluene-d8	11.85	12.50	ug/L	95%		70-140		
Bromofluorobenzene	12.41	12.50	ug/L	99%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1005233	Batch: 294552
Matrix: Water		

QC1005233 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: EPA 524.2 Prep Method: METHOD							
1,1-Dichloroethene	ND		ug/L	0.50	0.10	08/08/22	08/08/22
Benzene	ND		ug/L	0.50	0.081	08/08/22	08/08/22
Trichloroethene	ND		ug/L	0.50	0.13	08/08/22	08/08/22
Toluene	ND		ug/L	0.50	0.10	08/08/22	08/08/22
Chlorobenzene	ND		ug/L	0.50	0.13	08/08/22	08/08/22
Chloromethane	ND		ug/L	0.50	0.15	08/08/22	08/08/22
Vinyl Chloride	ND		ug/L	0.50	0.11	08/08/22	08/08/22
Bromomethane	ND		ug/L	1.0	0.18	08/08/22	08/08/22
Chloroethane	ND		ug/L	0.50	0.13	08/08/22	08/08/22
Trichlorofluoromethane	ND		ug/L	0.50	0.12	08/08/22	08/08/22
Freon 113	ND		ug/L	0.50	0.12	08/08/22	08/08/22
Methylene Chloride	ND		ug/L	2.0	0.46	08/08/22	08/08/22
MTBE	ND		ug/L	0.50	0.10	08/08/22	08/08/22
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.15	08/08/22	08/08/22
1,1-Dichloroethane	ND		ug/L	0.50	0.12	08/08/22	08/08/22
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.11	08/08/22	08/08/22
Chloroform	ND		ug/L	0.50	0.28	08/08/22	08/08/22
1,1,1-Trichloroethane	ND		ug/L	0.50	0.11	08/08/22	08/08/22
Carbon Tetrachloride	ND		ug/L	0.50	0.10	08/08/22	08/08/22
1,2-Dichloroethane	ND		ug/L	0.50	0.098	08/08/22	08/08/22
1,2-Dichloropropane	ND		ug/L	0.50	0.12	08/08/22	08/08/22
Bromodichloromethane	ND		ug/L	0.50	0.052	08/08/22	08/08/22
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.075	08/08/22	08/08/22
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.12	08/08/22	08/08/22
1,1,2-Trichloroethane	ND		ug/L	0.50	0.14	08/08/22	08/08/22
Tetrachloroethene	ND		ug/L	0.50	0.20	08/08/22	08/08/22
Dibromochloromethane	ND		ug/L	0.50	0.19	08/08/22	08/08/22
Ethylbenzene	ND		ug/L	0.50	0.13	08/08/22	08/08/22
m,p-Xylenes	ND		ug/L	1.0	0.24	08/08/22	08/08/22
Styrene	ND		ug/L	0.50	0.11	08/08/22	08/08/22
Bromoform	ND		ug/L	0.50	0.078	08/08/22	08/08/22
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	08/08/22	08/08/22
1,3-Dichlorobenzene	ND		ug/L	0.50	0.12	08/08/22	08/08/22
1,4-Dichlorobenzene	ND		ug/L	0.50	0.11	08/08/22	08/08/22
1,2-Dichlorobenzene	ND		ug/L	0.50	0.083	08/08/22	08/08/22
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.15	08/08/22	08/08/22
Method: EPA 8260B Prep Method: EPA 5030B							
2-Chloroethylvinylether	ND	b	ug/L	50	0.6	08/08/22	08/08/22
Acrolein	ND		ug/L	200	1.1	08/08/22	08/08/22

ENTHALPY ANALYTICAL

Batch QC

QC1005233 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrylonitrile	ND		ug/L	10	0.1	08/08/22	08/08/22
Surrogates				**Limits**			
Dibromofluoromethane	103%		%REC	70-140	1.8	08/08/22	08/08/22
1,2-Dichloroethane-d4	101%		%REC	70-140	9.2	08/08/22	08/08/22
Toluene-d8	99%		%REC	70-140	3.9	08/08/22	08/08/22
Bromofluorobenzene	101%		%REC	70-140		08/08/22	08/08/22

Type: Lab Control Sample **Lab ID: QC1005235** **Batch: 294552**
Matrix: Water

QC1005235 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Method: EPA 524.2 Prep Method: METHOD						
MTBE	43.71	50.00	ug/L	87%		70-130
Method: EPA 8260B Prep Method: EPA 5030B						
1,1-Dichloroethene	43.82	50.00	ug/L	88%		70-135
Benzene	43.48	50.00	ug/L	87%		70-130
Trichloroethene	44.12	50.00	ug/L	88%		70-130
Toluene	42.49	50.00	ug/L	85%		70-130
Chlorobenzene	42.82	50.00	ug/L	86%		70-130
Surrogates						
Dibromofluoromethane	50.52	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	46.40	50.00	ug/L	93%		70-140
Toluene-d8	50.74	50.00	ug/L	101%		70-140
Bromofluorobenzene	52.37	50.00	ug/L	105%		70-140

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate **Lab ID:** QC1005236 **Batch:** 294552
Matrix: Water

QC1005236 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Method: EPA 524.2 Prep Method: METHOD								
MTBE	51.90	50.00	ug/L	104%		70-130	17	30
Method: EPA 8260B Prep Method: EPA 5030B								
1,1-Dichloroethene	50.09	50.00	ug/L	100%		70-135	13	30
Benzene	50.45	50.00	ug/L	101%		70-130	15	30
Trichloroethene	50.36	50.00	ug/L	101%		70-130	13	30
Toluene	48.61	50.00	ug/L	97%		70-130	13	30
Chlorobenzene	49.16	50.00	ug/L	98%		70-130	14	30
Surrogates								
Dibromofluoromethane	50.68	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	50.74	50.00	ug/L	101%		70-140		
Toluene-d8	49.46	50.00	ug/L	99%		70-140		
Bromofluorobenzene	49.69	50.00	ug/L	99%		70-140		

Type: Blank **Lab ID:** QC1006308 **Batch:** 294928
Matrix: Water **Method:** EPA 8260B **Prep Method:** EPA 5030B

QC1006308 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
2-Chloroethylvinylether	ND	b	ug/L	50	0.6	08/12/22	08/12/22
Acrolein	ND		ug/L	200	1.1	08/12/22	08/12/22
Acrylonitrile	ND		ug/L	10	0.1	08/12/22	08/12/22
Surrogates				**Limits**			
Dibromofluoromethane	101%		%REC	70-140	1.8	08/12/22	08/12/22
1,2-Dichloroethane-d4	96%		%REC	70-140	9.2	08/12/22	08/12/22
Toluene-d8	102%		%REC	70-140	3.9	08/12/22	08/12/22
Bromofluorobenzene	99%		%REC	70-140		08/12/22	08/12/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1006309	Batch: 294928
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1006309 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	48.50	50.00	ug/L	97%		70-135
Benzene	50.45	50.00	ug/L	101%		70-130
Trichloroethene	49.12	50.00	ug/L	98%		70-130
Toluene	48.23	50.00	ug/L	96%		70-130
Chlorobenzene	48.18	50.00	ug/L	96%		70-130
Surrogates						
Dibromofluoromethane	50.54	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	50.70	50.00	ug/L	101%		70-140
Toluene-d8	50.12	50.00	ug/L	100%		70-140
Bromofluorobenzene	48.56	50.00	ug/L	97%		70-140

Type: Lab Control Sample Duplicate	Lab ID: QC1006310	Batch: 294928
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1006310 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	45.64	50.00	ug/L	91%		70-135	6	30
Benzene	46.56	50.00	ug/L	93%		70-130	8	30
Trichloroethene	45.85	50.00	ug/L	92%		70-130	7	30
Toluene	45.40	50.00	ug/L	91%		70-130	6	30
Chlorobenzene	45.29	50.00	ug/L	91%		70-130	6	30
Surrogates								
Dibromofluoromethane	50.30	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	46.27	50.00	ug/L	93%		70-140		
Toluene-d8	49.98	50.00	ug/L	100%		70-140		
Bromofluorobenzene	50.16	50.00	ug/L	100%		70-140		

Type: Sample Duplicate	Lab ID: QC1004571	Batch: 294343
Matrix (Source ID): Drinking Water (466729-011)	Method: SM 2150B	

QC1004571 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank	Lab ID: QC1004603	Batch: 294356
Matrix: Water	Method: SM 4500-CL-G	

QC1004603 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	08/04/22 11:59	08/04/22 11:59

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1004604 **Batch:** 294356
Matrix: Water **Method:** SM 4500-CL-G

QC1004604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.045	1.000	mg/L	105%		80-120

Type: Sample Duplicate **Lab ID:** QC1004605 **Batch:** 294356
Matrix (Source ID): Water (466759-003) **Method:** SM 4500-CL-G

QC1004605 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank **Lab ID:** QC1004689 **Batch:** 294384
Matrix: Water **Method:** SM 4500-CN-E **Prep Method:** METHOD

QC1004689 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0034	08/04/22	08/04/22

Type: Lab Control Sample **Lab ID:** QC1004690 **Batch:** 294384
Matrix: Water **Method:** SM 4500-CN-E **Prep Method:** METHOD

QC1004690 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1920	0.2000	mg/L	96%		73-123

Type: Matrix Spike **Lab ID:** QC1004691 **Batch:** 294384
Matrix (Source ID): Water (466215-001) **Method:** SM 4500-CN-E **Prep Method:** METHOD

QC1004691 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1920	ND	0.2000	mg/L	96%		56-129	1

Type: Matrix Spike Duplicate **Lab ID:** QC1004692 **Batch:** 294384
Matrix (Source ID): Water (466215-001) **Method:** SM 4500-CN-E **Prep Method:** METHOD

QC1004692 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1920	ND	0.2000	mg/L	96%		56-129	0	37	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC1006471 **Batch:** 294990
Matrix: Drinking Water **Method:** SM 4500-F-C

QC1006471 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.10	0.0059	08/12/22	08/12/22

Type: Lab Control Sample **Lab ID:** QC1006472 **Batch:** 294990
Matrix: Drinking Water **Method:** SM 4500-F-C

QC1006472 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	1.010	1.000	mg/L	101%		80-120

Type: Matrix Spike **Lab ID:** QC1006473 **Batch:** 294990
Matrix (Source ID): Drinking Water (467206-002) **Method:** SM 4500-F-C

QC1006473 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.030	ND	1.000	mg/L	100%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1006474 **Batch:** 294990
Matrix (Source ID): Drinking Water (467206-002) **Method:** SM 4500-F-C

QC1006474 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.040	ND	1.000	mg/L	101%		75-125	1	20	1

Type: Sample Duplicate **Lab ID:** QC1004663 **Batch:** 294375
Matrix (Source ID): Water (466677-003) **Method:** SM 4500-H+ B

QC1004663 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	10.50	10.49	SU		0	20	1
Temperature	24.70	24.60	deg C		0	20	1

Type: Blank **Lab ID:** QC1005603 **Batch:** 294678
Matrix: Water **Method:** SM 4500-NH3-G

QC1005603 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1005604 **Batch:** 294678
Matrix: Water **Method:** SM 4500-NH3-G

QC1005604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.429	2.500	mg/L	97%		80-120

Type: Matrix Spike **Lab ID:** QC1005605 **Batch:** 294678
Matrix (Source ID): Water (466836-001) **Method:** SM 4500-NH3-G

QC1005605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.527	0.1060	2.500	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1005606 **Batch:** 294678
Matrix (Source ID): Water (466836-001) **Method:** SM 4500-NH3-G

QC1005606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.554	0.1060	2.500	mg/L	98%		80-120	1	20	1

Type: Blank **Lab ID:** QC1005763 **Batch:** 294755
Matrix: Water **Method:** SM 4500-NH3-G

QC1005763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample **Lab ID:** QC1005764 **Batch:** 294755
Matrix: Water **Method:** SM 4500-NH3-G

QC1005764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.691	2.500	mg/L	108%		80-120

Type: Matrix Spike **Lab ID:** QC1005765 **Batch:** 294755
Matrix (Source ID): Water (466764-001) **Method:** SM 4500-NH3-G

QC1005765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.04	0.6826	12.50	mg/L	99%		80-120	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC1005766 **Batch:** 294755
Matrix (Source ID): Water (466764-001) **Method:** SM 4500-NH3-G

QC1005766 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.38	0.6826	12.50	mg/L	102%		80-120	3	20	2.5

Type: Blank **Lab ID:** QC1006289 **Batch:** 294923
Matrix: Water **Method:** SM 4500-P-B5-E

QC1006289 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/11/22	08/11/22

Type: Lab Control Sample **Lab ID:** QC1006290 **Batch:** 294923
Matrix: Water **Method:** SM 4500-P-B5-E

QC1006290 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3970	0.4000	mg/L	99%		80-120

Type: Matrix Spike **Lab ID:** QC1006291 **Batch:** 294923
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-P-B5-E

QC1006291 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.108	0.1170	1.000	mg/L	99%		75-125	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC1006292 **Batch:** 294923
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-P-B5-E

QC1006292 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.105	0.1170	1.000	mg/L	99%		75-125	0	20	2.5

Type: Blank **Lab ID:** QC1005003 **Batch:** 294485
Matrix: Water **Method:** SM 5310B

QC1005003 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.23	08/05/22	08/05/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1005004	Batch: 294485
Matrix: Water	Method: SM 5310B	

QC1005004 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.679	10.00	mg/L	97%		80-120

Type: Matrix Spike	Lab ID: QC1005005	Batch: 294485
Matrix (Source ID): Water (466744-005)	Method: SM 5310B	

QC1005005 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	43.74	ND	40.00	mg/L	109%		80-120	4

Type: Matrix Spike Duplicate	Lab ID: QC1005006	Batch: 294485
Matrix (Source ID): Water (466744-005)	Method: SM 5310B	

QC1005006 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	46.40	ND	40.00	mg/L	116%		80-120	6	20	4

Type: Sample Duplicate	Lab ID: QC1004570	Batch: 294342
Matrix (Source ID): Drinking Water (466729-011)	Method: SM2120B	

QC1004570 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate	Lab ID: QC1004569	Batch: 294341
Matrix (Source ID): Drinking Water (466729-011)	Method: SM2130B	

QC1004569 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.07900	ND	NTU	J	16	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1006146	Batch: 294876
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1006146 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/11/22	08/11/22
Carbonate	ND		mg/L	5.0		08/11/22	08/11/22
Hydroxide	ND		mg/L	5.0		08/11/22	08/11/22
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/11/22	08/11/22

Type: Lab Control Sample	Lab ID: QC1006147	Batch: 294876
Matrix: Water	Method: SM2320B	Prep Method: METHOD

QC1006147 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	969.8	1000	mg/L	97%		90-110

Type: Sample Duplicate	Lab ID: QC1006148	Batch: 294876
Matrix (Source ID): Water (466744-002)	Method: SM2320B	Prep Method: METHOD

QC1006148 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	282.0	279.1	mg/L		1	20	2.5
Carbonate	ND	ND	mg/L			20	2.5
Hydroxide	ND	ND	mg/L			20	2.5
Alkalinity, Total as CaCO3	231.1	228.8	mg/L		1	20	2.5

Type: Blank	Lab ID: QC1005589	Batch: 294681
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1005589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/09/22	08/10/22

Type: Lab Control Sample	Lab ID: QC1005590	Batch: 294681
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1005590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	348.0	342.0	mg/L	102%		90-110

Type: Sample Duplicate	Lab ID: QC1005591	Batch: 294681
Matrix (Source ID): Water (466783-001)	Method: SM2540C	Prep Method: METHOD

QC1005591 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,160	2140	mg/L		1	5	20

Batch QC

Type: Blank	Lab ID: QC1005689	Batch: 294722
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1005689 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/05/22	08/05/22

Type: Sample Duplicate	Lab ID: QC1005690	Batch: 294722
Matrix (Source ID): Water (466495-003)	Method: SM2540D	Prep Method: METHOD

QC1005690 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	602.0	596.0	mg/L		1	5	20

Type: Blank	Lab ID: QC1004361	Batch: 294277
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC1004361 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		08/03/22 15:54	08/08/22 15:54

Type: Lab Control Sample	Lab ID: QC1004362	Batch: 294277
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC1004362 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	205.0	198.0	mg/L	104%		84.6-115.4

Type: Blank	Lab ID: QC1006255	Batch: 294916
Matrix: Water	Method: SM5540C	

QC1006255 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.029	08/05/22 09:20	08/05/22 18:07

Type: Lab Control Sample	Lab ID: QC1006256	Batch: 294916
Matrix: Water	Method: SM5540C	

QC1006256 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9850	1.000	mg/L	99%		80-120

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1006257**	**Batch:**	**294916**
Matrix (Source ID):	**Water (466808-001)**	**Method:**	**SM5540C**		

QC1006257 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9300	ND	1.000	mg/L	93%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1006258**	**Batch:**	**294916**
Matrix (Source ID):	**Water (466808-001)**	**Method:**	**SM5540C**		

QC1006258 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9070	ND	1.000	mg/L	91%		80-120	3	20	1

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

Laboratory Job Number 466759

Subcontracted Products

Eurofins Southwest

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-105745-1
Client Project/Site: 466759

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/16/2022 8:35:13 AM
Sheila Luu, Project Mgmt. Assistant
Sheila.Luu@et.eurofinsus.com

Designee for

Xuan Dang, Project Manager I
(714)895-5494
Xuan.Dang@et.eurofinsus.com

LINKS
Review your project results through my EOL
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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Receipt Checklists 14

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

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: 466759

Job ID: 570-105745-1

Job ID: 570-105745-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-105745-1

Comments
No additional comments.

Receipt
The samples were received on 8/8/2022 5:41 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.9º C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

Client Sample ID: SMBRP-12 — Lab Sample ID: 570-105745-1

No Detections.

Client Sample ID: MCWP-MW04D — Lab Sample ID: 570-105745-2

No Detections.

Client Sample ID: MCWP-MW09 — Lab Sample ID: 570-105745-3

No Detections.

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: SMBRP-12
Date Collected: 08/03/22 12:15
Date Received: 08/08/22 17:41

Lab Sample ID: 570-105745-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.20	0.614	mg/L		08/12/22 12:04	08/12/22 12:04	1

Client Sample ID: MCWP-MW04D
Date Collected: 08/03/22 10:40
Date Received: 08/08/22 17:41

Lab Sample ID: 570-105745-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.20	0.613	mg/L		08/12/22 12:04	08/12/22 12:04	1

Client Sample ID: MCWP-MW09
Date Collected: 08/03/22 12:40
Date Received: 08/08/22 17:41

Lab Sample ID: 570-105745-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.21	0.619	mg/L		08/12/22 12:04	08/12/22 12:04	1

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-256391/1-A
Matrix: Water
Analysis Batch: 256520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.510	mg/L		08/12/22 12:04	08/12/22 12:04	1

Lab Sample ID: LCS 570-256391/2-A
Matrix: Water
Analysis Batch: 256520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256391

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
HEM: Oil and Grease			40.0	37.30		mg/L		93	78 - 114		

Lab Sample ID: LCSD 570-256391/3-A
Matrix: Water
Analysis Batch: 256520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 256391

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM: Oil and Grease			40.0	38.40		mg/L		96	78 - 114	3	18

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

General Chemistry

Prep Batch: 256391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105745-1	SMBRP-12	Total/NA	Water	1664A	
570-105745-2	MCWP-MW04D	Total/NA	Water	1664A	
570-105745-3	MCWP-MW09	Total/NA	Water	1664A	
MB 570-256391/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-256391/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-256391/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 256520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105745-1	SMBRP-12	Total/NA	Water	1664A	256391
570-105745-2	MCWP-MW04D	Total/NA	Water	1664A	256391
570-105745-3	MCWP-MW09	Total/NA	Water	1664A	256391
MB 570-256391/1-A	Method Blank	Total/NA	Water	1664A	256391
LCS 570-256391/2-A	Lab Control Sample	Total/NA	Water	1664A	256391
LCSD 570-256391/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	256391

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

Client Sample ID: SMBRP-12

Date Collected: 08/03/22 12:15
Date Received: 08/08/22 17:41

Lab Sample ID: 570-105745-1

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			831 mL	1000 mL	256391	08/12/22 12:04	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			256520	08/12/22 12:04	L6IE	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MCWP-MW04D

Date Collected: 08/03/22 10:40
Date Received: 08/08/22 17:41

Lab Sample ID: 570-105745-2

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			833 mL	1000 mL	256391	08/12/22 12:04	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			256520	08/12/22 12:04	L6IE	EET CAL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MCWP-MW09

Date Collected: 08/03/22 12:40
Date Received: 08/08/22 17:41

Lab Sample ID: 570-105745-3

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			825 mL	1000 mL	256391	08/12/22 12:04	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			256520	08/12/22 12:04	L6IE	EET CAL 4
	Instrument ID: NOEQUIP									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-23
Oregon	NELAP	4175	02-02-23

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	EET CAL 4
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET CAL 4

Protocol References:

1664A = EPA-821-98-002

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 466759

Job ID: 570-105745-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-105745-1	SMBRP-12	Water	08/03/22 12:15	08/08/22 17:41
570-105745-2	MCWP-MW04D	Water	08/03/22 10:40	08/08/22 17:41
570-105745-3	MCWP-MW09	Water	08/03/22 12:40	08/08/22 17:41

105745

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins Southwest
2841 Dow Avenue
Suite 100
Tustin, CA 92780
ATTN: Xuan Dang
PO #: Required, to be sent via email

Enthalpy Order: EO-466759
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: .DBF erpimsenhanced

570-105745 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	03-AUG-2022 12.15	466759-001	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
MCWP-MW04D	03-AUG-2022 10.40	466759-002	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
MCWP-MW09	03-AUG-2022 12 40	466759-003	1	Water	EPA 1664 Oil & Grease (Total) -OUT	

Notes:	Relinquished By:	Received By:
	Date: 8/8/22 5:41pm	Date: 8/8/22 5.41 pm
	Date:	Date:
	Date:	Date: SC12 4 9 4 9

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-105745-1

Login Number: 105745
List Number: 1
Creator: Escalante, Maria I

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.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Laboratory Job Number 466759

Subcontracted Products

Enthalpy - Wilmington

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project: EO-466759
Samples Received: 08/05/22

Analytical Report
0822-723

EPA Method 1613B

2, 3, 7, 8 TCDD

Enthalpy Analytical, LLC – Ultratrace
Mark Hager
O: 910-876-6894 / F: 910-212-6886
mark.hager@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 __19__ pages.



QA Review Performed by: Laura K. Boivin

Report Issued Date: 08/23/2022

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Job No.: 0822-723-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466759

Summary

	Compound	CAS	SMBRP-12 pg/L	MCWP-MW04D pg/L	MCWP-MW09 pg/L
TCDD	2378-TCDD (S)	1746-01-6	ND U	ND U	ND U

Detailed Results

Enthalpy Analytical

Job No.: 0822-723-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466759

Enthalpy ID	0822-723-001-1	Prep Batch	EU13812	Sample Vol (mL)	1049.8
Sample Name	SMBRP-12	Prep Date	2022-08-08 10:30	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-16 19:14	Split Factor	N/A
Sampling Date	20220803 00:00	Analyst	bahager	Method Code	WM-016
Received Date	2022-08-05 10:05	Instrument	Galadriel	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	4.76	1.39			U
ES	13C-2378-TCDD (ES)	76523-40-5	56.95	1085			3.96	25-175%	57.0%	
CS	37Cl-2378-TCDD (CS)		45.36	864			0.650	39-154%	113.4%	
AS	13C-1368-TCDD (AS)		76.25	1453			3.80	20-150%	76.3%	

Enthalpy Analytical

Job No.: 0822-723-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466759

Enthalpy ID	0822-723-002-1	Prep Batch	EU13812	Sample Vol (mL)	1023.8
Sample Name	MCWP-MW04D	Prep Date	2022-08-08 10:30	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-16 20:05	Split Factor	N/A
Sampling Date	20220803 00:00	Analyst	bahager	Method Code	WM-016
Received Date	2022-08-05 10:05	Instrument	Galadriel	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	4.88	1.26			U
ES	13C-2378-TCDD (ES)	76523-40-5	62.65	1224			4.76	25-175%	62.6%	
CS	37Cl-2378-TCDD (CS)		46.02	899			0.852	39-154%	115.0%	
AS	13C-1368-TCDD (AS)		79.18	1547			4.57	20-150%	79.2%	

Enthalpy Analytical

Job No.: 0822-723-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466759

Enthalpy ID	0822-723-003-1	Prep Batch	EU13812	Sample Vol (mL)	1010.3
Sample Name	MCWP-MW09	Prep Date	2022-08-08 10:30	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-16 20:56	Split Factor	N/A
Sampling Date	20220803 00:00	Analyst	bahager	Method Code	WM-016
Received Date	2022-08-05 10:05	Instrument	Galadriel	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	4.95	1.32			U
ES	13C-2378-TCDD (ES)	76523-40-5	56.54	1119			3.79	25-175%	56.5%	
CS	37Cl-2378-TCDD (CS)		43.57	862			0.549	39-154%	108.9%	
AS	13C-1368-TCDD (AS)		80.09	1586			3.64	20-150%	80.1%	

QC Data

Enthalpy Analytical

Job No.: 0822-723-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466759

Enthalpy ID	MB-13812-DF	Prep Batch	EU13812	Sample Vol (mL)	1000
Sample Name	MB-13812-DF	Prep Date	2022-08-08 10:30	Extract Vol (mL)	0.02
Matrix	aqueous	Analysis Date	2022-08-16 18:23	Split Factor	N/A
Sampling Date		Analyst	bahager	Method Code	WM-016
Received Date		Instrument	Galadriel	Sample Type	Blank

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	5.00	1.26			U
ES	13C-2378-TCDD (ES)	76523-40-5	68.15	1363			4.47	25-175%	68.2%	
CS	37Cl-2378-TCDD (CS)		44.80	896			0.549	39-154%	112.0%	
AS	13C-1368-TCDD (AS)		76.96	1539			4.29	20-150%	77.0%	

Enthalpy Analytical

Job No.: 0822-723-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466759

Enthalpy ID	OPR-13812-DF	Prep Batch	EU13812	Sample Vol (mL)	1000
Sample Name	OPR-13812-DF	Prep Date	2022-08-08 10:30	Extract Vol (mL)	0.02
Matrix	aqueous	Analysis Date	2022-08-16 16:42	Split Factor	N/A
Sampling Date		Analyst	bahager	Method Code	WM-016
Received Date		Instrument	Galadriel	Sample Type	Control

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	10.23	205	205	5.00	1.36	67-158%	102.3%	
ES	13C-2378-TCDD (ES)	76523-40-5	69.22	1384			5.46	25-175%	69.2%	
CS	37Cl-2378-TCDD (CS)		44.85	897			1.36	39-154%	112.1%	
AS	13C-1368-TCDD (AS)		76.40	1528			5.24	20-150%	76.4%	

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0822-723 EPA Method 1613B
Client Project #	EO-466759

Custody	Megan Holden of Enthalpy Analytical Wilmington received the samples (via FedEx) on ice on August 5, 2022 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 sample was analyzed by EPA Method 1613B for 2,3,7,8 TCDD 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 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	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 amount 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: The EDL is unique to isotope dilution methods and reflects the conditions of analysis at the time of analysis, including the equipment used. Where the MDL is a static value, the EDL is a dynamic value.
- EMPC – Estimated Maximum Possible Concentration: EMPC is specific to Dioxin/Furan tests to indicate the determined ion-abundance ratio was outside the allowed theoretical range (usually due to being near the detection limit, although it can very rarely be caused by a co-eluting interference). The EMPC concentration is adjusted to reflect the value at the theoretical ion-abundance ratio.
- IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria. The analyte concentration may be inaccurate due to interference.
- 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 Quantitation: 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 LOQ 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.
- <LOQ() – Analyte was not found at a concentration high enough to be reported as above the QSM-defined LOQ or TNI defined Reporting Limit. It is reported as less than the LOQ, and the LOQ 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 / Q – The labeled standard recovery is not within method control limits.
- X – Indicates the result is 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.
- R – Indicates a re-extraction of the sample.
- RJ – Indicates a reinjection of the sample extract.

- S – Indicates a sample split. The number that follows the "S" indicates the split factor.
- SAT – Indicates an analyte saturated the detector.

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 #: Required, to be sent via email

0822-723

Enthalpy Order: EO-466759
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: Quant Method PfasToBerkeley, EDD Filename TestWllmGeoTracker EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	03-AUG-2022 12:15	466759-001	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW04D	03-AUG-2022 10:40	466759-002	1	Water	EPA 1613 - 2,3,7,8-TCDD only	
MCWP-MW09	03-AUG-2022 12:40	466759-003	1	Water	EPA 1613 - 2,3,7,8-TCDD only	

Notes:	Relinquished By:	Received By:
Fedex, 777577776 9463, cooler, ambient, no seals, good condition, 2.4°C TID MJL 8.5.22		FEDEX 7775 7776 9463
	Date: 8/4/22 1500	Date: 8/4/22
		[signature]
	Date:	Date: 8.5.22 10:05
	Date:	Date:

This Is The Last Page Of This Report.

Laboratory Job Number 466759

Subcontracted Products

SGS Forensic

SGS FORENSIC LABORATORIES

ANALYSIS REPORT
ASBESTOS IN DRINKING WATER
Transmission Electron Microscopy*

Client:	Enthalpy Analytical LLC		
Contact:	Ranjit K Clarke	Client Number:	1137
Street:	2323 5th Street	Report Number:	T035528
City/state/zip:	Berkeley, CA 94710	Date/time Received:	8/5/22 1245

Site:		Date filtered:	8/5/22
Job ID/PO:	EO-466759, PO-032142	Analyst(s):	MAB
Date Collected:	8/3/22	Date Analyzed:	8/12/22
Hold time, hrs:	>48	Date Reported:	8/12/22
Filter type:	25mm MCE	Date Printed:	8/12/22
Pore size:	0.22 µm		

ANALYTICAL RESULTS

Sample Number	SMBRP-12	MCWP-MW04D	MCWP-MW09	
Description				
Lab Sample Number	20138755	20138756	20138757	
Volume Filtered, mL	1	30	30	
Filter Area, mm2	190	190	190	
Grid Opening Area, mm^2	0.0086	0.0086	0.0086	
Number of GO's Analyzed	10	4	4	
Area Analyzed, mm^2	0.086	0.0344	0.0344	
# Asbestos Fibers ≥10 µm	0	0	0	
Analytical Sensitivity, MFL	2.2	0.2	0.2	
Asbestos Concentration, ≥10um in length, MFL	**<2.2**	**<0.2**	**<0.2**	
Asbestos Type(s) Detected**	**ND**	**ND**	**ND**	
95% Upper Conf. Limit, MFL	8.1	0.7	0.7	
95% Lower Conf. Limit, MFL	0.0	0.0	0.0	

0



Mark Floyd, Analytical Microscopy Supervisor

* Method 100.2 (EPA/600/R-94/134). Results are reported in Millions of Fibers per Liter (MFL) over 10 µm in length.

** Asbestos types: CH=chrysotile; AM=amosite; CR=crocidolite; TR=tremolite; AC=actinolite; AN=anthophyllite; ND=none detected; NA-Not Analyzed; n/a=not applicable (i.e., divide by 0); OV=overloaded; BL=blank sample; PF=prepped not analyzed.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (Client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full with approval from SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. This report must not be used by the client to claim product endorsement by NVLAP or any U.S. government agency. SGSFL is unable to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of 30 days, according to all state and federal guidelines, unless otherwise specified.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
SGS Forensic
3777 Depot Road
Suite 409
Hayward, CA 94545
ATTN:
PO #: Required, to be sent via email

Enthalpy Order: EO-466759
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	03-AUG-2022 12:15	466759-001	1	Water	EPA 100.2 Asbestos	
MCWP-MW04D	03-AUG-2022 10:40	466759-002	1	Water	EPA 100.2 Asbestos	
MCWP-MW09	03-AUG-2022 12:40	466759-003	1	Water	EPA 100.2 Asbestos	

Notes:	Relinquished By:	Received By:
		GLS 557470 570
	Date: 8/4/22 1500	Date: 8/4/22
	Date:	Date: RECEIVED AUG 05 2022
	Date:	Date: BY: Connie 12:45

Laboratory Job Number 466759

Subcontracted Products

Pace Analytical - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 26, 2022

Ms. Patricia Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: 466759
Pace Project No.: 30512096

Dear Ms. Mata:

Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2022. 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,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical
David Tripp, 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: 466759
Pace Project No.: 30512096

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 #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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

SAMPLE SUMMARY

Project: 466759
Pace Project No.: 30512096

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30512096001	**SMBRP-12**	Water	08/03/22 12:15	08/05/22 14:20
30512096002	**MCWP-MW04D**	Water	08/03/22 10:40	08/05/22 14:20
30512096003	**MCWP-MW09**	Water	08/03/22 12:40	08/05/22 14:20

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

SAMPLE ANALYTE COUNT

Project: 466759
Pace Project No.: 30512096

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30512096001	**SMBRP-12**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA
30512096002	**MCWP-MW04D**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA
30512096003	**MCWP-MW09**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

Sample: SMBRP-12 **Lab ID: 30512096001** Collected: 08/03/22 12:15 Received: 08/05/22 14:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Added 7.5mL HNO3 to samples
• BP1N = 3/6 - 6/6 for each sample

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**-2.02 ± 4.80 (9.95) C:NA T:NA**	pCi/L	08/12/22 18:48	12587-46-1	
Gross Beta	EPA 900.0	**22.2 ± 5.74 (6.21) C:NA T:NA**	pCi/L	08/12/22 18:48	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.173 ± 0.408 (0.755) C:NA T:96%**	pCi/L	08/19/22 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.0508 ± 0.287 (0.658) C:77% T:93%**	pCi/L	08/25/22 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**1.42 ± 1.67 (3.03) C:103% T:NA**	pCi/L	08/16/22 19:13	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**5.14 ± 156 (277) C:NA T:NA**	pCi/L	09/03/22 01:52	10028-17-8	

Sample: MCWP-MW04D **Lab ID: 30512096002** Collected: 08/03/22 10:40 Received: 08/05/22 14:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Added 7.5mL HNO3 to samples
• BP1N = 3/6 - 6/6 for each sample

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**3.88 ± 2.95 (4.93) C:NA T:NA**	pCi/L	08/12/22 18:48	12587-46-1	
Gross Beta	EPA 900.0	**1.50 ± 1.75 (3.13) C:NA T:NA**	pCi/L	08/12/22 18:48	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.0570 ± 0.403 (0.855) C:NA T:93%**	pCi/L	08/19/22 15:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.706 ± 0.399 (0.727) C:74% T:93%**	pCi/L	08/25/22 14:39	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-1.19 ± 1.44 (2.87) C:98% T:NA**	pCi/L	08/16/22 19:18	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**66.6 ± 160 (276) C:NA T:NA**	pCi/L	09/03/22 02:38	10028-17-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

Sample: MCWP-MW09 **Lab ID: 30512096003** Collected: 08/03/22 12:40 Received: 08/05/22 14:20 Matrix: Water
PWS: Site ID: Sample Type:

Comments: • Added 7.5mL HNO3 to samples
• BP1N = 3/6 - 6/6 for each sample

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Gross Alpha	EPA 900.0	**11.3 ± 5.98 (8.93) C:NA T:NA**	pCi/L	08/12/22 18:49	12587-46-1	
Gross Beta	EPA 900.0	**9.47 ± 3.86 (5.70) C:NA T:NA**	pCi/L	08/12/22 18:49	12587-47-2	
		Pace Analytical Services - Greensburg				
Radium-226	EPA 903.1	**0.201 ± 0.349 (0.623) C:NA T:94%**	pCi/L	08/19/22 15:15	13982-63-3	
		Pace Analytical Services - Greensburg				
Radium-228	EPA 904.0	**0.315 ± 0.341 (0.710) C:78% T:91%**	pCi/L	08/25/22 14:39	15262-20-1	
		Pace Analytical Services - Greensburg				
Strontium-90	ASTM D5811-95	**0.730 ± 1.68 (3.13) C:93% T:NA**	pCi/L	08/16/22 19:18	10098-97-2	N2
		Pace Analytical Services - Greensburg				
Tritium	EPA 906.0	**66.4 ± 160 (276) C:NA T:NA**	pCi/L	09/03/22 03:25	10028-17-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

QC Batch: 525970
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30512096001, 30512096002, 30512096003

METHOD BLANK: 2551582 Matrix: Water
Associated Lab Samples: 30512096001, 30512096002, 30512096003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	5.15 ± 157 (278) C:NA T:NA	pCi/L	09/03/22 01:06	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

QC Batch: 524828
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: 30512096001, 30512096002, 30512096003

METHOD BLANK: 2545469 Matrix: Water
Associated Lab Samples: 30512096001, 30512096002, 30512096003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.418 ± 0.289 (0.545) C:77% T:96%	pCi/L	08/25/22 14:35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

QC Batch: 524946
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: 30512096001, 30512096002, 30512096003

METHOD BLANK: 2545892 Matrix: Water
Associated Lab Samples: 30512096001, 30512096002, 30512096003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	-0.129 ± 0.639 (1.87) C:NA T:NA	pCi/L	08/15/22 08:52	
Gross Beta	0.039 ± 0.779 (1.94) C:NA T:NA	pCi/L	08/15/22 08:52	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

QC Batch: 524827
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: 30512096001, 30512096002, 30512096003

METHOD BLANK: 2545466 Matrix: Water
Associated Lab Samples: 30512096001, 30512096002, 30512096003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.0427 ± 0.251 (0.560) C:NA T:99%	pCi/L	08/19/22 15:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466759
Pace Project No.: 30512096

QC Batch: 524516
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: 30512096001, 30512096002, 30512096003

METHOD BLANK: 2543555 Matrix: Water
Associated Lab Samples: 30512096001, 30512096002, 30512096003

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.152 ± 0.425 (0.998) C:100% T:NA	pCi/L	08/17/22 09:06	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 466759
Pace Project No.: 30512096

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 466759
Pace Project No.: 30512096

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30512096001	**SMBRP-12**	EPA 900.0	524946		
30512096002	**MCWP-MW04D**	EPA 900.0	524946		
30512096003	**MCWP-MW09**	EPA 900.0	524946		
30512096001	**SMBRP-12**	EPA 903.1	524827		
30512096002	**MCWP-MW04D**	EPA 903.1	524827		
30512096003	**MCWP-MW09**	EPA 903.1	524827		
30512096001	**SMBRP-12**	EPA 904.0	524828		
30512096002	**MCWP-MW04D**	EPA 904.0	524828		
30512096003	**MCWP-MW09**	EPA 904.0	524828		
30512096001	**SMBRP-12**	ASTM D5811-95	524516		
30512096002	**MCWP-MW04D**	ASTM D5811-95	524516		
30512096003	**MCWP-MW09**	ASTM D5811-95	524516		
30512096001	**SMBRP-12**	EPA 906.0	525970		
30512096002	**MCWP-MW04D**	EPA 906.0	525970		
30512096003	**MCWP-MW09**	EPA 906.0	525970		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466759
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#: 30512096

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	03-AUG-2022 12:15	466759-001	1	Water	EPA 900.0 Gross Alpha and Beta	001
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW04D	03-AUG-2022 10:40	466759-002	1	Water	EPA 900.0 Gross Alpha and Beta	002
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW09	03-AUG-2022 12:40	466759-003	1	Water	EPA 900.0 Gross Alpha and Beta	003
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FedEx 7775 7716 4899
	Date: 8/4/22	Date: 8/4/22
	Date:	Date: 8-5-22 1430
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project #

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Label PS
LIMS Login

Tracking #: 7775 7716 4899

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used 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# 1000421 Date and Initials of person examining contents: PS 8/7/22

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:	✓			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. Tritium / added ~~5.0~~ 7.5 mL HNO_3 to Samples 001-003 BPIN=3/6 - 6/6 for each sample. PS 8/8/22
All containers meet method preservation requirements.		✓		Initial when completed: PS Date/time of preservation: 8/8/22 9:05 Lot # of added preservative: HNO_3 D122-0893
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: PS Date: 8/7/22 Survey Meter SN: 1563

WO#: 30512096
Due Date: 08/26/22
PM: NMY
CLIENT: ENTHALPY

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.

Pace Analytical®

Pace Greensburg Lab -Sample Container Count

Client

Site 466759

Profile Number 6364

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	WT									1		6																	
2	↓									1		6																	
3	↓									1		6																	
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

WO#: 30512096

PM: NMY Due Date: 08/26/22

CLIENT: ENTHALPY

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserve
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

ANALYTICAL REPORT

August 26, 2022

Pace Analytical - Greensburg, PA

Sample Delivery Group:	L1527629
Samples Received:	08/20/2022
Project Number:	30512096
Description:	466759
Site:	001
Report To:	Nikayla Yasurek

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

SMBRP-12 L1527629-01 5

MCWP-MW04D L1527629-02 6

MCWP-MW09 L1527629-03 7

Qc: Quality Control Summary 8

Radiochemistry by Method D5174 8

Gl: Glossary of Terms 9

Al: Accreditations & Locations 10

Sc: Sample Chain of Custody 11

SMBRP-12 L1527629-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/03/22 12:15	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 19:15	RRE	Mt. Juliet, TN

MCWP-MW04D L1527629-02 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/03/22 10:40	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 19:17	RRE	Mt. Juliet, TN

MCWP-MW09 L1527629-03 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/03/22 12:40	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 19:20	RRE	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

Radiochemistry by Method D5174

Analyte	Result ug/l	Qualifier	Uncertainty + / -	RDL ug/l	Analysis Date date / time	Batch
Uranium	1.26			1.00	08/24/2022 19:15	WG1914421

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	6.02			1.00	08/24/2022 19:17	WG1914421

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	2.29			1.00	08/24/2022 19:20	WG1914421

Method Blank (MB)

(MB) R3830595-1 08/24/22 18:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Uranium	U		1.00	1.00

L1527707-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1527707-01 08/24/22 19:42 • (DUP) R3830595-5 08/24/22 19:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Uranium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3830595-2 08/24/22 19:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	30.0	28.4	94.7	80.0-120	

L1527621-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1527621-01 08/24/22 19:12 • (MS) R3830595-3 08/24/22 19:04 • (MSD) R3830595-4 08/24/22 19:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	ND	19.4	19.4	96.8	96.9	1	75.0-125			0.102	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

A109

Internal Transfer Chain of Custody

Pace Analytical®
www.pacelabs.com

☐ Samples Pre-Logged into eCOC.

State Of Origin: CA
Cert. Needed: [X] Yes ☐ No
Owner Received Date: 8/5/2022
Results Requested By: 8/26/2022

Workorder: 30512096 **Workorder Name:** 466759

Report To	Subcontract To
Nikayla M. Yasurek Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	Requested Analysis: Total Uranium KPA	LAB USE ONLY
1	SMBRP-12	PS	8/3/2022 12:15	30512096001	Water	1	X	-01
2	MCWP-MW04D	PS	8/3/2022 10:40	30512096002	Water	1	X	-02
3	MCWP-MW09	PS	8/3/2022 12:40	30512096003	Water	1	X	-03
4								
5								

L1527629

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible]	8/4/22 [illegible]	[illegible]	8/5/22 0900
2				
3				

Comments

Cooler Temperature on Receipt °C	Custody Seal (Y) or N	Received on Ice (Y) or N	Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

22.7+0=22.7
RLAY

Sample Receipt Checklist

COC Seal Present/Intact:	Y N	If Applicable	
COC Signed/Accurate:	Y N	VOA Zero Headspace:	Y N
Bottles arrive intact:	Y N	Pres.Correct/Check:	Y N
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

S344 4/02 5658

L1527629

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466759
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# : 30512096
30512096

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-12	03-AUG-2022 12:15	466759-001	1	Water	EPA 900.0 Gross Alpha and Beta	001
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW04D	03-AUG-2022 10:40	466759-002	1	Water	EPA 900.0 Gross Alpha and Beta	002
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	
MCWP-MW09	03-AUG-2022 12:40	466759-003	1	Water	EPA 900.0 Gross Alpha and Beta	003
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FED EX 7775 7716 4899
	Date: 8/4/22	Date: 8/5/22
	Date:	Date: 8-5-22 1930
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # L1527629

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label PS
LIMS Login

Tracking #: 7775 7716 4899

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Thermometer Used _____ 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

Comments:	Yes	No	N/A	pH paper Lot# 1000421 / Date and Initials of person examining contents: PS 8/7/22
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:	✓			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. Tritium / added ~~5.0mL~~ 7.5 mL HNO_3 to samples 001-003 BPIN=3/6-6/6 for each sample. PS 8/8/22
All containers meet method preservation requirements.		✓		Initial when completed: PS Date/time of preservation: 8/8/22 9:05 Lot # of added preservative: HNO_3 D122-0893
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: PS Date: 8/7/22 Survey Meter SN: 1563

WO#: 30512096
PM: NMY Due Date: 08/26/22
CLIENT: ENTHALPY

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.

Pace Analytical®

Pace Greensburg Lab -Sample Container Count

Client

Site 466759

Profile Number 6364 | 45227629

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	WT									1		6																	
2	↓									1		6																	
3	↓									1		6																	
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

WO#: 30512096

PM: NMY Due Date: 08/26/22

CLIENT: ENTHALPY

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

Laboratory Job Number 466759

Subcontracted Products

Weck Laboratories, Inc.

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 2H04102

Project: EO-466759

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 10/03/2022

Received Date: 8/4/2022

Turnaround Time: Normal

Phones: (714) 771-9906

Fax: (714) 771-9933

P.O. #:

Billing Code:

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/04/22 with the Chain-of-Custody document. The samples were received in good condition, at 4.3 °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:

Rahul R. Nair
Project Manager

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-12	Client	2H04102-01	Water	08/03/22 12:15	
SMBRP-12 Travel Blank	Client	2H04102-02	Water	08/03/22 00:00	
MCWP-MW04D	Client	2H04102-03	Water	08/03/22 10:40	
MCWP-MW04D Travel Blank	Client	2H04102-04	Water	08/03/22 00:00	
MCWP-MW09	Client	2H04102-05	Water	08/03/22 12:40	
MCWP-MW09 Travel Blank	Client	2H04102-06	Water	08/03/22 00:00	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Results

Sample: SMBRP-12
2H04102-01 (Water)

Sampled: 08/03/22 12:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0824 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/10/22 08:33				**Analyst:** rmr
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/16/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/16/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/16/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/16/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/16/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/16/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/16/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/16/22	
2,4-Dinitrophenol	ND	1.9	10	ug/l	1	08/16/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/16/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/16/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/16/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/16/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l	1	08/16/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/16/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/16/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/16/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/16/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/16/22	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	08/16/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/16/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/16/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/16/22	
Benzidine	ND	3.2	10	ug/l	1	08/16/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/16/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/16/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/16/22	
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l	1	08/16/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/16/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/16/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/16/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/16/22	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	08/16/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/16/22	
Chrysene	ND	0.19	1.0	ug/l	1	08/16/22	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: SMBRP-12

Sampled: 08/03/22 12:15 by Client

2H04102-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0824 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/10/22 08:33			**Analyst:** rmr	
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l	1	08/16/22	
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/16/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/16/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/16/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/16/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/16/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/16/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/16/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/16/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/16/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/16/22	
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l	1	08/16/22	
Isophorone	ND	0.21	1.0	ug/l	1	08/16/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/16/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/16/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/16/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/16/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/16/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/16/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/16/22	
Phenol	ND	0.81	1.0	ug/l	1	08/16/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/16/22	
Surrogate(s)							
2,4,6-Tribromophenol	*78%*	*Conc: 29.5*	*25-120*			*08/16/22*	
2-Fluorobiphenyl	*80%*	*Conc: 15.2*	*22-120*			*08/16/22*	
2-Fluorophenol	*50%*	*Conc: 18.9*	*17-120*			*08/16/22*	
Nitrobenzene-d5	*88%*	*Conc: 16.8*	*47-120*			*08/16/22*	
Phenol-d5	*34%*	*Conc: 13.1*	*12-120*			*08/16/22*	
Terphenyl-d14	*96%*	*Conc: 18.3*	*44-129*			*08/16/22*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Bromate	ND	140	500	ug/l	100	08/15/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/15/22	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 519*	*90-115*			*08/15/22*	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: SMBRP-12

Sampled: 08/03/22 12:15 by Client

2H04102-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1 (Continued)							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1673 **Preparation:** _NONE (LC)			**Prepared:** 08/22/22 13:22			**Analyst:** PJS	
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l	1	08/25/22	
Aldicarb	ND	0.58	2.0	ug/l	1	08/25/22	
Aldicarb sulfone	ND	0.73	2.0	ug/l	1	08/25/22	
Aldicarb sulfoxide	ND	1.0	2.0	ug/l	1	08/25/22	
Carbaryl	ND	1.0	2.0	ug/l	1	08/25/22	
Carbofuran	ND	1.0	2.0	ug/l	1	08/25/22	
Methiocarb	ND	1.0	2.0	ug/l	1	08/25/22	
Methomyl	ND	1.3	2.0	ug/l	1	08/25/22	
Oxamyl	ND	1.1	2.0	ug/l	1	08/25/22	
Propoxur (Baygon)	ND	1.4	2.0	ug/l	1	08/25/22	
Surrogate(s)							
BDMC	*89%*	*Conc: 8.91*	*70-130*			*08/25/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H1051 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/12/22 08:22			**Analyst:** rjg	
2,4,5-T	ND	0.030	0.20	ug/l	1	08/17/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/17/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/17/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/17/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/17/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/17/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/17/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/17/22	
DCPA	ND	0.029	0.10	ug/l	1	08/17/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/17/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/17/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/17/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/17/22	
Picloram	ND	0.050	0.60	ug/l	1	08/17/22	
Surrogate(s)							
2,4-DCAA	*91%*	*Conc: 9.15*	*70-130*			*08/17/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: SMBRP-12

Sampled: 08/03/22 12:15 by Client

2H04102-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08				**Analyst:** rjg
4,4´-DDD	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
4,4´-DDE	ND	0.0037	0.020	ug/l	2	08/20/22	M-04
4,4´-DDT	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Aldrin	ND	0.0080	0.020	ug/l	2	08/20/22	M-04
alpha-BHC	ND	0.0038	0.020	ug/l	2	08/20/22	M-04
Aroclor 1016	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Aroclor 1221	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Aroclor 1232	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Aroclor 1242	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Aroclor 1248	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Aroclor 1254	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Aroclor 1260	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
beta-BHC	ND	0.0048	0.020	ug/l	2	08/20/22	M-04
Chlordane (tech)	ND	0.20	0.20	ug/l	2	08/20/22	M-04, R-01
Chlorothalonil	ND	0.0030	0.10	ug/l	2	08/20/22	M-04
delta-BHC	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Dieldrin	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Endosulfan I	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Endosulfan II	ND	0.0033	0.020	ug/l	2	08/20/22	M-04
Endosulfan sulfate	ND	0.020	0.020	ug/l	2	08/20/22	M-04, R-01
Endrin	ND	0.0027	0.020	ug/l	2	08/20/22	M-04
Endrin aldehyde	ND	0.0080	0.020	ug/l	2	08/20/22	M-04
gamma-BHC (Lindane)	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
Heptachlor	ND	0.0035	0.020	ug/l	2	08/20/22	M-04
Heptachlor epoxide	ND	0.0038	0.020	ug/l	2	08/20/22	M-04
Hexachlorobenzene	ND	0.0080	0.10	ug/l	2	08/20/22	M-04
Hexachlorocyclopentadiene	ND	0.013	0.10	ug/l	2	08/20/22	M-04
Methoxychlor	ND	0.0060	0.020	ug/l	2	08/20/22	M-04
PCBs, Total	ND		1.0	ug/l	2	08/20/22	M-04
Propachlor	ND	0.040	0.10	ug/l	2	08/20/22	M-04
Toxaphene	ND	1.0	1.0	ug/l	2	08/20/22	M-04, R-01
Trifluralin	ND	0.0040	0.020	ug/l	2	08/20/22	M-04
Surrogate(s)							
4,4-Dibromobiphenyl	*107%*	*Conc: 0.103*	*70-130*			*08/20/22*	
Diquat and Paraquat by EPA 549.2							

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: SMBRP-12

Sampled: 08/03/22 12:15 by Client

2H04102-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0719 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/09/22 06:52				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/25/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/25/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/11/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H0546 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 10:42				**Analyst:** pjs
Glyphosate	ND	1.8	5.0	ug/l	1	08/08/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/05/22 07:50				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/10/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H0522 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/05/22 07:50				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/10/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/10/22	
Monochloroacetic acid (mcaa)	**0.31**	0.31	2.0	ug/l	1	08/10/22	J
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Surrogate(s)							
2-Bromobutyric acid	*104%*	*Conc: 10.4*	*70-130*			*08/10/22*	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l	1	08/11/22	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/06/22	
Sucralose	**1200**	20	20	ng/l	1	08/06/22	
Surrogate(s)							
17-b-Estradiol-d3	*110%*	*Conc: 219*	*20-500*			*08/06/22*	
Sucralose-d6	*24%*	*Conc: 237*	*20-500*			*08/06/22*	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: SMBRP-12

Sampled: 08/03/22 12:15 by Client

2H04102-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS (Continued)							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26			**Analyst:** jna	
Triclosan	ND	8.0	8.0	ng/l	1	08/04/22	
Surrogate(s)							
Triclosan-d3	*85%*	*Conc: 342*	*20-500*			*08/04/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0445 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:27			**Analyst:** jna	
Caffeine	ND	4.0	4.0	ng/l	1	08/04/22	
DEET	**6.0**	4.0	4.0	ng/l	1	08/04/22	
Surrogate(s)							
Caffeine-13C3	*127%*	*Conc: 254*	*20-500*			*08/04/22*	
DEET-d7	*103%*	*Conc: 20.6*	*20-500*			*08/04/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H1378 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/17/22 07:53			**Analyst:** rmr	
Alachlor	ND	0.030	0.10	ug/l	1	08/18/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/18/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/18/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/18/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/18/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/18/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/18/22	
Captan	ND	0.32	1.0	ug/l	1	08/18/22	
Chlorpropham	ND	0.040	0.10	ug/l	1	08/18/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/18/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/18/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/18/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/18/22	
EPTC	ND	0.020	0.10	ug/l	1	08/18/22	
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/18/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/18/22	
Metribuzin	**0.059**	0.030	0.10	ug/l	1	08/18/22	J
Molinate	ND	0.030	0.10	ug/l	1	08/18/22	
Prometryn	ND	0.030	0.10	ug/l	1	08/18/22	
Simazine	ND	0.020	0.10	ug/l	1	08/18/22	
Terbacil	ND	0.090	2.0	ug/l	1	08/18/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/18/22	
Trithion	ND	0.020	0.10	ug/l	1	08/18/22	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results (Continued)

Sample: SMBRP-12
2H04102-01 (Water)

Sampled: 08/03/22 12:15 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H1378 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/17/22 07:53			**Analyst:** rmr	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*105%*	*Conc: 5.32*	*70-130*			*08/18/22*	
Perylene-d12	*104%*	*Conc: 5.25*	*50-120*			*08/18/22*	
Triphenyl phosphate	*109%*	*Conc: 5.53*	*70-130*			*08/18/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*105%*	*Conc: 0.421*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*88%*	*Conc: 0.351*	*70-130*			*08/13/22*	

Sample Results (Continued)

Sample: SMBRP-12
2H04102-01RE1 (Water)

Sampled: 08/03/22 12:15 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W2H1192 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:43			**Analyst:** JAN	
Chromium 6+	ND	0.040	0.10	ug/l	5	08/15/22	M-05

Sample Results (Continued)

Sample: SMBRP-12 Travel Blank
2H04102-02 (Water)

Sampled: 08/03/22 0:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*85%*	*Conc: 0.339*	*70-130*			*08/13/22*	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D
2H04102-03 (Water)

Sampled: 08/03/22 10:40 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0824 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/10/22 08:33			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/16/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/16/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/16/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/16/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/16/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/16/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/16/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/16/22	
2,4-Dinitrophenol	ND	1.9	10	ug/l	1	08/16/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/16/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/16/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/16/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/16/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l	1	08/16/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/16/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/16/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/16/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/16/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/16/22	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	08/16/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/16/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/16/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/16/22	
Benzidine	ND	3.2	10	ug/l	1	08/16/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/16/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/16/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/16/22	
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l	1	08/16/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/16/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/16/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/16/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/16/22	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	08/16/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/16/22	
Chrysene	ND	0.19	1.0	ug/l	1	08/16/22	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D
2H04102-03 (Water)

Sampled: 08/03/22 10:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1				**Instr:** GCMS06			
Batch ID: W2H0824 **Preparation:** EPA 625/L-L SF				**Prepared:** 08/10/22 08:33			**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l	1	08/16/22	
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/16/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/16/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/16/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/16/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/16/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/16/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/16/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/16/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/16/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/16/22	
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l	1	08/16/22	
Isophorone	ND	0.21	1.0	ug/l	1	08/16/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/16/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/16/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/16/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/16/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/16/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/16/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/16/22	
Phenol	ND	0.81	1.0	ug/l	1	08/16/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/16/22	
Surrogate(s)							
2,4,6-Tribromophenol	*73%*	*Conc: 27.9*	*25-120*			*08/16/22*	
2-Fluorobiphenyl	*81%*	*Conc: 15.6*	*22-120*			*08/16/22*	
2-Fluorophenol	*60%*	*Conc: 23.1*	*17-120*			*08/16/22*	
Nitrobenzene-d5	*94%*	*Conc: 17.9*	*47-120*			*08/16/22*	
Phenol-d5	*43%*	*Conc: 16.5*	*12-120*			*08/16/22*	
Terphenyl-d14	*93%*	*Conc: 17.8*	*44-129*			*08/16/22*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1				**Instr:** LC08_Channel2			
Batch ID: W2H1193 **Preparation:** _NONE (LC)				**Prepared:** 08/15/22 10:47			**Analyst:** JAN
Bromate	ND	140	500	ug/l	100	08/15/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/15/22	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 519*	*90-115*			*08/15/22*	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D
2H04102-03 (Water)

Sampled: 08/03/22 10:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1 (Continued)							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1673 **Preparation:** _NONE (LC)			**Prepared:** 08/22/22 13:22			**Analyst:** PJS	
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l	1	08/25/22	
Aldicarb	ND	0.58	2.0	ug/l	1	08/25/22	
Aldicarb sulfone	ND	0.73	2.0	ug/l	1	08/25/22	
Aldicarb sulfoxide	ND	1.0	2.0	ug/l	1	08/25/22	
Carbaryl	ND	1.0	2.0	ug/l	1	08/25/22	
Carbofuran	ND	1.0	2.0	ug/l	1	08/25/22	
Methiocarb	ND	1.0	2.0	ug/l	1	08/25/22	
Methomyl	ND	1.3	2.0	ug/l	1	08/25/22	
Oxamyl	ND	1.1	2.0	ug/l	1	08/25/22	
Propoxur (Baygon)	ND	1.4	2.0	ug/l	1	08/25/22	
Surrogate(s)							
BDMC	*94%*	*Conc: 9.44*	*70-130*			*08/25/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H1051 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/12/22 08:22			**Analyst:** rjg	
2,4,5-T	ND	0.030	0.20	ug/l	1	08/17/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/17/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/17/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/17/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/17/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/17/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/17/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/17/22	
DCPA	ND	0.029	0.10	ug/l	1	08/17/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/17/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/17/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/17/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/17/22	
Picloram	ND	0.050	0.60	ug/l	1	08/17/22	
Surrogate(s)							
2,4-DCAA	*93%*	*Conc: 9.30*	*70-130*			*08/17/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D
2H04102-03 (Water)

Sampled: 08/03/22 10:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08				**Analyst:** rjg
4,4´-DDD	ND	0.0030	0.010	ug/l	1	08/20/22	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/20/22	
4,4´-DDT	ND	0.0030	0.010	ug/l	1	08/20/22	
Aldrin	ND	0.0040	0.010	ug/l	1	08/20/22	
alpha-BHC	ND	0.0019	0.010	ug/l	1	08/20/22	
Aroclor 1016	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1221	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1232	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1242	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1248	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1254	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1260	ND	0.10	0.10	ug/l	1	08/20/22	R-01
beta-BHC	ND	0.0024	0.010	ug/l	1	08/20/22	
Chlordane (tech)	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Chlorothalonil	ND	0.0015	0.050	ug/l	1	08/20/22	
delta-BHC	ND	0.0030	0.010	ug/l	1	08/20/22	
Dieldrin	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan I	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan II	ND	0.0016	0.010	ug/l	1	08/20/22	
Endosulfan sulfate	ND	0.0030	0.010	ug/l	1	08/20/22	
Endrin	ND	0.0013	0.010	ug/l	1	08/20/22	
Endrin aldehyde	ND	0.0040	0.010	ug/l	1	08/20/22	
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l	1	08/20/22	
Heptachlor	ND	0.0017	0.010	ug/l	1	08/20/22	
Heptachlor epoxide	ND	0.0019	0.010	ug/l	1	08/20/22	
Hexachlorobenzene	ND	0.0040	0.050	ug/l	1	08/20/22	
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l	1	08/20/22	
Methoxychlor	ND	0.0030	0.010	ug/l	1	08/20/22	
PCBs, Total	ND		0.50	ug/l	1	08/20/22	
Propachlor	ND	0.020	0.050	ug/l	1	08/20/22	
Toxaphene	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Trifluralin	ND	0.0020	0.010	ug/l	1	08/20/22	
Surrogate(s)							
4,4-Dibromobiphenyl	*97%*	*Conc: 0.0919*	*70-130*			*08/20/22*	
Diquat and Paraquat by EPA 549.2							

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D — Sampled: 08/03/22 10:40 by Client

2H04102-03 (Water) (Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0719 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/09/22 06:52				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/25/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/25/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/11/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H0546 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 10:42				**Analyst:** pjs
Glyphosate	ND	1.8	5.0	ug/l	1	08/08/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/05/22 07:50				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/10/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H0522 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/05/22 07:50				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/10/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/10/22	
Monochloroacetic acid (mcaa)	ND	0.31	2.0	ug/l	1	08/10/22	
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Surrogate(s)							
2-Bromobutyric acid	*103%*	*Conc: 10.3*	*70-130*			*08/10/22*	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l	1	08/11/22	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/06/22	
Surrogate(s)							
17-b-Estradiol-d3	*106%*	*Conc: 211*	*20-500*			*08/06/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26				**Analyst:** jna
Triclosan	ND	8.0	8.0	ng/l	1	08/05/22	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D
2H04102-03 (Water)

Sampled: 08/03/22 10:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS (Continued)							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26			**Analyst:** jna	
Surrogate(s)							
Triclosan-d3	*81%*	*Conc: 323*	*20-500*			*08/05/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0445 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:27			**Analyst:** jna	
Caffeine	ND	4.0	4.0	ng/l	1	08/04/22	
DEET	ND	4.0	4.0	ng/l	1	08/04/22	
Surrogate(s)							
Caffeine-13C3	*102%*	*Conc: 204*	*20-500*			*08/04/22*	
DEET-d7	*101%*	*Conc: 20.1*	*20-500*			*08/04/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0814 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/10/22 06:37			**Analyst:** rmr	
Alachlor	ND	0.030	0.10	ug/l	1	08/12/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/12/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/12/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/12/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/12/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/12/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/12/22	
Captan	ND	0.32	1.0	ug/l	1	08/12/22	BS-04
Chlorpropham	ND	0.040	0.10	ug/l	1	08/12/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/12/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/12/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/12/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/12/22	
EPTC	ND	0.020	0.10	ug/l	1	08/12/22	
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/12/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/12/22	
Metribuzin	ND	0.030	0.10	ug/l	1	08/12/22	
Molinate	ND	0.030	0.10	ug/l	1	08/12/22	
Prometryn	ND	0.030	0.10	ug/l	1	08/12/22	
Simazine	ND	0.020	0.10	ug/l	1	08/12/22	
Terbacil	ND	0.090	2.0	ug/l	1	08/12/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/12/22	
Trithion	ND	0.020	0.10	ug/l	1	08/12/22	
Surrogate(s)							

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results (Continued)

Sample: MCWP-MW04D — Sampled: 08/03/22 10:40 by Client

2H04102-03 (Water) (Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H0814 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/10/22 06:37				**Analyst:** rmr
1,3-Dimethyl-2-nitrobenzene	*100%*	*Conc: 5.01*	*70-130*			*08/12/22*	
Perylene-d12	*98%*	*Conc: 4.92*	*50-120*			*08/12/22*	
Triphenyl phosphate	*111%*	*Conc: 5.57*	*70-130*			*08/12/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*85%*	*Conc: 0.339*	*70-130*			*08/13/22*	

Sample Results (Continued)

Sample: MCWP-MW04D — Sampled: 08/03/22 10:40 by Client

2H04102-03RE1 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W2H1192 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:43				**Analyst:** JAN
Chromium 6+	ND	0.040	0.10	ug/l	5	08/15/22	M-05
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
Sucralose	**240**	100	100	ng/l	5	08/08/22	M-06
Surrogate(s)							
Sucralose-d6	*45%*	*Conc: 447*	*20-500*			*08/08/22*	

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW04D Travel Blank
2H04102-04 (Water)

Sampled: 08/03/22 0:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47			**Analyst:** ADM	
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.399*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*84%*	*Conc: 0.336*	*70-130*			*08/13/22*	

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW09
2H04102-05 (Water)

Sampled: 08/03/22 12:40 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0824 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/10/22 08:33			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/16/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/16/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/16/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/16/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/16/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/16/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/16/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/16/22	
2,4-Dinitrophenol	ND	1.9	10	ug/l	1	08/16/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/16/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/16/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/16/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/16/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l	1	08/16/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/16/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/16/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/16/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/16/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/16/22	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	08/16/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/16/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/16/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/16/22	
Benzidine	ND	3.2	10	ug/l	1	08/16/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/16/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/16/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/16/22	
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l	1	08/16/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/16/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/16/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/16/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/16/22	
Bis(2-ethylhexyl)phthalate	**5.8**	2.3	5.0	ug/l	1	08/16/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/16/22	
Chrysene	ND	0.19	1.0	ug/l	1	08/16/22	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW09

2H04102-05 (Water)

Sampled: 08/03/22 12:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1				**Instr:** GCMS06			
Batch ID: W2H0824 **Preparation:** EPA 625/L-L SF				**Prepared:** 08/10/22 08:33			**Analyst:** rmr
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l	1	08/16/22	
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/16/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/16/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/16/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/16/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/16/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/16/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/16/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/16/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/16/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/16/22	
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l	1	08/16/22	
Isophorone	ND	0.21	1.0	ug/l	1	08/16/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/16/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/16/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/16/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/16/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/16/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/16/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/16/22	
Phenol	ND	0.81	1.0	ug/l	1	08/16/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/16/22	
Surrogate(s)							
2,4,6-Tribromophenol	*71%*	*Conc: 27.7*	*25-120*			*08/16/22*	
2-Fluorobiphenyl	*79%*	*Conc: 15.4*	*22-120*			*08/16/22*	
2-Fluorophenol	*59%*	*Conc: 23.0*	*17-120*			*08/16/22*	
Nitrobenzene-d5	*94%*	*Conc: 18.2*	*47-120*			*08/16/22*	
Phenol-d5	*44%*	*Conc: 17.1*	*12-120*			*08/16/22*	
Terphenyl-d14	*93%*	*Conc: 18.0*	*44-129*			*08/16/22*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1				**Instr:** LC08_Channel2			
Batch ID: W2H1193 **Preparation:** _NONE (LC)				**Prepared:** 08/15/22 10:47			**Analyst:** JAN
Bromate	ND	140	500	ug/l	100	08/15/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/15/22	M-05
Surrogate(s)							
Dichloroacetate	*104%*	*Conc: 521*	*90-115*			*08/15/22*	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW09
2H04102-05 (Water)

Sampled: 08/03/22 12:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1 (Continued)							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1673 **Preparation:** _NONE (LC)			**Prepared:** 08/22/22 13:22			**Analyst:** PJS	
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l	1	08/25/22	
Aldicarb	ND	0.58	2.0	ug/l	1	08/25/22	
Aldicarb sulfone	ND	0.73	2.0	ug/l	1	08/25/22	
Aldicarb sulfoxide	ND	1.0	2.0	ug/l	1	08/25/22	
Carbaryl	ND	1.0	2.0	ug/l	1	08/25/22	
Carbofuran	ND	1.0	2.0	ug/l	1	08/25/22	
Methiocarb	ND	1.0	2.0	ug/l	1	08/25/22	
Methomyl	ND	1.3	2.0	ug/l	1	08/25/22	
Oxamyl	ND	1.1	2.0	ug/l	1	08/25/22	
Propoxur (Baygon)	ND	1.4	2.0	ug/l	1	08/25/22	
Surrogate(s)							
BDMC	*92%*	*Conc: 9.21*	*70-130*			*08/25/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H1051 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/12/22 08:22			**Analyst:** rjg	
2,4,5-T	ND	0.030	0.20	ug/l	1	08/17/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/17/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/17/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/17/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/17/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/17/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/17/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/17/22	
DCPA	ND	0.029	0.10	ug/l	1	08/17/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/17/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/17/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/17/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/17/22	
Picloram	ND	0.050	0.60	ug/l	1	08/17/22	
Surrogate(s)							
2,4-DCAA	*91%*	*Conc: 9.10*	*70-130*			*08/17/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW09

Sampled: 08/03/22 12:40 by Client

2H04102-05 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1280 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/16/22 08:08			**Analyst:** rjg	
4,4´-DDD	ND	0.0030	0.010	ug/l	1	08/20/22	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/20/22	
4,4´-DDT	ND	0.0030	0.010	ug/l	1	08/20/22	
Aldrin	ND	0.0040	0.010	ug/l	1	08/20/22	
alpha-BHC	ND	0.0019	0.010	ug/l	1	08/20/22	
Aroclor 1016	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1221	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1232	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1242	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1248	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1254	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Aroclor 1260	ND	0.10	0.10	ug/l	1	08/20/22	R-01
beta-BHC	ND	0.0024	0.010	ug/l	1	08/20/22	
Chlordane (tech)	ND	0.10	0.10	ug/l	1	08/20/22	R-01
Chlorothalonil	ND	0.0015	0.050	ug/l	1	08/20/22	
delta-BHC	ND	0.0030	0.010	ug/l	1	08/20/22	
Dieldrin	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan I	ND	0.0030	0.010	ug/l	1	08/20/22	
Endosulfan II	ND	0.0016	0.010	ug/l	1	08/20/22	
Endosulfan sulfate	ND	0.010	0.010	ug/l	1	08/20/22	R-01
Endrin	ND	0.0013	0.010	ug/l	1	08/20/22	
Endrin aldehyde	ND	0.0040	0.010	ug/l	1	08/20/22	
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l	1	08/20/22	
Heptachlor	ND	0.0017	0.010	ug/l	1	08/20/22	
Heptachlor epoxide	ND	0.0019	0.010	ug/l	1	08/20/22	
Hexachlorobenzene	ND	0.0040	0.050	ug/l	1	08/20/22	
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l	1	08/20/22	
Methoxychlor	ND	0.0030	0.010	ug/l	1	08/20/22	
PCBs, Total	ND		0.50	ug/l	1	08/20/22	
Propachlor	ND	0.020	0.050	ug/l	1	08/20/22	
Toxaphene	ND	0.50	0.50	ug/l	1	08/20/22	R-01
Trifluralin	ND	0.0020	0.010	ug/l	1	08/20/22	
Surrogate(s)							
4,4-Dibromobiphenyl	*99%*	*Conc: 0.100*	*70-130*			*08/20/22*	
Diquat and Paraquat by EPA 549.2							

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW09
2H04102-05 (Water)

Sampled: 08/03/22 12:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0719 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/09/22 06:52				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/25/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/25/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/11/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H0546 **Preparation:** _NONE (LC)			**Prepared:** 08/05/22 10:42				**Analyst:** pjs
Glyphosate	ND	1.8	5.0	ug/l	1	08/08/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/05/22 07:50				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/10/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H0522 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/05/22 07:50				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/10/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/10/22	
Monochloroacetic acid (mcaa)	ND	0.31	2.0	ug/l	1	08/10/22	
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/10/22	
Surrogate(s)							
2-Bromobutyric acid	*95%*	*Conc: 9.46*	*70-130*			*08/10/22*	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l	1	08/11/22	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0443 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:18				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/06/22	
Sucralose	**45**	20	20	ng/l	1	08/06/22	
Surrogate(s)							
17-b-Estradiol-d3	*103%*	*Conc: 207*	*20-500*			*08/06/22*	
Sucralose-d6	*25%*	*Conc: 245*	*20-500*			*08/06/22*	

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Sample Results

(Continued)

Sample: MCWP-MW09
2H04102-05 (Water)

Sampled: 08/03/22 12:40 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS (Continued)							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0444 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:26				**Analyst:** jna
Triclosan	ND	8.0	8.0	ng/l	1	08/05/22	
Surrogate(s)							
Triclosan-d3	*72%*	*Conc: 288*	*20-500*			*08/05/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0445 **Preparation:** _NONE (LC)			**Prepared:** 08/04/22 11:27				**Analyst:** jna
Caffeine	ND	4.0	4.0	ng/l	1	08/04/22	
DEET	ND	4.0	4.0	ng/l	1	08/04/22	
Surrogate(s)							
Caffeine-13C3	*99%*	*Conc: 197*	*20-500*			*08/04/22*	
DEET-d7	*105%*	*Conc: 21.1*	*20-500*			*08/04/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H1378 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/17/22 07:53				**Analyst:** rmr
Alachlor	ND	0.030	0.10	ug/l	1	08/18/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/18/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/18/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/18/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/18/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/18/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/18/22	
Captan	ND	0.32	1.0	ug/l	1	08/18/22	
Chlorpropham	ND	0.040	0.10	ug/l	1	08/18/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/18/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/18/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/18/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/18/22	
EPTC	ND	0.020	0.10	ug/l	1	08/18/22	
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/18/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/18/22	
Metribuzin	ND	0.030	0.10	ug/l	1	08/18/22	
Molinate	ND	0.030	0.10	ug/l	1	08/18/22	
Prometryn	ND	0.030	0.10	ug/l	1	08/18/22	
Simazine	ND	0.020	0.10	ug/l	1	08/18/22	
Terbacil	ND	0.090	2.0	ug/l	1	08/18/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/18/22	
Trithion	ND	0.020	0.10	ug/l	1	08/18/22	

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-466759

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:42

Sample Results (Continued)

Sample: MCWP-MW09 — Sampled: 08/03/22 12:40 by Client
2H04102-05 (Water) (Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2				**Instr:** GCMS16			
Batch ID: W2H1378 **Preparation:** EPA 525.2/SPE				**Prepared:** 08/17/22 07:53			**Analyst:** rmr
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*106%*	*Conc: 5.46*	*70-130*			*08/18/22*	
Perylene-d12	*103%*	*Conc: 5.31*	*50-120*			*08/18/22*	
Triphenyl phosphate	*108%*	*Conc: 5.58*	*70-130*			*08/18/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3				**Instr:** GCMS08			
Batch ID: W2H1133 **Preparation:** Method (P+T)				**Prepared:** 08/12/22 14:47			**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.400*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*83%*	*Conc: 0.330*	*70-130*			*08/13/22*	

Sample Results (Continued)

Sample: MCWP-MW09 — Sampled: 08/03/22 12:40 by Client
2H04102-05RE1 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC							
Method: EPA 218.6				**Instr:** LC13			
Batch ID: W2H1192 **Preparation:** _NONE (LC)				**Prepared:** 08/15/22 10:43			**Analyst:** JAN
Chromium 6+	ND	0.040	0.10	ug/l	5	08/15/22	M-05

Sample Results (Continued)

Sample: MCWP-MW09 Travel Blank — Sampled: 08/03/22 0:00 by Client
2H04102-06 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3				**Instr:** GCMS08			
Batch ID: W2H1133 **Preparation:** Method (P+T)				**Prepared:** 08/12/22 14:47			**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.400*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*82%*	*Conc: 0.329*	*70-130*			*08/13/22*	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1											
Blank (W2H0824-BLK1)					**Prepared: 08/10/22 Analyzed: 08/15/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	1.9	10	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.39	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1 (Continued)											
Blank (W2H0824-BLK1)					**Prepared: 08/10/22 Analyzed: 08/15/22**						
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.81	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*28.8*			*ug/l*	*40.0*		*72*	*25-120*			
2-Fluorobiphenyl	*14.1*			*ug/l*	*20.0*		*71*	*22-120*			
2-Fluorophenol	*21.0*			*ug/l*	*40.0*		*53*	*17-120*			
Nitrobenzene-d5	*16.1*			*ug/l*	*20.0*		*81*	*47-120*			
Phenol-d5	*14.1*			*ug/l*	*40.0*		*35*	*12-120*			
Terphenyl-d14	*19.4*			*ug/l*	*20.0*		*97*	*44-129*			
LCS (W2H0824-BS1)					**Prepared: 08/10/22 Analyzed: 08/15/22**						
1,2,4-Trichlorobenzene	15.7	0.49	1.0	ug/l	20.0		78	57-130			
1,2-Dichlorobenzene	16.4	0.46	1.0	ug/l	20.0		82	57-120			
1,3-Dichlorobenzene	14.9	0.42	1.0	ug/l	20.0		75	55-120			
1,4-Dichlorobenzene	14.8	0.48	1.0	ug/l	20.0		74	55-120			
2,4,6-Trichlorophenol	18.1	0.22	1.0	ug/l	20.0		91	52-129			
2,4-Dichlorophenol	17.7	0.26	1.0	ug/l	20.0		89	53-122			
2,4-Dimethylphenol	16.0	0.76	1.0	ug/l	20.0		80	42-120			
2,4-Dinitrophenol	24.5	1.9	10	ug/l	20.0		123	0.1-173			
2,4-Dinitrotoluene	19.9	0.46	1.0	ug/l	20.0		100	48-127			
2,6-Dinitrotoluene	16.4	0.27	1.0	ug/l	20.0		82	68-137			
2-Chloronaphthalene	16.4	0.45	1.0	ug/l	20.0		82	65-120			
2-Chlorophenol	15.4	0.28	1.0	ug/l	20.0		77	36-120			
2-Methyl-4,6-dinitrophenol	22.1	0.50	5.0	ug/l	20.0		111	53-130			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1 (Continued)											
LCS (W2H0824-BS1)					**Prepared: 08/10/22 Analyzed: 08/15/22**						
2-Nitrophenol	19.2	0.26	1.0	ug/l	20.0		96	45-167			
3,3'-Dichlorobenzidine	14.6	2.5	5.0	ug/l	20.0		73	8-213			
4-Bromophenyl phenyl ether	18.1	0.36	1.0	ug/l	20.0		91	65-120			
4-Chloro-3-methylphenol	18.1	0.23	1.0	ug/l	20.0		90	41-128			
4-Chlorophenyl phenyl ether	16.2	0.41	1.0	ug/l	20.0		81	38-145			
4-Nitrophenol	8.84	1.2	5.0	ug/l	20.0		44	13-129			
Acenaphthene	17.9	0.38	1.0	ug/l	20.0		90	60-132			
Acenaphthylene	17.4	0.35	1.0	ug/l	20.0		87	54-126			
Anthracene	19.6	0.41	1.0	ug/l	20.0		98	43-120			
Benzidine	3.30	3.2	10	ug/l	20.0		16	0.1-200			J
Benzo (a) anthracene	22.0	0.19	1.0	ug/l	20.0		110	42-133			
Benzo (a) pyrene	24.8	0.39	1.0	ug/l	20.0		124	32-148			
Benzo (b) fluoranthene	24.5	0.46	1.0	ug/l	20.0		123	42-140			AN-IP
Benzo (g,h,i) perylene	24.4	0.42	2.0	ug/l	20.0		122	0.1-195			
Benzo (k) fluoranthene	21.7	0.22	1.0	ug/l	20.0		108	25-146			AN-IP
Bis(2-chloroethoxy)methane	16.0	0.25	1.0	ug/l	20.0		80	49-165			
Bis(2-chloroethyl)ether	15.0	0.27	1.0	ug/l	20.0		75	43-126			
Bis(2-chloroisopropyl)ether	16.8	0.38	1.0	ug/l	20.0		84	63-139			
Bis(2-ethylhexyl)phthalate	25.6	2.3	5.0	ug/l	20.0		128	29-137			
Butyl benzyl phthalate	24.3	0.49	1.0	ug/l	20.0		121	0.1-140			
Chrysene	19.2	0.19	1.0	ug/l	20.0		96	44-140			
Dibenzo (a,h) anthracene	22.8	0.15	2.0	ug/l	20.0		114	0.1-200			
Diethyl phthalate	17.6	0.35	1.0	ug/l	20.0		88	0.1-120			
Dimethyl phthalate	17.0	0.18	1.0	ug/l	20.0		85	0.1-120			
Di-n-butyl phthalate	21.0	0.34	1.0	ug/l	20.0		105	8-120			
Di-n-octyl phthalate	23.0	0.46	1.0	ug/l	20.0		115	19-132			
Fluoranthene	29.9	0.35	1.0	ug/l	20.0		149	43-121			Q-08
Fluorene	18.2	0.35	1.0	ug/l	20.0		91	70-120			
Hexachlorobenzene	17.9	0.49	1.0	ug/l	20.0		90	8-142			
Hexachlorobutadiene	17.2	0.47	1.0	ug/l	20.0		86	38-120			
Hexachlorocyclopentadiene	11.8	0.31	5.0	ug/l	20.0		59	10-120			
Hexachloroethane	15.7	0.50	1.0	ug/l	20.0		79	55-120			
Indeno (1,2,3-cd) pyrene	22.5	0.25	2.0	ug/l	20.0		112	0.1-151			
Isophorone	14.2	0.21	1.0	ug/l	20.0		71	47-180			
Naphthalene	16.7	0.49	1.0	ug/l	20.0		84	36-120			
Nitrobenzene	16.6	0.36	1.0	ug/l	20.0		83	54-158			
N-Nitrosodimethylamine	10.6	0.50	1.0	ug/l	20.0		53	22-120			
N-Nitrosodi-n-propylamine	17.9	0.26	1.0	ug/l	20.0		90	14-198			
N-Nitrosodiphenylamine	14.8	0.19	1.0	ug/l	20.0		74	47-120			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1 (Continued)											
LCS (W2H0824-BS1)					**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
Pentachlorophenol	19.0	0.40	1.0	ug/l	20.0		95	41-120			
Phenanthrene	19.1	0.32	1.0	ug/l	20.0		96	65-120			
Phenol	6.59	0.81	1.0	ug/l	20.0		33	17-120			
Pyrene	22.1	0.25	1.0	ug/l	20.0		111	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*35.5*			*ug/l*	*40.0*		*89*	*25-120*			
2-Fluorobiphenyl	*16.5*			*ug/l*	*20.0*		*82*	*22-120*			
2-Fluorophenol	*21.5*			*ug/l*	*40.0*		*54*	*17-120*			
Nitrobenzene-d5	*17.7*			*ug/l*	*20.0*		*88*	*47-120*			
Phenol-d5	*14.5*			*ug/l*	*40.0*		*36*	*12-120*			
Terphenyl-d14	*20.8*			*ug/l*	*20.0*		*104*	*44-129*			
Matrix Spike (W2H0824-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
1,2,4-Trichlorobenzene	15.1	0.49	1.0	ug/l	20.2	ND	75	44-142			
1,2-Dichlorobenzene	15.4	0.46	1.0	ug/l	20.2	ND	76	51-120			
1,3-Dichlorobenzene	14.4	0.42	1.0	ug/l	20.2	ND	71	37-120			
1,4-Dichlorobenzene	14.1	0.48	1.0	ug/l	20.2	ND	70	39-120			
2,4,6-Trichlorophenol	17.7	0.22	1.0	ug/l	20.2	ND	88	37-144			
2,4-Dichlorophenol	17.0	0.26	1.0	ug/l	20.2	ND	84	39-135			
2,4-Dimethylphenol	15.3	0.76	1.0	ug/l	20.2	ND	76	32-120			
2,4-Dinitrophenol	25.8	1.9	10	ug/l	20.2	ND	128	0.1-191			
2,4-Dinitrotoluene	20.6	0.46	1.0	ug/l	20.2	ND	102	39-139			
2,6-Dinitrotoluene	17.0	0.27	1.0	ug/l	20.2	ND	84	50-158			
2-Chloronaphthalene	16.0	0.45	1.0	ug/l	20.2	ND	80	60-120			
2-Chlorophenol	15.0	0.28	1.0	ug/l	20.2	ND	75	23-134			
2-Methyl-4,6-dinitrophenol	23.2	0.50	5.0	ug/l	20.2	ND	115	0.1-181			
2-Nitrophenol	18.7	0.26	1.0	ug/l	20.2	ND	93	29-182			
3,3'-Dichlorobenzidine	11.6	2.5	5.0	ug/l	20.2	ND	57	0.1-262			
4-Bromophenyl phenyl ether	18.1	0.36	1.0	ug/l	20.2	ND	90	53-127			
4-Chloro-3-methylphenol	18.2	0.23	1.0	ug/l	20.2	ND	90	22-147			
4-Chlorophenyl phenyl ether	16.7	0.41	1.0	ug/l	20.2	ND	83	25-158			
4-Nitrophenol	9.23	1.2	5.0	ug/l	20.2	ND	46	0.1-132			
Acenaphthene	18.2	0.38	1.0	ug/l	20.2	ND	90	47-145			
Acenaphthylene	15.8	0.35	1.0	ug/l	20.2	ND	78	33-145			
Anthracene	19.3	0.41	1.0	ug/l	20.2	ND	96	27-133			
Benzidine	0.477	0.0	10	ug/l	20.2	ND	2	0.1-200			J
Benzo (a) anthracene	21.8	0.19	1.0	ug/l	20.2	ND	108	33-143			
Benzo (a) pyrene	23.3	0.39	1.0	ug/l	20.2	ND	115	17-163			
Benzo (b) fluoranthene	24.3	0.46	1.0	ug/l	20.2	ND	121	24-159			AN-IP
Benzo (g,h,i) perylene	25.1	0.42	2.0	ug/l	20.2	ND	125	0.1-219			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1 (Continued)											
Matrix Spike (W2H0824-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
Benzo (k) fluoranthene	20.9	0.22	1.0	ug/l	20.2	ND	104	11-162			AN-IP
Bis(2-chloroethoxy)methane	15.7	0.25	1.0	ug/l	20.2	ND	78	33-184			
Bis(2-chloroethyl)ether	14.7	0.27	1.0	ug/l	20.2	ND	73	12-158			
Bis(2-chloroisopropyl)ether	16.2	0.38	1.0	ug/l	20.2	ND	80	36-166			
Bis(2-ethylhexyl)phthalate	55.6	2.3	5.0	ug/l	20.2	ND	276	8-158			MS-01
Butyl benzyl phthalate	24.7	0.49	1.0	ug/l	20.2	ND	123	0.1-152			
Chrysene	18.9	0.19	1.0	ug/l	20.2	ND	94	17-168			
Dibenzo (a,h) anthracene	23.4	0.15	2.0	ug/l	20.2	ND	116	0.1-227			
Diethyl phthalate	18.1	0.35	1.0	ug/l	20.2	ND	90	0.1-120			
Dimethyl phthalate	17.1	0.18	1.0	ug/l	20.2	ND	85	0.1-120			
Di-n-butyl phthalate	21.9	0.34	1.0	ug/l	20.2	ND	109	1-120			
Di-n-octyl phthalate	23.2	0.46	1.0	ug/l	20.2	ND	115	4-146			
Fluoranthene	30.1	0.35	1.0	ug/l	20.2	ND	149	26-137			Q-08
Fluorene	18.4	0.35	1.0	ug/l	20.2	ND	91	59-121			
Hexachlorobenzene	18.1	0.49	1.0	ug/l	20.2	ND	90	0.1-152			
Hexachlorobutadiene	16.4	0.47	1.0	ug/l	20.2	ND	81	24-120			
Hexachlorocyclopentadiene	12.3	0.31	5.0	ug/l	20.2	ND	61	10-120			
Hexachloroethane	14.8	0.50	1.0	ug/l	20.2	ND	73	40-120			
Indeno (1,2,3-cd) pyrene	23.1	0.25	2.0	ug/l	20.2	ND	115	0.1-171			
Isophorone	14.2	0.21	1.0	ug/l	20.2	ND	70	21-196			
Naphthalene	16.0	0.49	1.0	ug/l	20.2	ND	79	21-133			
Nitrobenzene	16.3	0.36	1.0	ug/l	20.2	ND	81	35-180			
N-Nitrosodimethylamine	10.4	0.50	1.0	ug/l	20.2	ND	51	18-120			
N-Nitrosodi-n-propylamine	17.2	0.26	1.0	ug/l	20.2	ND	85	0.1-230			
N-Nitrosodiphenylamine	10.7	0.19	1.0	ug/l	20.2	ND	53	49-120			
Pentachlorophenol	20.7	0.40	1.0	ug/l	20.2	ND	103	0.1-133			
Phenanthrene	19.7	0.32	1.0	ug/l	20.2	ND	98	54-120			
Phenol	6.42	0.81	1.0	ug/l	20.2	ND	32	5-120			
Pyrene	21.7	0.25	1.0	ug/l	20.2	ND	108	52-120			
Surrogate(s)											
2,4,6-Tribromophenol	*35.8*			*ug/l*	*40.3*		*89*	*25-120*			
2-Fluorobiphenyl	*16.3*			*ug/l*	*20.2*		*81*	*22-120*			
2-Fluorophenol	*20.5*			*ug/l*	*40.3*		*51*	*17-120*			
Nitrobenzene-d5	*17.5*			*ug/l*	*20.2*		*87*	*47-120*			
Phenol-d5	*13.5*			*ug/l*	*40.3*		*33*	*12-120*			
Terphenyl-d14	*21.2*			*ug/l*	*20.2*		*105*	*44-129*			
Matrix Spike Dup (W2H0824-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
1,2,4-Trichlorobenzene	7.43	0.49	1.0	ug/l	20.0	ND	37	44-142	68	30	MS-01, R-02

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1 (Continued)											
Matrix Spike Dup (W2H0824-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
1,2-Dichlorobenzene	5.61	0.46	1.0	ug/l	20.0	ND	28	51-120	93	30	MS-01, R-02
1,3-Dichlorobenzene	5.19	0.42	1.0	ug/l	20.0	ND	26	37-120	94	30	MS-01, R-02
1,4-Dichlorobenzene	4.95	0.48	1.0	ug/l	20.0	ND	25	39-120	96	30	MS-01, R-02
2,4,6-Trichlorophenol	10.8	0.22	1.0	ug/l	20.0	ND	54	37-144	49	30	R-02
2,4-Dichlorophenol	8.75	0.26	1.0	ug/l	20.0	ND	44	39-135	64	30	R-02
2,4-Dimethylphenol	8.01	0.76	1.0	ug/l	20.0	ND	40	32-120	62	30	R-02
2,4-Dinitrophenol	20.5	1.9	10	ug/l	20.0	ND	102	0.1-191	23	30	
2,4-Dinitrotoluene	15.5	0.46	1.0	ug/l	20.0	ND	77	39-139	28	30	
2,6-Dinitrotoluene	12.5	0.27	1.0	ug/l	20.0	ND	63	50-158	30	30	
2-Chloronaphthalene	8.68	0.45	1.0	ug/l	20.0	ND	43	60-120	60	30	MS-01, R-02
2-Chlorophenol	6.43	0.28	1.0	ug/l	20.0	ND	32	23-134	80	30	R-02
2-Methyl-4,6-dinitrophenol	18.6	0.50	5.0	ug/l	20.0	ND	93	0.1-181	22	30	
2-Nitrophenol	8.81	0.26	1.0	ug/l	20.0	ND	44	29-182	72	30	R-02
3,3'-Dichlorobenzidine	10.7	2.5	5.0	ug/l	20.0	ND	54	0.1-262	8	30	
4-Bromophenyl phenyl ether	13.6	0.36	1.0	ug/l	20.0	ND	68	53-127	28	30	
4-Chloro-3-methylphenol	11.2	0.23	1.0	ug/l	20.0	ND	56	22-147	48	30	R-02
4-Chlorophenyl phenyl ether	11.6	0.41	1.0	ug/l	20.0	ND	58	25-158	36	30	R-02
4-Nitrophenol	7.49	1.2	5.0	ug/l	20.0	ND	37	0.1-132	21	30	
Acenaphthene	11.4	0.38	1.0	ug/l	20.0	ND	57	47-145	46	30	R-02
Acenaphthylene	9.09	0.35	1.0	ug/l	20.0	ND	45	33-145	54	30	R-02
Anthracene	13.2	0.41	1.0	ug/l	20.0	ND	66	27-133	38	30	R-02
Benzidine	0.474	0.0	10	ug/l	20.0	ND	2	0.1-200	200	30	J
Benzo (a) anthracene	18.9	0.19	1.0	ug/l	20.0	ND	94	33-143	14	30	
Benzo (a) pyrene	21.7	0.39	1.0	ug/l	20.0	ND	109	17-163	7	30	
Benzo (b) fluoranthene	22.3	0.46	1.0	ug/l	20.0	ND	111	24-159	9	30	AN-IP
Benzo (g,h,i) perylene	21.4	0.42	2.0	ug/l	20.0	ND	107	0.1-219	16	30	
Benzo (k) fluoranthene	19.4	0.22	1.0	ug/l	20.0	ND	97	11-162	7	30	AN-IP
Bis(2-chloroethoxy)methane	8.29	0.25	1.0	ug/l	20.0	ND	41	33-184	62	30	R-02
Bis(2-chloroethyl)ether	6.21	0.27	1.0	ug/l	20.0	ND	31	12-158	81	30	R-02
Bis(2-chloroisopropyl)ether	7.65	0.38	1.0	ug/l	20.0	ND	38	36-166	72	30	R-02
Bis(2-ethylhexyl)phthalate	24.6	2.3	5.0	ug/l	20.0	ND	123	8-158	77	30	R-02
Butyl benzyl phthalate	21.3	0.49	1.0	ug/l	20.0	ND	106	0.1-152	15	30	
Chrysene	17.3	0.19	1.0	ug/l	20.0	ND	86	17-168	9	30	
Dibenzo (a,h) anthracene	20.1	0.15	2.0	ug/l	20.0	ND	100	0.1-227	15	30	
Diethyl phthalate	13.9	0.35	1.0	ug/l	20.0	ND	69	0.1-120	26	30	
Dimethyl phthalate	11.8	0.18	1.0	ug/l	20.0	ND	59	0.1-120	37	30	R-02
Di-n-butyl phthalate	17.4	0.34	1.0	ug/l	20.0	ND	87	1-120	23	30	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0824 - EPA 625.1 (Continued)											
Matrix Spike Dup (W2H0824-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
Di-n-octyl phthalate	21.2	0.46	1.0	ug/l	20.0	ND	106	4-146	9	30	
Fluoranthene	23.5	0.35	1.0	ug/l	20.0	ND	117	26-137	25	30	
Fluorene	12.9	0.35	1.0	ug/l	20.0	ND	64	59-121	36	30	R-02
Hexachlorobenzene	14.1	0.49	1.0	ug/l	20.0	ND	71	0.1-152	25	30	
Hexachlorobutadiene	7.62	0.47	1.0	ug/l	20.0	ND	38	24-120	73	30	R-02
Hexachlorocyclopentadiene	5.37	0.31	5.0	ug/l	20.0	ND	27	10-120	78	30	R-02
Hexachloroethane	5.53	0.50	1.0	ug/l	20.0	ND	28	40-120	91	30	MS-01, R-02
Indeno (1,2,3-cd) pyrene	19.7	0.25	2.0	ug/l	20.0	ND	98	0.1-171	16	30	
Isophorone	7.69	0.21	1.0	ug/l	20.0	ND	38	21-196	59	30	R-02
Naphthalene	7.49	0.49	1.0	ug/l	20.0	ND	37	21-133	73	30	R-02
Nitrobenzene	7.89	0.36	1.0	ug/l	20.0	ND	39	35-180	69	30	R-02
N-Nitrosodimethylamine	3.20	0.50	1.0	ug/l	20.0	ND	16	18-120	106	30	MS-01, R-02
N-Nitrosodi-n-propylamine	9.09	0.26	1.0	ug/l	20.0	ND	45	0.1-230	62	30	R-02
N-Nitrosodiphenylamine	6.83	0.19	1.0	ug/l	20.0	ND	34	49-120	44	30	MS-01, R-02
Pentachlorophenol	15.2	0.40	1.0	ug/l	20.0	ND	76	0.1-133	30	30	
Phenanthrene	14.7	0.32	1.0	ug/l	20.0	ND	73	54-120	29	30	
Phenol	2.89	0.81	1.0	ug/l	20.0	ND	14	5-120	76	30	R-02
Pyrene	18.1	0.25	1.0	ug/l	20.0	ND	90	52-120	18	30	
Surrogate(s)											
2,4,6-Tribromophenol	*27.4*			*ug/l*	*40.0*		*68*	*25-120*			
2-Fluorobiphenyl	*8.70*			*ug/l*	*20.0*		*43*	*22-120*			
2-Fluorophenol	*6.67*			*ug/l*	*40.0*		*17*	*17-120*			
Nitrobenzene-d5	*8.27*			*ug/l*	*20.0*		*41*	*47-120*			*S-GC*
Phenol-d5	*6.15*			*ug/l*	*40.0*		*15*	*12-120*			
Terphenyl-d14	*18.6*			*ug/l*	*20.0*		*93*	*44-129*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1193 - EPA 300.1											
Blank (W2H1193-BLK1)					**Prepared & Analyzed: 08/15/22**						
Bromate	ND	1.4	5.0	ug/l							
Chlorite	ND	2.2	10	ug/l							
Surrogate(s)											
Dichloroacetate	*529*			*ug/l*	*500*		*106*	*90-115*			
LCS (W2H1193-BS1)					**Prepared & Analyzed: 08/15/22**						
Bromate	98.6	1.4	5.0	ug/l	100		99	85-115			
Chlorite	99.6	2.2	10	ug/l	100		100	85-115			
Surrogate(s)											
Dichloroacetate	*521*			*ug/l*	*500*		*104*	*90-115*			
Matrix Spike (W2H1193-MS1)	**Source: 2H03055-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	103	1.4	5.0	ug/l	100	ND	103	64-133			
Chlorite	96.7	2.2	10	ug/l	100	ND	97	78-129			
Surrogate(s)											
Dichloroacetate	*545*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W2H1193-MS2)	**Source: 2H05020-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	97.8	1.4	5.0	ug/l	100	ND	98	64-133			
Chlorite	98.0	2.2	10	ug/l	100	ND	98	78-129			
Surrogate(s)											
Dichloroacetate	*521*			*ug/l*	*500*		*104*	*90-115*			
Matrix Spike Dup (W2H1193-MSD1)	**Source: 2H03055-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	106	1.4	5.0	ug/l	100	ND	106	64-133	3	20	
Chlorite	97.8	2.2	10	ug/l	100	ND	98	78-129	1	20	
Surrogate(s)											
Dichloroacetate	*541*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W2H1193-MSD2)	**Source: 2H05020-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	101	1.4	5.0	ug/l	100	ND	101	64-133	3	20	
Chlorite	99.4	2.2	10	ug/l	100	ND	99	78-129	1	20	
Surrogate(s)											
Dichloroacetate	*534*			*ug/l*	*500*		*107*	*90-115*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1673 - EPA 531.2											
Blank (W2H1673-BLK1)					**Prepared: 08/22/22 Analyzed: 08/24/22**						
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l							
Aldicarb	ND	0.58	2.0	ug/l							
Aldicarb sulfone	ND	0.73	2.0	ug/l							
Aldicarb sulfoxide	ND	1.0	2.0	ug/l							
Carbaryl	ND	1.0	2.0	ug/l							
Carbofuran	ND	1.0	2.0	ug/l							
Methiocarb	ND	1.0	2.0	ug/l							
Methomyl	ND	1.3	2.0	ug/l							
Oxamyl	ND	1.1	2.0	ug/l							
Propoxur (Baygon)	ND	1.4	2.0	ug/l							
Surrogate(s)											
BDMC	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
LCS (W2H1673-BS1)					**Prepared: 08/22/22 Analyzed: 08/24/22**						
3-Hydroxycarbofuran	14.8	0.82	2.0	ug/l	10.0		148	70-130			Q-08
Aldicarb	15.1	0.58	2.0	ug/l	10.0		151	70-130			Q-08
Aldicarb sulfone	15.9	0.73	2.0	ug/l	10.0		159	70-130			Q-08
Aldicarb sulfoxide	17.6	1.0	2.0	ug/l	10.0		176	70-130			Q-08
Carbaryl	13.3	1.0	2.0	ug/l	10.0		133	70-130			Q-08
Carbofuran	15.2	1.0	2.0	ug/l	10.0		152	70-130			Q-08
Methiocarb	14.0	1.0	2.0	ug/l	10.0		140	70-130			Q-08
Methomyl	17.4	1.3	2.0	ug/l	10.0		174	70-130			Q-08
Oxamyl	17.0	1.1	2.0	ug/l	10.0		170	70-130			Q-08
Propoxur (Baygon)	16.8	1.4	2.0	ug/l	10.0		168	70-130			Q-08
Surrogate(s)											
BDMC	*10.9*			*ug/l*	*10.0*		*109*	*70-130*			
Matrix Spike (W2H1673-MS1)	**Source: 1G28007-01**				**Prepared: 08/22/22 Analyzed: 08/24/22**						
3-Hydroxycarbofuran	11.1	0.82	2.0	ug/l	10.0	ND	111	70-130			
Aldicarb	12.1	0.58	2.0	ug/l	10.0	ND	121	70-130			
Aldicarb sulfone	14.2	0.73	2.0	ug/l	10.0	ND	142	70-130			Q-08
Aldicarb sulfoxide	14.0	1.0	2.0	ug/l	10.0	ND	140	70-130			Q-08
Carbaryl	10.8	1.0	2.0	ug/l	10.0	ND	108	70-130			
Carbofuran	19.6	1.0	2.0	ug/l	10.0	ND	196	70-130			Q-08
Methiocarb	11.4	1.0	2.0	ug/l	10.0	ND	114	70-130			
Methomyl	13.7	1.3	2.0	ug/l	10.0	ND	137	70-130			Q-08
Oxamyl	13.5	1.1	2.0	ug/l	10.0	ND	135	70-130			Q-08
Propoxur (Baygon)	12.3	1.4	2.0	ug/l	10.0	ND	123	70-130			
Surrogate(s)											
BDMC	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike Dup (W2H1673-MSD1)	**Source: 1G28007-01**				**Prepared: 08/22/22 Analyzed: 08/24/22**						
3-Hydroxycarbofuran	11.0	0.82	2.0	ug/l	10.0	ND	110	70-130	2	30	

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1673 - EPA 531.2 (Continued)											
Matrix Spike Dup (W2H1673-MSD1)	**Source: 1G28007-01**				**Prepared: 08/22/22**	**Analyzed: 08/24/22**					
Aldicarb	12.7	0.58	2.0	ug/l	10.0	ND	127	70-130	5	30	
Aldicarb sulfone	13.3	0.73	2.0	ug/l	10.0	ND	133	70-130	6	30	Q-08
Aldicarb sulfoxide	14.5	1.0	2.0	ug/l	10.0	ND	145	70-130	3	30	Q-08
Carbaryl	10.5	1.0	2.0	ug/l	10.0	ND	105	70-130	3	30	
Carbofuran	19.0	1.0	2.0	ug/l	10.0	ND	190	70-130	3	30	Q-08
Methiocarb	11.3	1.0	2.0	ug/l	10.0	ND	113	70-130	0.8	30	
Methomyl	14.3	1.3	2.0	ug/l	10.0	ND	143	70-130	4	30	Q-08
Oxamyl	13.7	1.1	2.0	ug/l	10.0	ND	137	70-130	1	30	Q-08
Propoxur (Baygon)	12.5	1.4	2.0	ug/l	10.0	ND	125	70-130	1	30	
Surrogate(s)											
BDMC	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1051 - EPA 515.4											
Blank (W2H1051-BLK1)					**Prepared: 08/12/22 Analyzed: 08/16/22**						
2,4,5-T	ND	0.030	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l							
2,4-D	ND	0.14	0.40	ug/l							
2,4-DB	ND	0.19	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l							
Acifluorfen	ND	0.030	0.40	ug/l							
Bentazon	ND	0.23	2.0	ug/l							
Dalapon	ND	0.11	0.40	ug/l							
DCPA	ND	0.029	0.10	ug/l							
Dicamba	ND	0.049	0.60	ug/l							
Dichloroprop	ND	0.12	0.30	ug/l							
Dinoseb	ND	0.033	0.40	ug/l							
Pentachlorophenol	ND	0.046	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.22*			*ug/l*	*10.0*		*92*	*70-130*			
LCS (W2H1051-BS1)					**Prepared: 08/12/22 Analyzed: 08/16/22**						
2,4,5-T	4.18	0.030	0.20	ug/l	4.00		105	70-130			
2,4,5-TP (Silvex)	4.16	0.026	0.20	ug/l	4.00		104	70-130			
2,4-D	8.32	0.14	0.40	ug/l	8.00		104	70-130			
2,4-DB	17.0	0.19	2.0	ug/l	16.0		106	70-130			
3,5-Dichlorobenzoic acid	8.26	0.12	1.0	ug/l	8.00		103	70-130			
Acifluorfen	4.19	0.030	0.40	ug/l	4.00		105	70-130			
Bentazon	15.9	0.23	2.0	ug/l	16.0		99	70-130			
Dalapon	7.98	0.11	0.40	ug/l	8.00		100	70-130			
DCPA	4.07	0.029	0.10	ug/l	4.00		102	70-130			
Dicamba	8.32	0.049	0.60	ug/l	8.00		104	70-130			
Dichloroprop	8.41	0.12	0.30	ug/l	8.00		105	70-130			
Dinoseb	4.18	0.033	0.40	ug/l	4.00		105	70-130			
Pentachlorophenol	4.07	0.046	0.20	ug/l	4.00		102	70-130			
Picloram	4.02	0.050	0.60	ug/l	4.00		101	70-130			
Surrogate(s)											
2,4-DCAA	*9.98*			*ug/l*	*10.0*		*100*	*70-130*			
Matrix Spike (W2H1051-MS1)	**Source: 2H04048-01**				**Prepared: 08/12/22 Analyzed: 08/16/22**						
2,4,5-T	4.21	0.030	0.20	ug/l	4.00	ND	105	70-130			
2,4,5-TP (Silvex)	4.13	0.026	0.20	ug/l	4.00	ND	103	70-130			
2,4-D	8.32	0.14	0.40	ug/l	8.00	ND	104	70-130			
2,4-DB	16.9	0.19	2.0	ug/l	16.0	ND	106	70-130			
3,5-Dichlorobenzoic acid	8.33	0.12	1.0	ug/l	8.00	ND	104	70-130			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1051 - EPA 515.4 (Continued)											
Matrix Spike (W2H1051-MS1)	**Source: 2H04048-01**				**Prepared: 08/12/22**	**Analyzed: 08/16/22**					
Acifluorfen	4.28	0.030	0.40	ug/l	4.00	ND	107	70-130			
Bentazon	16.1	0.23	2.0	ug/l	16.0	ND	100	70-130			
Dalapon	7.95	0.11	0.40	ug/l	8.00	ND	99	70-130			
DCPA	4.24	0.029	0.10	ug/l	4.00	ND	106	70-130			
Dicamba	8.34	0.049	0.60	ug/l	8.00	ND	104	70-130			
Dichloroprop	8.49	0.12	0.30	ug/l	8.00	ND	106	70-130			
Dinoseb	4.16	0.033	0.40	ug/l	4.00	ND	104	70-130			
Pentachlorophenol	4.10	0.046	0.20	ug/l	4.00	ND	102	70-130			
Picloram	4.07	0.050	0.60	ug/l	4.00	ND	102	70-130			
Surrogate(s)											
2,4-DCAA	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W2H1051-MSD1)	**Source: 2H04048-01**				**Prepared: 08/12/22**	**Analyzed: 08/16/22**					
2,4,5-T	4.18	0.030	0.20	ug/l	4.00	ND	105	70-130	0.7	30	
2,4,5-TP (Silvex)	4.05	0.026	0.20	ug/l	4.00	ND	101	70-130	2	30	
2,4-D	8.32	0.14	0.40	ug/l	8.00	ND	104	70-130	0.03	30	
2,4-DB	16.6	0.19	2.0	ug/l	16.0	ND	104	70-130	2	30	
3,5-Dichlorobenzoic acid	8.41	0.12	1.0	ug/l	8.00	ND	105	70-130	0.9	30	
Acifluorfen	4.28	0.030	0.40	ug/l	4.00	ND	107	70-130	0.06	30	
Bentazon	15.9	0.23	2.0	ug/l	16.0	ND	99	70-130	1	30	
Dalapon	8.24	0.11	0.40	ug/l	8.00	ND	103	70-130	4	30	
DCPA	4.17	0.029	0.10	ug/l	4.00	ND	104	70-130	2	30	
Dicamba	8.26	0.049	0.60	ug/l	8.00	ND	103	70-130	0.9	30	
Dichloroprop	8.43	0.12	0.30	ug/l	8.00	ND	105	70-130	0.7	30	
Dinoseb	4.07	0.033	0.40	ug/l	4.00	ND	102	70-130	2	30	
Pentachlorophenol	4.04	0.046	0.20	ug/l	4.00	ND	101	70-130	1	30	
Picloram	4.11	0.050	0.60	ug/l	4.00	ND	103	70-130	1	30	
Surrogate(s)											
2,4-DCAA	*9.87*			*ug/l*	*10.0*		*99*	*70-130*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1											
Blank (W2H1280-BLK1)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
4,4´-DDD	ND	0.0030	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0030	0.010	ug/l							
Aldrin	ND	0.0040	0.010	ug/l							
alpha-BHC	ND	0.0019	0.010	ug/l							
Aroclor 1016	ND	0.016	0.10	ug/l							
Aroclor 1221	ND	0.044	0.10	ug/l							
Aroclor 1232	ND	0.010	0.10	ug/l							
Aroclor 1242	ND	0.074	0.10	ug/l							
Aroclor 1248	ND	0.094	0.10	ug/l							
Aroclor 1254	ND	0.087	0.10	ug/l							
Aroclor 1260	ND	0.038	0.10	ug/l							
beta-BHC	ND	0.0024	0.010	ug/l							
Chlordane (tech)	ND	0.067	0.10	ug/l							
Chlorothalonil	ND	0.0015	0.050	ug/l							
delta-BHC	ND	0.0030	0.010	ug/l							
Dieldrin	ND	0.0030	0.010	ug/l							
Endosulfan I	ND	0.0030	0.010	ug/l							
Endosulfan II	ND	0.0016	0.010	ug/l							
Endosulfan sulfate	ND	0.0030	0.010	ug/l							
Endrin	ND	0.0013	0.010	ug/l							
Endrin aldehyde	ND	0.0040	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l							
Heptachlor	ND	0.0017	0.010	ug/l							
Heptachlor epoxide	ND	0.0019	0.010	ug/l							
Hexachlorobenzene	ND	0.0040	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l							
Methoxychlor	ND	0.0030	0.010	ug/l							
PCBs, Total	ND		0.50	ug/l							
Propachlor	ND	0.020	0.050	ug/l							
Toxaphene	ND	0.37	0.50	ug/l							
Trifluralin	ND	0.0020	0.010	ug/l							
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0871*			*ug/l*	*0.100*		*87*	*70-130*			
Blank (W2H1280-BLK2)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
4,4´-DDD	ND	0.0030	0.010	ug/l							QC-2
4,4´-DDE	ND	0.0018	0.010	ug/l							QC-2
4,4´-DDT	ND	0.0030	0.010	ug/l							QC-2
Aldrin	ND	0.0040	0.010	ug/l							QC-2

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1 (Continued)											
Blank (W2H1280-BLK2)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
alpha-BHC	ND	0.0019	0.010	ug/l							QC-2
Aroclor 1016	ND	0.016	0.10	ug/l							QC-2
Aroclor 1221	ND	0.044	0.10	ug/l							QC-2
Aroclor 1232	ND	0.010	0.10	ug/l							QC-2
Aroclor 1242	ND	0.074	0.10	ug/l							QC-2
Aroclor 1248	ND	0.094	0.10	ug/l							QC-2
Aroclor 1254	ND	0.087	0.10	ug/l							QC-2
Aroclor 1260	ND	0.038	0.10	ug/l							QC-2
beta-BHC	ND	0.0024	0.010	ug/l							QC-2
Chlordane (tech)	ND	0.067	0.10	ug/l							QC-2
Chlorothalonil	ND	0.0015	0.050	ug/l							QC-2
delta-BHC	ND	0.0030	0.010	ug/l							QC-2
Dieldrin	ND	0.0030	0.010	ug/l							QC-2
Endosulfan I	ND	0.0030	0.010	ug/l							QC-2
Endosulfan II	ND	0.0016	0.010	ug/l							QC-2
Endosulfan sulfate	ND	0.0030	0.010	ug/l							QC-2
Endrin	ND	0.0013	0.010	ug/l							QC-2
Endrin aldehyde	ND	0.0040	0.010	ug/l							QC-2
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l							QC-2
Heptachlor	ND	0.0017	0.010	ug/l							QC-2
Heptachlor epoxide	ND	0.0019	0.010	ug/l							QC-2
Hexachlorobenzene	ND	0.0040	0.050	ug/l							QC-2
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l							QC-2
Methoxychlor	ND	0.0030	0.010	ug/l							QC-2
PCBs, Total	ND		0.50	ug/l							QC-2
Propachlor	ND	0.020	0.050	ug/l							QC-2
Toxaphene	ND	0.37	0.50	ug/l							QC-2
Trifluralin	ND	0.0020	0.010	ug/l							QC-2
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0875*			*ug/l*	*0.100*		*87*	*70-130*			*QC-2*
LCS (W2H1280-BS1)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
4,4´-DDD	0.0961	0.0030	0.010	ug/l	0.100		96	70-130			
4,4´-DDE	0.0799	0.0018	0.010	ug/l	0.100		80	70-130			
4,4´-DDT	0.0902	0.0030	0.010	ug/l	0.100		90	70-130			
Aldrin	0.0717	0.0040	0.010	ug/l	0.100		72	50-130			
alpha-BHC	0.100	0.0019	0.010	ug/l	0.100		100	70-130			
beta-BHC	0.0931	0.0024	0.010	ug/l	0.100		93	70-130			
delta-BHC	0.0979	0.0030	0.010	ug/l	0.100		98	70-130			
Dieldrin	0.0859	0.0030	0.010	ug/l	0.100		86	70-130			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1 (Continued)											
LCS (W2H1280-BS1)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
Endosulfan I	0.0871	0.0030	0.010	ug/l	0.100		87	70-130			
Endosulfan II	0.0886	0.0016	0.010	ug/l	0.100		89	70-130			
Endosulfan sulfate	0.103	0.0030	0.010	ug/l	0.100		103	70-130			
Endrin	0.0924	0.0013	0.010	ug/l	0.100		92	70-130			
Endrin aldehyde	0.0853	0.0040	0.010	ug/l	0.100		85	70-130			
gamma-BHC (Lindane)	0.0979	0.0030	0.010	ug/l	0.100		98	70-130			
Heptachlor	0.0885	0.0017	0.010	ug/l	0.100		89	70-130			
Heptachlor epoxide	0.0952	0.0019	0.010	ug/l	0.100		95	70-130			
Methoxychlor	0.103	0.0030	0.010	ug/l	0.100		103	70-130			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0935*			*ug/l*	*0.100*		*93*	*70-130*			
LCS (W2H1280-BS2)					**Prepared: 08/16/22 Analyzed: 08/19/22**						
Toxaphene	1.18	0.37	0.50	ug/l	1.00		118	70-130			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0829*			*ug/l*	*0.100*		*83*	*70-130*			
LCS (W2H1280-BS3)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
4,4´-DDD	0.0986	0.0030	0.010	ug/l	0.100		99	70-130			QC-2
4,4´-DDE	0.0819	0.0018	0.010	ug/l	0.100		82	70-130			QC-2
4,4´-DDT	0.0955	0.0030	0.010	ug/l	0.100		95	70-130			QC-2
Aldrin	0.0721	0.0040	0.010	ug/l	0.100		72	50-130			QC-2
alpha-BHC	0.0999	0.0019	0.010	ug/l	0.100		100	70-130			QC-2
beta-BHC	0.0930	0.0024	0.010	ug/l	0.100		93	70-130			QC-2
delta-BHC	0.0994	0.0030	0.010	ug/l	0.100		99	70-130			QC-2
Dieldrin	0.0860	0.0030	0.010	ug/l	0.100		86	70-130			QC-2
Endosulfan I	0.0869	0.0030	0.010	ug/l	0.100		87	70-130			QC-2
Endosulfan II	0.0896	0.0016	0.010	ug/l	0.100		90	70-130			QC-2
Endosulfan sulfate	0.108	0.0030	0.010	ug/l	0.100		108	70-130			QC-2
Endrin	0.0968	0.0013	0.010	ug/l	0.100		97	70-130			QC-2
Endrin aldehyde	0.0862	0.0040	0.010	ug/l	0.100		86	70-130			QC-2
gamma-BHC (Lindane)	0.0979	0.0030	0.010	ug/l	0.100		98	70-130			QC-2
Heptachlor	0.0891	0.0017	0.010	ug/l	0.100		89	70-130			QC-2
Heptachlor epoxide	0.0940	0.0019	0.010	ug/l	0.100		94	70-130			QC-2
Methoxychlor	0.111	0.0030	0.010	ug/l	0.100		111	70-130			QC-2
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0927*			*ug/l*	*0.100*		*93*	*70-130*			*QC-2*
LCS (W2H1280-BS4)					**Prepared: 08/16/22 Analyzed: 08/23/22**						
Toxaphene	1.22	0.37	0.50	ug/l	1.00		122	70-130			QC-2
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0830*			*ug/l*	*0.100*		*83*	*70-130*			*QC-2*
Matrix Spike (W2H1280-MS1)	**Source: 1G28007-01**				**Prepared: 08/16/22 Analyzed: 08/20/22**						

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1280 - EPA 508.1 (Continued)											
Matrix Spike (W2H1280-MS1)	**Source: 1G28007-01**				**Prepared: 08/16/22**	**Analyzed: 08/20/22**					
4,4´-DDD	0.108	0.0030	0.010	ug/l	0.101	ND	106	65-135			
4,4´-DDE	0.0918	0.0018	0.010	ug/l	0.101	ND	91	65-135			
4,4´-DDT	0.100	0.0030	0.010	ug/l	0.101	ND	99	65-135			
Aldrin	0.0835	0.0040	0.010	ug/l	0.101	ND	82	65-135			
alpha-BHC	0.103	0.0019	0.010	ug/l	0.101	ND	101	65-135			
beta-BHC	0.0990	0.0024	0.010	ug/l	0.101	ND	98	65-135			
delta-BHC	0.105	0.0030	0.010	ug/l	0.101	ND	103	65-135			
Dieldrin	0.0912	0.0030	0.010	ug/l	0.101	ND	90	65-135			
Endosulfan I	0.0920	0.0030	0.010	ug/l	0.101	ND	91	65-135			
Endosulfan II	0.0942	0.0016	0.010	ug/l	0.101	ND	93	65-135			
Endosulfan sulfate	0.118	0.0030	0.010	ug/l	0.101	ND	117	65-135			
Endrin	0.101	0.0013	0.010	ug/l	0.101	ND	100	65-135			
Endrin aldehyde	0.0917	0.0040	0.010	ug/l	0.101	ND	90	65-135			
gamma-BHC (Lindane)	0.102	0.0030	0.010	ug/l	0.101	ND	101	65-135			
Heptachlor	0.0957	0.0017	0.010	ug/l	0.101	ND	94	65-135			
Heptachlor epoxide	0.0997	0.0019	0.010	ug/l	0.101	ND	98	65-135			
Methoxychlor	0.121	0.0030	0.010	ug/l	0.101	ND	120	65-135			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.100*			*ug/l*	*0.101*		*99*	*70-130*			
Matrix Spike Dup (W2H1280-MSD1)	**Source: 1G28007-01**				**Prepared: 08/16/22**	**Analyzed: 08/20/22**					
4,4´-DDD	0.0824	0.0030	0.010	ug/l	0.101	ND	82	65-135	27	30	
4,4´-DDE	0.0646	0.0018	0.010	ug/l	0.101	ND	64	65-135	35	30	MS-01, R-02
4,4´-DDT	0.0715	0.0030	0.010	ug/l	0.101	ND	71	65-135	33	30	R-02
Aldrin	0.0480	0.0040	0.010	ug/l	0.101	ND	48	65-135	54	30	MS-01, R-02
alpha-BHC	0.0938	0.0019	0.010	ug/l	0.101	ND	93	65-135	9	30	
beta-BHC	0.0895	0.0024	0.010	ug/l	0.101	ND	89	65-135	10	30	
delta-BHC	0.0955	0.0030	0.010	ug/l	0.101	ND	95	65-135	9	30	
Dieldrin	0.0755	0.0030	0.010	ug/l	0.101	ND	75	65-135	19	30	
Endosulfan I	0.0788	0.0030	0.010	ug/l	0.101	ND	78	65-135	15	30	
Endosulfan II	0.0785	0.0016	0.010	ug/l	0.101	ND	78	65-135	18	30	
Endosulfan sulfate	0.102	0.0030	0.010	ug/l	0.101	ND	101	65-135	14	30	
Endrin	0.0837	0.0013	0.010	ug/l	0.101	ND	83	65-135	19	30	
Endrin aldehyde	0.0728	0.0040	0.010	ug/l	0.101	ND	72	65-135	23	30	
gamma-BHC (Lindane)	0.0933	0.0030	0.010	ug/l	0.101	ND	93	65-135	9	30	
Heptachlor	0.0757	0.0017	0.010	ug/l	0.101	ND	75	65-135	23	30	
Heptachlor epoxide	0.0874	0.0019	0.010	ug/l	0.101	ND	87	65-135	13	30	
Methoxychlor	0.0974	0.0030	0.010	ug/l	0.101	ND	97	65-135	22	30	
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0930*			*ug/l*	*0.101*		*92*	*70-130*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0719 - EPA 549.2											
Blank (W2H0719-BLK1)					**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	ND	0.90	4.0	ug/l							
Paraquat	ND	1.2	4.0	ug/l							
LCS (W2H0719-BS1)					**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	26.6	0.90	4.0	ug/l	20.0		133	70-130			Q-08
Paraquat	27.6	1.2	4.0	ug/l	20.0		138	70-130			Q-08
Matrix Spike (W2H0719-MS1)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	24.7	0.90	4.0	ug/l	20.0	ND	123	46-122			Q-08
Paraquat	23.4	1.2	4.0	ug/l	20.0	ND	117	38-129			
Matrix Spike (W2H0719-MS2)	**Source: 2H04102-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	29.7	0.90	4.0	ug/l	20.0	ND	148	46-122			Q-08
Paraquat	29.0	1.2	4.0	ug/l	20.0	ND	145	38-129			Q-08
Matrix Spike Dup (W2H0719-MSD1)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	21.4	0.90	4.0	ug/l	20.0	ND	107	46-122	14	30	
Paraquat	22.0	1.2	4.0	ug/l	20.0	ND	110	38-129	6	30	
Matrix Spike Dup (W2H0719-MSD2)	**Source: 2H04102-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	30.9	0.90	4.0	ug/l	20.0	ND	154	46-122	4	30	Q-08
Paraquat	27.5	1.2	4.0	ug/l	20.0	ND	138	38-129	5	30	Q-08

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0594 - EPA 548.1											
Blank (W2H0594-BLK1)					**Prepared: 08/09/22 Analyzed: 08/11/22**						
Endothall	ND	11	40	ug/l							
Blank (W2H0594-BLK2)					**Prepared: 08/09/22 Analyzed: 08/13/22**						
Endothall	ND	11	40	ug/l							QC-2
LCS (W2H0594-BS1)					**Prepared: 08/09/22 Analyzed: 08/11/22**						
Endothall	99.1	11	40	ug/l	100		99	31-117			
LCS (W2H0594-BS2)					**Prepared: 08/09/22 Analyzed: 08/13/22**						
Endothall	97.1	11	40	ug/l	100		97	31-117			QC-2
Matrix Spike (W2H0594-MS1)	**Source: 2H05046-01**				**Prepared: 08/09/22 Analyzed: 08/11/22**						
Endothall	7.75	0.0	80	ug/l	200	ND	4	0.1-109			J
Matrix Spike (W2H0594-MS2)	**Source: 1G28007-01**				**Prepared: 08/09/22 Analyzed: 08/11/22**						
Endothall	22.6	22	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike Dup (W2H0594-MSD1)	**Source: 2H05046-01**				**Prepared: 08/09/22 Analyzed: 08/11/22**						
Endothall	9.41	0.0	80	ug/l	200	ND	5	0.1-109	200	30	R-03, J
Matrix Spike Dup (W2H0594-MSD2)	**Source: 1G28007-01**				**Prepared: 08/09/22 Analyzed: 08/11/22**						
Endothall	22.7	22	80	ug/l	200	ND	11	0.1-109	0.7	30	J

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0546 - EPA 547											
Blank (W2H0546-BLK1)					**Prepared & Analyzed: 08/05/22**						
Glyphosate	ND	1.8	5.0	ug/l							
Blank (W2H0546-BLK2)					**Prepared: 08/05/22 Analyzed: 08/08/22**						
Glyphosate	ND	1.8	5.0	ug/l							QC-2
LCS (W2H0546-BS1)					**Prepared & Analyzed: 08/05/22**						
Glyphosate	28.4	1.8	5.0	ug/l	25.0		114	70-130			
LCS (W2H0546-BS2)					**Prepared: 08/05/22 Analyzed: 08/08/22**						
Glyphosate	28.1	1.8	5.0	ug/l	25.0		112	70-130			QC-2
Matrix Spike (W2H0546-MS1)	**Source: 1G28007-01**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	22.4	1.8	5.0	ug/l	25.0	ND	90	41-149			
Matrix Spike (W2H0546-MS2)	**Source: 2G22002-02**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	29.6	1.8	5.0	ug/l	25.0	ND	118	41-149			
Matrix Spike Dup (W2H0546-MSD1)	**Source: 1G28007-01**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	30.0	1.8	5.0	ug/l	25.0	ND	120	41-149	29	30	
Matrix Spike Dup (W2H0546-MSD2)	**Source: 2G22002-02**				**Prepared & Analyzed: 08/05/22**						
Glyphosate	31.4	1.8	5.0	ug/l	25.0	ND	125	41-149	6	30	

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0522 - EPA 552.3											
Blank (W2H0522-BLK1)					**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l							
Monochloroacetic acid (mcaa)	ND	0.31	2.0	ug/l							
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
LCS (W2H0522-BS1)					**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	10.3	0.28	1.0	ug/l	10.0		103	70-130			
Dichloroacetic acid (dcaa)	10.1	0.29	1.0	ug/l	10.0		101	70-130			
Monobromoacetic acid (mbaa)	10.2	0.34	1.0	ug/l	10.0		102	70-130			
Monochloroacetic acid (mcaa)	10.2	0.31	2.0	ug/l	10.0		102	70-130			
Trichloroacetic acid (tcaa)	10.1	0.29	1.0	ug/l	10.0		101	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.3*			*ug/l*	*10.0*		*103*	*70-130*			
Matrix Spike (W2H0522-MS1)	**Source: 1G28007-01**				**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	9.86	0.28	1.0	ug/l	10.0	ND	99	70-130			
Dichloroacetic acid (dcaa)	10.8	0.29	1.0	ug/l	10.0	0.915	99	70-130			
Monobromoacetic acid (mbaa)	11.7	0.34	1.0	ug/l	10.0	ND	117	70-130			
Monochloroacetic acid (mcaa)	8.70	0.31	2.0	ug/l	10.0	0.593	81	70-130			
Trichloroacetic acid (tcaa)	10.1	0.29	1.0	ug/l	10.0	0.323	98	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.3*			*ug/l*	*10.0*		*103*	*70-130*			
Matrix Spike Dup (W2H0522-MSD1)	**Source: 1G28007-01**				**Prepared: 08/05/22**	**Analyzed: 08/10/22**					
Dibromoacetic acid (dbaa)	9.67	0.28	1.0	ug/l	10.0	ND	97	70-130	2	30	
Dichloroacetic acid (dcaa)	11.0	0.29	1.0	ug/l	10.0	0.915	100	70-130	2	30	
Monobromoacetic acid (mbaa)	11.7	0.34	1.0	ug/l	10.0	ND	117	70-130	0.08	30	
Monochloroacetic acid (mcaa)	9.29	0.31	2.0	ug/l	10.0	0.593	87	70-130	7	30	
Trichloroacetic acid (tcaa)	9.76	0.29	1.0	ug/l	10.0	0.323	94	70-130	3	30	
Surrogate(s)											
2-Bromobutyric acid	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results (Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1192 - EPA 218.6											
Blank (W2H1192-BLK1)					**Prepared & Analyzed: 08/15/22**						
Chromium 6+	ND	0.0079	0.020	ug/l							
LCS (W2H1192-BS1)					**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.24	0.0079	0.020	ug/l	5.00		105	90-110			
Matrix Spike (W2H1192-MS1)	**Source: 2H11074-05**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.22	0.0079	0.020	ug/l	5.00	0.140	102	88-112			
Matrix Spike (W2H1192-MS2)	**Source: 2H11074-07**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.19	0.0079	0.020	ug/l	5.00	0.162	101	88-112			
Matrix Spike Dup (W2H1192-MSD1)	**Source: 2H11074-05**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.34	0.0079	0.020	ug/l	5.00	0.140	104	88-112	2	10	
Matrix Spike Dup (W2H1192-MSD2)	**Source: 2H11074-07**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.24	0.0079	0.020	ug/l	5.00	0.162	102	88-112	0.9	10	

Quality Control Results (Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0652 - EPA 1625B											
Blank (W2H0652-BLK1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l							
LCS (W2H0652-BS1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	1.95	0.66	2.0	ng/l	2.00		97	50-150			J
LCS Dup (W2H0652-BSD1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	1.86	0.66	2.0	ng/l	2.00		93	50-150	4	50	J

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0443 - EPA 1694M											
Blank (W2H0443-BLK1)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
17-b-Estradiol	ND	4.0	4.0	ng/l							
Ibuprofen	ND	4.0	4.0	ng/l							
Iohexol	ND	5.0	5.0	ng/l							
Sucralose	ND	20	20	ng/l							
Surrogate(s)											
17-b-Estradiol-d3	*189*			*ng/l*	*200*		*95*	*20-500*			
Ibuprofen-d3	*211*			*ng/l*	*200*		*105*	*20-500*			
Iohexol-d5	*514*			*ng/l*	*500*		*103*	*20-500*			
Sucralose-d6	*1130*			*ng/l*	*1000*		*113*	*20-500*			
Blank (W2H0443-BLK2)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
17-b-Estradiol	ND	4.0	4.0	ng/l							QC-2
Ibuprofen	ND	4.0	4.0	ng/l							QC-2
Iohexol	ND	5.0	5.0	ng/l							QC-2
Sucralose	ND	20	20	ng/l							QC-2
Surrogate(s)											
17-b-Estradiol-d3	*174*			*ng/l*	*200*		*87*	*20-500*			*QC-2*
Ibuprofen-d3	*229*			*ng/l*	*200*		*115*	*20-500*			*QC-2*
Iohexol-d5	*627*			*ng/l*	*500*		*125*	*20-500*			*QC-2*
Sucralose-d6	*1050*			*ng/l*	*1000*		*105*	*20-500*			*QC-2*
LCS (W2H0443-BS1)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
17-b-Estradiol	38.0	4.0	4.0	ng/l	40.0		95	50-150			
Ibuprofen	33.7	4.0	4.0	ng/l	40.0		84	50-150			
Iohexol	49.5	5.0	5.0	ng/l	50.0		99	50-150			
Sucralose	213	20	20	ng/l	200		106	50-150			
Surrogate(s)											
17-b-Estradiol-d3	*202*			*ng/l*	*200*		*101*	*20-500*			
Ibuprofen-d3	*197*			*ng/l*	*200*		*99*	*20-500*			
Iohexol-d5	*469*			*ng/l*	*500*		*94*	*20-500*			
Sucralose-d6	*1070*			*ng/l*	*1000*		*107*	*20-500*			
LCS (W2H0443-BS2)					**Prepared: 08/04/22 Analyzed: 08/08/22**						
17-b-Estradiol	38.7	4.0	4.0	ng/l	40.0		97	50-150			QC-2
Ibuprofen	49.9	4.0	4.0	ng/l	40.0		125	50-150			QC-2
Iohexol	45.3	5.0	5.0	ng/l	50.0		91	50-150			QC-2
Sucralose	226	20	20	ng/l	200		113	50-150			QC-2
Surrogate(s)											
17-b-Estradiol-d3	*187*			*ng/l*	*200*		*94*	*20-500*			*QC-2*
Ibuprofen-d3	*213*			*ng/l*	*200*		*106*	*20-500*			*QC-2*
Iohexol-d5	*611*			*ng/l*	*500*		*122*	*20-500*			*QC-2*
Sucralose-d6	*1030*			*ng/l*	*1000*		*103*	*20-500*			*QC-2*
Matrix Spike (W2H0443-MS1)	**Source: 2H03125-01RE1**				**Prepared: 08/04/22 Analyzed: 08/08/22**						

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0443 - EPA 1694M (Continued)											
Matrix Spike (W2H0443-MS1)	**Source: 2H03125-01RE1**				**Prepared: 08/04/22**	**Analyzed: 08/08/22**					
17-b-Estradiol	765	80	80	ng/l	800	ND	96	50-150			M-05
Ibuprofen	757	80	80	ng/l	800	ND	95	50-150			M-05
Iohexol	833	100	100	ng/l	1000	ND	83	50-150			M-05
Sucralose	13600	400	400	ng/l	4000	5030	214	50-150			M-05, MS-01
Surrogate(s)											
17-b-Estradiol-d3	*186*			*ng/l*	*200*		*93*	*20-500*			
Ibuprofen-d3	*214*			*ng/l*	*200*		*107*	*20-500*			
Iohexol-d5	*258*			*ng/l*	*500*		*52*	*20-500*			
Sucralose-d6	*501*			*ng/l*	*1000*		*50*	*20-500*			
Matrix Spike Dup (W2H0443-MSD1)	**Source: 2H03125-01RE1**				**Prepared: 08/04/22**	**Analyzed: 08/08/22**					
17-b-Estradiol	707	80	80	ng/l	800	ND	88	50-150	8	30	M-05
Ibuprofen	850	80	80	ng/l	800	ND	106	50-150	12	30	M-05
Iohexol	982	100	100	ng/l	1000	ND	98	50-150	16	30	M-05
Sucralose	9640	400	400	ng/l	4000	5030	115	50-150	34	30	M-05, R-02
Surrogate(s)											
17-b-Estradiol-d3	*204*			*ng/l*	*200*		*102*	*20-500*			
Ibuprofen-d3	*196*			*ng/l*	*200*		*98*	*20-500*			
Iohexol-d5	*320*			*ng/l*	*500*		*64*	*20-500*			
Sucralose-d6	*623*			*ng/l*	*1000*		*62*	*20-500*			
Batch: W2H0444 - EPA 1694M											
Blank (W2H0444-BLK1)					**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	ND	4.0	4.0	ng/l							
Diclofenac	ND	4.0	4.0	ng/l							
Diethylstilbestrol	ND	4.0	4.0	ng/l							
Epitestosterone	ND	4.0	4.0	ng/l							
Estriol	ND	4.0	4.0	ng/l							
Estrone	ND	4.0	4.0	ng/l							
Galaxolide (HHCB)	ND	40	40	ng/l							
Gemfibrozil	ND	4.0	4.0	ng/l							
Hydrochlorothiazide	ND	20	20	ng/l							
Iopromide	ND	4.0	4.0	ng/l							
Naproxen	ND	4.0	4.0	ng/l							
Phenytoin (Dilantin)	ND	4.0	4.0	ng/l							
Primidone	ND	4.0	4.0	ng/l							
Salicylic Acid	ND	100	100	ng/l							
TDCPP	ND	50	50	ng/l							
Testosterone	ND	4.0	4.0	ng/l							
Triclosan	ND	8.0	8.0	ng/l							
Surrogate(s)											

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
Blank (W2H0444-BLK1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
17-a-Ethynylestradiol-d4	*187*			*ng/l*	*200*		*93*	*20-500*			
Bisphenol A-d16	*176*			*ng/l*	*200*		*88*	*20-500*			
Estriol-d2	*202*			*ng/l*	*200*		*101*	*20-500*			
Gemfibrozil-d6	*86.2*			*ng/l*	*100*		*86*	*20-500*			
Naproxen-d3	*215*			*ng/l*	*200*		*108*	*20-500*			
Phenytoin-d10	*198*			*ng/l*	*200*		*99*	*20-500*			
Primidone-d5	*203*			*ng/l*	*200*		*102*	*20-500*			
Progesterone-d9	*180*			*ng/l*	*200*		*90*	*20-500*			
Salicylic Acid-d4	*505*			*ng/l*	*500*		*101*	*20-500*			
Testosterone-d3	*217*			*ng/l*	*200*		*108*	*20-500*			
Triclosan-d3	*306*			*ng/l*	*400*		*76*	*20-500*			
Blank (W2H0444-BLK2)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	ND	4.0	4.0	ng/l							QC-2
Progesterone	ND	4.0	4.0	ng/l							QC-2
Surrogate(s)											
Bisphenol A-d16	*177*			*ng/l*	*200*		*89*	*20-500*			*QC-2*
Progesterone-d9	*189*			*ng/l*	*200*		*94*	*20-500*			*QC-2*
LCS (W2H0444-BS1)					**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	35.7	4.0	4.0	ng/l	40.0		89	50-150			
Diclofenac	34.5	4.0	4.0	ng/l	40.0		86	50-150			
Diethylstilbestrol	36.1	4.0	4.0	ng/l	40.0		90	50-150			
Epitestosterone	41.9	4.0	4.0	ng/l	40.0		105	50-150			
Estriol	39.5	4.0	4.0	ng/l	40.0		99	50-150			
Estrone	34.5	4.0	4.0	ng/l	40.0		86	50-150			
Galaxolide (HHCB)	388	40	40	ng/l	400		97	50-150			
Gemfibrozil	38.5	4.0	4.0	ng/l	40.0		96	50-150			
Hydrochlorothiazide	190	20	20	ng/l	200		95	50-150			
Iopromide	41.7	4.0	4.0	ng/l	40.0		104	50-150			
Naproxen	43.0	4.0	4.0	ng/l	40.0		108	50-150			
Phenytoin (Dilantin)	37.1	4.0	4.0	ng/l	40.0		93	50-150			
Primidone	38.1	4.0	4.0	ng/l	40.0		95	50-150			
Salicylic Acid	922	100	100	ng/l	1000		92	50-150			
TDCPP	488	50	50	ng/l	500		98	50-150			
Testosterone	37.1	4.0	4.0	ng/l	40.0		93	50-150			
Triclosan	81.8	8.0	8.0	ng/l	80.0		102	50-150			
Surrogate(s)											
17-a-Ethynylestradiol-d4	*186*			*ng/l*	*200*		*93*	*20-500*			
Bisphenol A-d16	*170*			*ng/l*	*200*		*85*	*20-500*			
Estriol-d2	*192*			*ng/l*	*200*		*96*	*20-500*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
LCS (W2H0444-BS1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Gemfibrozil-d6	*90.3*			*ng/l*	*100*		*90*	*20-500*			
Naproxen-d3	*199*			*ng/l*	*200*		*99*	*20-500*			
Phenytoin-d10	*209*			*ng/l*	*200*		*104*	*20-500*			
Primidone-d5	*212*			*ng/l*	*200*		*106*	*20-500*			
Progesterone-d9	*185*			*ng/l*	*200*		*93*	*20-500*			
Salicylic Acid-d4	*519*			*ng/l*	*500*		*104*	*20-500*			
Testosterone-d3	*210*			*ng/l*	*200*		*105*	*20-500*			
Triclosan-d3	*351*			*ng/l*	*400*		*88*	*20-500*			
LCS (W2H0444-BS2)					**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	31.5	4.0	4.0	ng/l	40.0		79	50-150			QC-2
Progesterone	44.0	4.0	4.0	ng/l	40.0		110	50-150			QC-2
Surrogate(s)											
Bisphenol A-d16	*193*			*ng/l*	*200*		*96*	*20-500*			QC-2
Progesterone-d9	*196*			*ng/l*	*200*		*98*	*20-500*			QC-2
Matrix Spike (W2H0444-MS1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	33.0	4.0	4.0	ng/l	40.0	ND	82	50-150			
Diclofenac	33.2	4.0	4.0	ng/l	40.0	ND	83	50-150			
Diethylstilbestrol	32.9	4.0	4.0	ng/l	40.0	ND	82	50-150			
Epitestosterone	43.6	4.0	4.0	ng/l	40.0	ND	109	50-150			
Estriol	46.1	4.0	4.0	ng/l	40.0	ND	115	50-150			
Estrone	37.1	4.0	4.0	ng/l	40.0	ND	93	50-150			
Galaxolide (HHCB)	187	40	40	ng/l	400	ND	47	50-150			MS-01
Gemfibrozil	32.8	4.0	4.0	ng/l	40.0	ND	82	50-150			
Hydrochlorothiazide	160	20	20	ng/l	200	ND	80	50-150			
Iopromide	39.7	4.0	4.0	ng/l	40.0	ND	99	50-150			
Naproxen	39.6	4.0	4.0	ng/l	40.0	ND	99	50-150			
Phenytoin (Dilantin)	36.5	4.0	4.0	ng/l	40.0	ND	91	50-150			
Primidone	50.5	4.0	4.0	ng/l	40.0	ND	126	50-150			
Salicylic Acid	959	100	100	ng/l	1000	ND	96	50-150			
TDCPP	495	50	50	ng/l	500	ND	99	50-150			
Testosterone	38.1	4.0	4.0	ng/l	40.0	ND	95	50-150			
Triclosan	73.0	8.0	8.0	ng/l	80.0	ND	91	50-150			
Surrogate(s)											
17-a-Ethynylestradiol-d4	*287*			*ng/l*	*200*		*143*	*20-500*			
Bisphenol A-d16	*259*			*ng/l*	*200*		*129*	*20-500*			
Estriol-d2	*204*			*ng/l*	*200*		*102*	*20-500*			
Gemfibrozil-d6	*130*			*ng/l*	*100*		*130*	*20-500*			
Naproxen-d3	*226*			*ng/l*	*200*		*113*	*20-500*			
Phenytoin-d10	*204*			*ng/l*	*200*		*102*	*20-500*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
Matrix Spike (W2H0444-MS1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Primidone-d5	*60.6*			*ng/l*	*200*		*30*	*20-500*			
Progesterone-d9	*192*			*ng/l*	*200*		*96*	*20-500*			
Salicylic Acid-d4	*418*			*ng/l*	*500*		*84*	*20-500*			
Testosterone-d3	*203*			*ng/l*	*200*		*101*	*20-500*			
Triclosan-d3	*784*			*ng/l*	*400*		*196*	*20-500*			
Matrix Spike (W2H0444-MS2)	**Source: 2H03125-01**				**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	37.8	4.0	4.0	ng/l	40.0	9.78	70	50-150			QC-2
Progesterone	37.2	4.0	4.0	ng/l	40.0	11.3	65	50-150			QC-2
Surrogate(s)											
Bisphenol A-d16	*271*			*ng/l*	*200*		*136*	*20-500*			*QC-2*
Progesterone-d9	*185*			*ng/l*	*200*		*93*	*20-500*			*QC-2*
Matrix Spike Dup (W2H0444-MSD1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
17-a-Ethynylestradiol	33.9	4.0	4.0	ng/l	40.0	ND	85	50-150	3	30	
Diclofenac	29.1	4.0	4.0	ng/l	40.0	ND	73	50-150	13	30	
Diethylstilbestrol	32.5	4.0	4.0	ng/l	40.0	ND	81	50-150	1	30	
Epitestosterone	52.0	4.0	4.0	ng/l	40.0	ND	130	50-150	18	30	
Estriol	35.8	4.0	4.0	ng/l	40.0	ND	89	50-150	25	30	
Estrone	33.5	4.0	4.0	ng/l	40.0	ND	84	50-150	10	30	
Galaxolide (HHCB)	271	40	40	ng/l	400	ND	68	50-150	37	30	R-02
Gemfibrozil	36.8	4.0	4.0	ng/l	40.0	ND	92	50-150	11	30	
Hydrochlorothiazide	159	20	20	ng/l	200	ND	79	50-150	0.9	30	
Iopromide	35.6	4.0	4.0	ng/l	40.0	ND	89	50-150	11	30	
Naproxen	50.0	4.0	4.0	ng/l	40.0	ND	125	50-150	23	30	
Phenytoin (Dilantin)	37.4	4.0	4.0	ng/l	40.0	ND	93	50-150	2	30	
Primidone	51.4	4.0	4.0	ng/l	40.0	ND	128	50-150	2	30	
Salicylic Acid	933	100	100	ng/l	1000	ND	93	50-150	3	30	
TDCPP	467	50	50	ng/l	500	ND	93	50-150	6	30	
Testosterone	37.7	4.0	4.0	ng/l	40.0	ND	94	50-150	1	30	
Triclosan	68.6	8.0	8.0	ng/l	80.0	ND	86	50-150	6	30	
Surrogate(s)											
17-a-Ethynylestradiol-d4	*237*			*ng/l*	*200*		*119*	*20-500*			
Bisphenol A-d16	*187*			*ng/l*	*200*		*94*	*20-500*			
Estriol-d2	*202*			*ng/l*	*200*		*101*	*20-500*			
Gemfibrozil-d6	*91.0*			*ng/l*	*100*		*91*	*20-500*			
Naproxen-d3	*135*			*ng/l*	*200*		*67*	*20-500*			
Phenytoin-d10	*195*			*ng/l*	*200*		*98*	*20-500*			
Primidone-d5	*61.8*			*ng/l*	*200*		*31*	*20-500*			
Progesterone-d9	*211*			*ng/l*	*200*		*105*	*20-500*			
Salicylic Acid-d4	*442*			*ng/l*	*500*		*88*	*20-500*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0444 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0444-MSD1)	**Source: 2G27058-01RE1**				**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Testosterone-d3	*185*			*ng/l*	*200*		*92*	*20-500*			
Triclosan-d3	*719*			*ng/l*	*400*		*180*	*20-500*			
Matrix Spike Dup (W2H0444-MSD2)	**Source: 2H03125-01**				**Prepared: 08/04/22 Analyzed: 08/05/22**						
Bisphenol A	30.6	4.0	4.0	ng/l	40.0	9.78	52	50-150	21	30	QC-2
Progesterone	32.1	4.0	4.0	ng/l	40.0	11.3	52	50-150	15	30	QC-2
Surrogate(s)											
Bisphenol A-d16	*259*			*ng/l*	*200*		*129*	*20-500*			QC-2
Progesterone-d9	*195*			*ng/l*	*200*		*98*	*20-500*			QC-2
Batch: W2H0445 - EPA 1694M											
Blank (W2H0445-BLK1)					**Prepared & Analyzed: 08/04/22**						
Acetaminophen	ND	5.0	5.0	ng/l							
Amoxicillin	ND	20	20	ng/l							
Atenolol	ND	4.0	4.0	ng/l							
Atorvastatin	ND	4.0	4.0	ng/l							
Azithromycin	ND	20	20	ng/l							
Caffeine	ND	4.0	4.0	ng/l							
Carbamazepine	ND	4.0	4.0	ng/l							
Ciprofloxacin	ND	20	20	ng/l							
Cotinine	ND	8.0	8.0	ng/l							
DEET	ND	4.0	4.0	ng/l							
Diazepam	ND	4.0	4.0	ng/l							
Fluoxetine	ND	4.0	4.0	ng/l							
Meprobamate	ND	4.0	4.0	ng/l							
Methadone	ND	4.0	4.0	ng/l							
Sulfamethoxazole	ND	4.0	4.0	ng/l							
TCEP	ND	10	10	ng/l							
TCPP	ND	50	50	ng/l							
Trimethoprim	ND	4.0	4.0	ng/l							
Surrogate(s)											
Acetaminophen-d4	*3090*			*ng/l*	*3000*		*103*	*20-500*			
Amoxicillin-d4	*59100*			*ng/l*	*62500*		*95*	*20-500*			
Atenolol-d7	*388*			*ng/l*	*400*		*97*	*20-500*			
Azithromycin-d3	*2250*			*ng/l*	*2000*		*112*	*20-500*			
Caffeine-13C3	*196*			*ng/l*	*200*		*98*	*20-500*			
Carbamazepine- 13C2, d2	*40.6*			*ng/l*	*40.0*		*101*	*20-500*			
Ciprofloxacin-d8	*1050*			*ng/l*	*1000*		*105*	*20-500*			
Cotinine-d3	*210*			*ng/l*	*200*		*105*	*20-500*			
DEET-d7	*18.6*			*ng/l*	*20.0*		*93*	*20-500*			
Diazepam-d5	*1780*			*ng/l*	*2000*		*89*	*20-500*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0445 - EPA 1694M (Continued)											
Blank (W2H0445-BLK1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Fluoxetine-d5	*214*			*ng/l*	*200*		*107*	*20-500*			
Methadone-d3	*45.0*			*ng/l*	*40.0*		*112*	*20-500*			
Sulfamethoxazole-d4	*194*			*ng/l*	*200*		*97*	*20-500*			
Trimethoprim-d9	*189*			*ng/l*	*200*		*94*	*20-500*			
LCS (W2H0445-BS1)					**Prepared & Analyzed: 08/04/22**						
Acetaminophen	50.1	5.0	5.0	ng/l	50.0		100	50-150			
Amoxicillin	171	20	20	ng/l	200		85	50-150			
Atenolol	38.0	4.0	4.0	ng/l	40.0		95	50-150			
Atorvastatin	42.3	4.0	4.0	ng/l	40.0		106	50-150			
Azithromycin	175	20	20	ng/l	200		88	50-150			
Caffeine	38.2	4.0	4.0	ng/l	40.0		96	50-150			
Carbamazepine	41.6	4.0	4.0	ng/l	40.0		104	50-150			
Ciprofloxacin	186	20	20	ng/l	200		93	50-150			
Cotinine	75.2	8.0	8.0	ng/l	80.0		94	50-150			
DEET	38.8	4.0	4.0	ng/l	40.0		97	50-150			
Diazepam	40.3	4.0	4.0	ng/l	40.0		101	50-150			
Fluoxetine	40.1	4.0	4.0	ng/l	40.0		100	50-150			
Meprobamate	36.5	4.0	4.0	ng/l	40.0		91	50-150			
Methadone	39.3	4.0	4.0	ng/l	40.0		98	50-150			
Propranolol	38.1	4.0	4.0	ng/l	40.0		95	50-150			
Sulfamethoxazole	35.7	4.0	4.0	ng/l	40.0		89	50-150			
TCEP	118	10	10	ng/l	100		118	50-150			
TCPP	539	50	50	ng/l	500		108	50-150			
Trimethoprim	38.9	4.0	4.0	ng/l	40.0		97	50-150			
Surrogate(s)											
Acetaminophen-d4	*3110*			*ng/l*	*3000*		*104*	*20-500*			
Amoxicillin-d4	*52300*			*ng/l*	*62500*		*84*	*20-500*			
Atenolol-d7	*385*			*ng/l*	*400*		*96*	*20-500*			
Azithromycin-d3	*2630*			*ng/l*	*2000*		*131*	*20-500*			
Caffeine-13C3	*197*			*ng/l*	*200*		*98*	*20-500*			
Carbamazepine- 13C2, d2	*36.8*			*ng/l*	*40.0*		*92*	*20-500*			
Ciprofloxacin-d8	*832*			*ng/l*	*1000*		*83*	*20-500*			
Cotinine-d3	*205*			*ng/l*	*200*		*102*	*20-500*			
DEET-d7	*20.8*			*ng/l*	*20.0*		*104*	*20-500*			
Diazepam-d5	*1780*			*ng/l*	*2000*		*89*	*20-500*			
Fluoxetine-d5	*221*			*ng/l*	*200*		*110*	*20-500*			
Methadone-d3	*44.9*			*ng/l*	*40.0*		*112*	*20-500*			
Sulfamethoxazole-d4	*188*			*ng/l*	*200*		*94*	*20-500*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0445 - EPA 1694M (Continued)											
LCS (W2H0445-BS1)					**Prepared & Analyzed: 08/04/22**						
Surrogate(s)											
Trimethoprim-d9	*202*			*ng/l*	*200*		*101*	*20-500*			
Matrix Spike (W2H0445-MS1)	**Source: 2H03125-01**				**Prepared & Analyzed: 08/04/22**						
Acetaminophen	52.6	5.0	5.0	ng/l	50.0	ND	105	50-150			
Amoxicillin	195	20	20	ng/l	200	ND	97	50-150			
Atenolol	37.3	4.0	4.0	ng/l	40.0	ND	93	50-150			
Atorvastatin	53.1	4.0	4.0	ng/l	40.0	ND	133	50-150			
Azithromycin	157	20	20	ng/l	200	56.8	50	50-150			
Caffeine	41.1	4.0	4.0	ng/l	40.0	7.24	85	50-150			
Carbamazepine	46.9	4.0	4.0	ng/l	40.0	ND	117	50-150			
Ciprofloxacin	217	20	20	ng/l	200	ND	109	50-150			
Cotinine	76.2	8.0	8.0	ng/l	80.0	ND	95	50-150			
DEET	35.1	4.0	4.0	ng/l	40.0	ND	88	50-150			
Diazepam	35.1	4.0	4.0	ng/l	40.0	ND	88	50-150			
Fluoxetine	35.9	4.0	4.0	ng/l	40.0	ND	90	50-150			
Meprobamate	25.1	4.0	4.0	ng/l	40.0	ND	63	50-150			
Methadone	39.0	4.0	4.0	ng/l	40.0	ND	98	50-150			
Sulfamethoxazole	38.4	4.0	4.0	ng/l	40.0	ND	96	50-150			
TCEP	132	10	10	ng/l	100	ND	132	50-150			
TCPP	649	50	50	ng/l	500	86.4	112	50-150			
Trimethoprim	39.8	4.0	4.0	ng/l	40.0	ND	100	50-150			
Surrogate(s)											
Acetaminophen-d4	*3470*			*ng/l*	*3000*		*116*	*20-500*			
Amoxicillin-d4	*192000*			*ng/l*	*62500*		*307*	*20-500*			
Atenolol-d7	*346*			*ng/l*	*400*		*86*	*20-500*			
Azithromycin-d3	*1690*			*ng/l*	*2000*		*85*	*20-500*			
Caffeine-13C3	*355*			*ng/l*	*200*		*177*	*20-500*			
Carbamazepine- 13C2, d2	*32.5*			*ng/l*	*40.0*		*81*	*20-500*			
Ciprofloxacin-d8	*1780*			*ng/l*	*1000*		*178*	*20-500*			
Cotinine-d3	*170*			*ng/l*	*200*		*85*	*20-500*			
DEET-d7	*23.3*			*ng/l*	*20.0*		*117*	*20-500*			
Diazepam-d5	*1920*			*ng/l*	*2000*		*96*	*20-500*			
Fluoxetine-d5	*127*			*ng/l*	*200*		*63*	*20-500*			
Methadone-d3	*41.7*			*ng/l*	*40.0*		*104*	*20-500*			
Sulfamethoxazole-d4	*439*			*ng/l*	*200*		*220*	*20-500*			
Trimethoprim-d9	*158*			*ng/l*	*200*		*79*	*20-500*			
Matrix Spike Dup (W2H0445-MSD1)	**Source: 2H03125-01**				**Prepared & Analyzed: 08/04/22**						
Acetaminophen	49.3	5.0	5.0	ng/l	50.0	ND	99	50-150	6	30	
Amoxicillin	163	20	20	ng/l	200	ND	82	50-150	18	30	

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0445 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0445-MSD1)	**Source: 2H03125-01**				**Prepared & Analyzed: 08/04/22**						
Atenolol	41.3	4.0	4.0	ng/l	40.0	ND	103	50-150	10	30	
Atorvastatin	52.2	4.0	4.0	ng/l	40.0	ND	130	50-150	2	30	
Azithromycin	165	20	20	ng/l	200	56.8	54	50-150	5	30	
Caffeine	45.1	4.0	4.0	ng/l	40.0	7.24	95	50-150	9	30	
Carbamazepine	40.7	4.0	4.0	ng/l	40.0	ND	102	50-150	14	30	
Ciprofloxacin	205	20	20	ng/l	200	ND	102	50-150	6	30	
Cotinine	75.0	8.0	8.0	ng/l	80.0	ND	94	50-150	2	30	
DEET	38.4	4.0	4.0	ng/l	40.0	ND	96	50-150	9	30	
Diazepam	33.7	4.0	4.0	ng/l	40.0	ND	84	50-150	4	30	
Fluoxetine	37.1	4.0	4.0	ng/l	40.0	ND	93	50-150	3	30	
Meprobamate	24.9	4.0	4.0	ng/l	40.0	ND	62	50-150	0.7	30	
Methadone	39.8	4.0	4.0	ng/l	40.0	ND	99	50-150	2	30	
Sulfamethoxazole	38.0	4.0	4.0	ng/l	40.0	ND	95	50-150	1	30	
TCEP	122	10	10	ng/l	100	ND	122	50-150	8	30	
TCPP	651	50	50	ng/l	500	86.4	113	50-150	0.4	30	
Trimethoprim	37.5	4.0	4.0	ng/l	40.0	ND	94	50-150	6	30	
Surrogate(s)											
Acetaminophen-d4	*3540*			*ng/l*	*3000*		*118*	*20-500*			
Amoxicillin-d4	*185000*			*ng/l*	*62500*		*297*	*20-500*			
Atenolol-d7	*339*			*ng/l*	*400*		*85*	*20-500*			
Azithromycin-d3	*1640*			*ng/l*	*2000*		*82*	*20-500*			
Caffeine-13C3	*376*			*ng/l*	*200*		*188*	*20-500*			
Carbamazepine- 13C2, d2	*38.1*			*ng/l*	*40.0*		*95*	*20-500*			
Ciprofloxacin-d8	*1900*			*ng/l*	*1000*		*190*	*20-500*			
Cotinine-d3	*166*			*ng/l*	*200*		*83*	*20-500*			
DEET-d7	*20.0*			*ng/l*	*20.0*		*100*	*20-500*			
Diazepam-d5	*1950*			*ng/l*	*2000*		*98*	*20-500*			
Fluoxetine-d5	*124*			*ng/l*	*200*		*62*	*20-500*			
Methadone-d3	*41.0*			*ng/l*	*40.0*		*102*	*20-500*			
Sulfamethoxazole-d4	*504*			*ng/l*	*200*		*252*	*20-500*			
Trimethoprim-d9	*173*			*ng/l*	*200*		*87*	*20-500*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0814 - EPA 525.2											
Blank (W2H0814-BLK1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Alachlor	ND	0.030	0.10	ug/l							
Atrazine	ND	0.011	0.10	ug/l							
Benzo (a) pyrene	ND	0.020	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l							
Bromacil	ND	0.070	0.50	ug/l							
Butachlor	ND	0.012	0.10	ug/l							
Captan	ND	0.32	1.0	ug/l							
Chlorpropham	ND	0.040	0.10	ug/l							
Diazinon	ND	0.022	0.10	ug/l							
Dimethoate	ND	0.020	0.20	ug/l							
Diphenamid	ND	0.030	0.10	ug/l							
Disulfoton	ND	0.015	0.10	ug/l							
EPTC	ND	0.020	0.10	ug/l							
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l							
Metolachlor	ND	0.030	0.10	ug/l							
Metribuzin	ND	0.030	0.10	ug/l							
Molinate	ND	0.030	0.10	ug/l							
Prometryn	ND	0.030	0.10	ug/l							
Simazine	ND	0.020	0.10	ug/l							
Terbacil	ND	0.090	2.0	ug/l							
Thiobencarb	ND	0.030	0.10	ug/l							
Trithion	ND	0.020	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.99*			*ug/l*	*5.00*		*100*	*70-130*			
Perylene-d12	*4.44*			*ug/l*	*5.00*		*89*	*50-120*			
Triphenyl phosphate	*4.88*			*ug/l*	*5.00*		*98*	*70-130*			
LCS (W2H0814-BS1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Alachlor	8.49	0.030	0.10	ug/l	7.50		113	70-130			
Atrazine	4.52	0.011	0.10	ug/l	5.00		90	70-130			
Benzo (a) pyrene	4.86	0.020	0.10	ug/l	5.00		97	60-130			
Bis(2-ethylhexyl)adipate	5.67	0.42	2.0	ug/l	5.00		113	70-130			
Bis(2-ethylhexyl)phthalate	5.10	0.41	2.0	ug/l	5.00		102	70-130			
Bromacil	5.53	0.070	0.50	ug/l	5.00		111	70-130			
Butachlor	5.45	0.012	0.10	ug/l	5.00		109	70-130			
Captan	3.63	0.32	1.0	ug/l	5.00		73	70-130			
Chlorpropham	5.94	0.040	0.10	ug/l	5.00		119	70-130			
Diazinon	4.47	0.022	0.10	ug/l	5.00		89	50-120			
Dimethoate	4.09	0.020	0.20	ug/l	5.00		82	50-120			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0814 - EPA 525.2 (Continued)											
LCS (W2H0814-BS1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Diphenamid	5.32	0.030	0.10	ug/l	5.00		106	70-130			
Disulfoton	4.56	0.015	0.10	ug/l	5.00		91	50-120			
EPTC	5.99	0.020	0.10	ug/l	5.00		120	70-130			
Hexachlorocyclopentadiene	2.12	0.092	1.0	ug/l	2.50		85	33-106			
Metolachlor	5.24	0.030	0.10	ug/l	5.00		105	60-130			
Metribuzin	4.64	0.030	0.10	ug/l	5.00		93	50-120			
Molinate	4.76	0.030	0.10	ug/l	5.00		95	70-130			
Prometryn	2.01	0.030	0.10	ug/l	5.00		40	30-120			
Simazine	3.33	0.020	0.10	ug/l	5.00		67	60-130			
Terbacil	4.27	0.090	2.0	ug/l	5.00		85	70-130			
Thiobencarb	4.33	0.030	0.10	ug/l	5.00		87	70-130			
Trithion	4.46	0.020	0.10	ug/l	5.00		89	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.79*			*ug/l*	*5.00*		*96*	*70-130*			
Perylene-d12	*5.01*			*ug/l*	*5.00*		*100*	*50-120*			
Triphenyl phosphate	*5.62*			*ug/l*	*5.00*		*112*	*70-130*			
LCS Dup (W2H0814-BSD1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Alachlor	7.82	0.030	0.10	ug/l	7.50		104	70-130	8	30	
Atrazine	4.46	0.011	0.10	ug/l	5.00		89	70-130	1	30	
Benzo (a) pyrene	4.49	0.020	0.10	ug/l	5.00		90	60-130	8	30	
Bis(2-ethylhexyl)adipate	5.21	0.42	2.0	ug/l	5.00		104	70-130	8	30	
Bis(2-ethylhexyl)phthalate	4.76	0.41	2.0	ug/l	5.00		95	70-130	7	30	
Bromacil	5.15	0.070	0.50	ug/l	5.00		103	70-130	7	30	
Butachlor	4.98	0.012	0.10	ug/l	5.00		100	70-130	9	30	
Captan	2.82	0.32	1.0	ug/l	5.00		56	70-130	25	30	BS-04
Chlorpropham	5.36	0.040	0.10	ug/l	5.00		107	70-130	10	30	
Diazinon	4.35	0.022	0.10	ug/l	5.00		87	50-120	3	30	
Dimethoate	3.82	0.020	0.20	ug/l	5.00		76	50-120	7	30	
Diphenamid	4.77	0.030	0.10	ug/l	5.00		95	70-130	11	30	
Disulfoton	4.27	0.015	0.10	ug/l	5.00		85	50-120	7	30	
EPTC	5.43	0.020	0.10	ug/l	5.00		109	70-130	10	30	
Hexachlorocyclopentadiene	1.99	0.092	1.0	ug/l	2.50		80	33-106	6	30	
Metolachlor	4.72	0.030	0.10	ug/l	5.00		94	60-130	11	30	
Metribuzin	4.27	0.030	0.10	ug/l	5.00		85	50-120	8	30	
Molinate	4.37	0.030	0.10	ug/l	5.00		87	70-130	9	30	
Prometryn	2.24	0.030	0.10	ug/l	5.00		45	30-120	10	30	
Simazine	3.39	0.020	0.10	ug/l	5.00		68	60-130	2	30	
Terbacil	4.01	0.090	2.0	ug/l	5.00		80	70-130	6	30	
Thiobencarb	3.89	0.030	0.10	ug/l	5.00		78	70-130	11	30	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0814 - EPA 525.2 (Continued)											
LCS Dup (W2H0814-BSD1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Trithion	4.08	0.020	0.10	ug/l	5.00		82	70-130	9	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.98*			*ug/l*	*5.00*		*100*	*70-130*			
Perylene-d12	*5.05*			*ug/l*	*5.00*		*101*	*50-120*			
Triphenyl phosphate	*5.61*			*ug/l*	*5.00*		*112*	*70-130*			
Batch: W2H1378 - EPA 525.2											
Blank (W2H1378-BLK1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Alachlor	ND	0.030	0.10	ug/l							
Atrazine	ND	0.011	0.10	ug/l							
Benzo (a) pyrene	ND	0.020	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l							
Bromacil	ND	0.070	0.50	ug/l							
Butachlor	ND	0.012	0.10	ug/l							
Captan	ND	0.32	1.0	ug/l							
Chlorpropham	ND	0.040	0.10	ug/l							
Diazinon	ND	0.022	0.10	ug/l							
Dimethoate	ND	0.020	0.20	ug/l							
Diphenamid	ND	0.030	0.10	ug/l							
Disulfoton	ND	0.015	0.10	ug/l							
EPTC	ND	0.020	0.10	ug/l							
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l							
Metolachlor	ND	0.030	0.10	ug/l							
Metribuzin	ND	0.030	0.10	ug/l							
Molinate	ND	0.030	0.10	ug/l							
Prometryn	ND	0.030	0.10	ug/l							
Simazine	ND	0.020	0.10	ug/l							
Terbacil	ND	0.090	2.0	ug/l							
Thiobencarb	ND	0.030	0.10	ug/l							
Trithion	ND	0.020	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*5.06*			*ug/l*	*5.00*		*101*	*70-130*			
Perylene-d12	*4.64*			*ug/l*	*5.00*		*93*	*50-120*			
Triphenyl phosphate	*5.32*			*ug/l*	*5.00*		*106*	*70-130*			
LCS (W2H1378-BS1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Alachlor	8.63	0.030	0.10	ug/l	7.50		115	70-130			
Atrazine	5.59	0.011	0.10	ug/l	5.00		112	70-130			
Benzo (a) pyrene	5.02	0.020	0.10	ug/l	5.00		100	60-130			
Bis(2-ethylhexyl)adipate	5.99	0.42	2.0	ug/l	5.00		120	70-130			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1378 - EPA 525.2 (Continued)											
LCS (W2H1378-BS1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Bis(2-ethylhexyl)phthalate	5.31	0.41	2.0	ug/l	5.00		106	70-130			
Bromacil	5.93	0.070	0.50	ug/l	5.00		119	70-130			
Butachlor	5.67	0.012	0.10	ug/l	5.00		113	70-130			
Captan	5.40	0.32	1.0	ug/l	5.00		108	70-130			
Chlorpropham	5.99	0.040	0.10	ug/l	5.00		120	70-130			
Diazinon	4.50	0.022	0.10	ug/l	5.00		90	50-120			
Dimethoate	4.61	0.020	0.20	ug/l	5.00		92	50-120			
Diphenamid	5.53	0.030	0.10	ug/l	5.00		111	70-130			
Disulfoton	4.98	0.015	0.10	ug/l	5.00		100	50-120			
EPTC	6.28	0.020	0.10	ug/l	5.00		126	70-130			
Hexachlorocyclopentadiene	1.96	0.092	1.0	ug/l	2.50		78	33-106			
Metolachlor	5.28	0.030	0.10	ug/l	5.00		106	60-130			
Metribuzin	5.03	0.030	0.10	ug/l	5.00		101	50-120			
Molinate	5.03	0.030	0.10	ug/l	5.00		101	70-130			
Prometryn	2.51	0.030	0.10	ug/l	5.00		50	30-120			
Simazine	4.11	0.020	0.10	ug/l	5.00		82	60-130			
Terbacil	4.78	0.090	2.0	ug/l	5.00		96	70-130			
Thiobencarb	4.49	0.030	0.10	ug/l	5.00		90	70-130			
Trithion	4.58	0.020	0.10	ug/l	5.00		92	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.86*			*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*5.04*			*ug/l*	*5.00*		*101*	*50-120*			
Triphenyl phosphate	*5.65*			*ug/l*	*5.00*		*113*	*70-130*			
Matrix Spike (W2H1378-MS1)	**Source: 1G28007-01**				**Prepared: 08/17/22 Analyzed: 08/18/22**						
Alachlor	8.95	0.030	0.10	ug/l	7.54	ND	119	70-130			
Atrazine	5.40	0.011	0.10	ug/l	5.03	ND	107	70-130			
Benzo (a) pyrene	4.97	0.020	0.10	ug/l	5.03	ND	99	60-130			
Bis(2-ethylhexyl)adipate	5.86	0.42	2.0	ug/l	5.03	ND	117	70-130			
Bis(2-ethylhexyl)phthalate	5.21	0.41	2.0	ug/l	5.03	ND	104	70-130			
Bromacil	5.93	0.070	0.50	ug/l	5.03	ND	118	70-130			
Butachlor	5.68	0.012	0.10	ug/l	5.03	ND	113	70-130			
Captan	5.46	0.32	1.0	ug/l	5.03	ND	109	70-130			
Chlorpropham	6.12	0.040	0.10	ug/l	5.03	ND	122	70-130			
Diazinon	5.02	0.022	0.10	ug/l	5.03	ND	100	50-120			
Dimethoate	4.84	0.020	0.20	ug/l	5.03	ND	96	50-120			
Diphenamid	5.45	0.030	0.10	ug/l	5.03	ND	109	70-130			
Disulfoton	5.00	0.015	0.10	ug/l	5.03	ND	99	50-120			
EPTC	6.15	0.020	0.10	ug/l	5.03	ND	122	70-130			
Hexachlorocyclopentadiene	2.15	0.092	1.0	ug/l	2.51	ND	86	33-106			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1378 - EPA 525.2 (Continued)											
Matrix Spike (W2H1378-MS1)	**Source: 1G28007-01**				**Prepared: 08/17/22**	**Analyzed: 08/18/22**					
Metolachlor	5.43	0.030	0.10	ug/l	5.03	ND	108	60-130			
Metribuzin	5.13	0.030	0.10	ug/l	5.03	ND	102	50-120			
Molinate	4.97	0.030	0.10	ug/l	5.03	ND	99	70-130			
Prometryn	2.70	0.030	0.10	ug/l	5.03	ND	54	30-120			
Simazine	4.27	0.020	0.10	ug/l	5.03	ND	85	60-130			
Terbacil	4.83	0.090	2.0	ug/l	5.03	ND	96	70-130			
Thiobencarb	4.45	0.030	0.10	ug/l	5.03	ND	88	70-130			
Trithion	4.68	0.020	0.10	ug/l	5.03	ND	93	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*5.03*			*ug/l*	*5.03*		*100*	*70-130*			
Perylene-d12	*5.17*			*ug/l*	*5.03*		*103*	*50-120*			
Triphenyl phosphate	*5.58*			*ug/l*	*5.03*		*111*	*70-130*			
Matrix Spike Dup (W2H1378-MSD1)	**Source: 1G28007-01**				**Prepared: 08/17/22**	**Analyzed: 08/18/22**					
Alachlor	9.31	0.030	0.10	ug/l	7.63	ND	122	70-130	4	30	
Atrazine	5.74	0.011	0.10	ug/l	5.09	ND	113	70-130	6	30	
Benzo (a) pyrene	5.06	0.020	0.10	ug/l	5.09	ND	100	60-130	2	30	
Bis(2-ethylhexyl)adipate	6.09	0.42	2.0	ug/l	5.09	ND	120	70-130	4	30	
Bis(2-ethylhexyl)phthalate	5.37	0.41	2.0	ug/l	5.09	ND	106	70-130	3	30	
Bromacil	6.09	0.070	0.50	ug/l	5.09	ND	120	70-130	3	30	
Butachlor	5.94	0.012	0.10	ug/l	5.09	ND	117	70-130	4	30	
Captan	5.62	0.32	1.0	ug/l	5.09	ND	110	70-130	3	30	
Chlorpropham	6.32	0.040	0.10	ug/l	5.09	ND	124	70-130	3	30	
Diazinon	5.03	0.022	0.10	ug/l	5.09	ND	99	50-120	0.2	30	
Dimethoate	5.23	0.020	0.20	ug/l	5.09	ND	103	50-120	8	30	
Diphenamid	5.61	0.030	0.10	ug/l	5.09	ND	110	70-130	3	30	
Disulfoton	5.09	0.015	0.10	ug/l	5.09	ND	100	50-120	2	30	
EPTC	6.32	0.020	0.10	ug/l	5.09	ND	124	70-130	3	30	
Hexachlorocyclopentadiene	2.16	0.092	1.0	ug/l	2.54	ND	85	33-106	0.4	30	
Metolachlor	5.50	0.030	0.10	ug/l	5.09	ND	108	60-130	1	30	
Metribuzin	5.35	0.030	0.10	ug/l	5.09	ND	105	50-120	4	30	
Molinate	5.00	0.030	0.10	ug/l	5.09	ND	98	70-130	0.6	30	
Prometryn	2.92	0.030	0.10	ug/l	5.09	ND	57	30-120	8	30	
Simazine	4.32	0.020	0.10	ug/l	5.09	ND	85	60-130	1	30	
Terbacil	4.74	0.090	2.0	ug/l	5.09	ND	93	70-130	2	30	
Thiobencarb	4.58	0.030	0.10	ug/l	5.09	ND	90	70-130	3	30	
Trithion	4.75	0.020	0.10	ug/l	5.09	ND	93	70-130	1	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*5.06*			*ug/l*	*5.09*		*100*	*70-130*			
Perylene-d12	*5.18*			*ug/l*	*5.09*		*102*	*50-120*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

Quality Control Results (Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1378 - EPA 525.2 (Continued)											
Matrix Spike Dup (W2H1378-MSD1)	**Source: 1G28007-01**				**Prepared: 08/17/22**	**Analyzed: 08/18/22**					
Surrogate(s)											
Triphenyl phosphate	*5.76*			*ug/l*	*5.09*		*113*	*70-130*			

Quality Control Results (Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1133 - EPA 524.3											
Blank (W2H1133-BLK1)					**Prepared: 08/12/22**	**Analyzed: 08/13/22**					
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.400*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.346*			*ug/l*	*0.400*		*86*	*70-130*			
LCS (W2H1133-BS1)					**Prepared: 08/12/22**	**Analyzed: 08/13/22**					
1,2-Dibromo-3-chloropropane	0.0623	0.0042	0.010	ug/l	0.0500		125	70-130			
1,2-Dibromoethane (EDB)	0.0563	0.0029	0.020	ug/l	0.0500		113	70-130			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.397*			*ug/l*	*0.400*		*99*	*70-130*			
4-Bromofluorobenzene	*0.354*			*ug/l*	*0.400*		*89*	*70-130*			
Matrix Spike (W2H1133-MS1)	**Source: 2G15022-01**				**Prepared: 08/12/22**	**Analyzed: 08/13/22**					
1,2-Dibromo-3-chloropropane	0.0588	0.0042	0.010	ug/l	0.0500	ND	118	65-135			
1,2-Dibromoethane (EDB)	0.0672	0.0029	0.020	ug/l	0.0500	ND	134	65-135			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.401*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.313*			*ug/l*	*0.400*		*78*	*70-130*			
Matrix Spike Dup (W2H1133-MSD1)	**Source: 2G15022-01**				**Prepared: 08/12/22**	**Analyzed: 08/13/22**					
1,2-Dibromo-3-chloropropane	0.0547	0.0042	0.010	ug/l	0.0500	ND	109	65-135	7	30	
1,2-Dibromoethane (EDB)	0.0612	0.0029	0.020	ug/l	0.0500	ND	122	65-135	9	30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.399*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.303*			*ug/l*	*0.400*		*76*	*70-130*			

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-466759

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:42

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.
J	Estimated conc. detected <MRL and >MDL.
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.
M-06	Due to the high concentration of analyte inherent in the sample, sample was diluted prior to preparation and/or analysis. The MDL and MRL were raised due to this dilution.
MS-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
R-01	The MDL and/or MRL 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.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
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
MDL	Method Detection Limit
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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

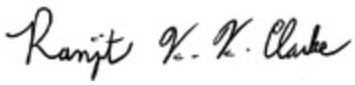
Lab Job Number: 466764
Report Level: II
Report Date: 08/15/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466764
Project No:	MALIBU
Location:	Annual
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
N-001	466764-001	08/03/22 07:25	Water
N-002	466764-002	08/03/22 07:45	Water
N-003	466764-003	08/03/22 08:00	Water
N-004	466764-004	08/03/22 09:10	Water
L-001	466764-005	08/03/22 09:51	Water
L-002	466764-006	08/03/22 08:50	Water
L-003	466764-007	08/03/22 10:02	Water
L-004	466764-008	08/03/22 08:26	Water
L-005	466764-009	08/03/22 08:10	Water
L-006	466764-010	08/03/22 08:20	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 466764 Project No: MALIBU Location: Annual Date Received: 08/03/22

This data package contains sample and QC results for ten water samples, requested for the above referenced project on 08/03/22. The samples were received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- Many samples were diluted due to high non-target analytes.
- No other analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Nitrogen, by Calculation (TOTAL NITROGEN):
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		Lab No: 466764		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:		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	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)	Test Instructions / Comments
N-001	8/3	7:25	water	x4		X	X	X	X	
N-002		7:45				X	X	X	X	
N-003		8:00				X	X	X	X	
N-004		8:10				X	X	X	X	
L-001		8:51				X	X	X	X	
L-002		8:50				X	X	X	X	
L-003		10:02				X	X	X	X	
L-004		8:26				X	X	X	X	
L-005		8:10				X	X	X	X	
L-006		8:20				X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Lindsey Stockton	RINCON	8/3 10:18
1 Received By:		Jon Bridgen	Rincon	8/3 10:18
2 Relinquished By:		Jon Bridgen	Rincon	8-3 1446
2 Received By:		G Gawat	EA	8.3.22 1446
3 Relinquished By:		G Gawat	EA	8.3.22 1728

Zain P. 11.0 / 4.1 EA/GL 8/03/22 1728

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: MALIBU - ANNUAL

Date Received: 8/05/22 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: 11.0 °C #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 some 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: 4.1 °C #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: 8/03/22

ENTHALPY ANALYTICAL

Analysis Results for 466764

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466764
Project No: MALIBU
Location: Annual
Date Received: 08/03/22

Sample ID: N-001 **Lab ID: 466764-001** **Collected: 08/03/22 07:25**
Matrix: Water

466764-001 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	0.20	10	294258	08/03/22 12:00	08/04/22 20:08	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 20:08	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 20:08	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.50**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.18**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.68**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.090**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.68**		mg/L			1	294799	08/10/22	08/10/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466764

Sample ID: N-002	Lab ID: 466764-002	Collected: 08/03/22 07:45
	Matrix: Water	

466764-002 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	0.20	10	294258	08/03/22 12:00	08/04/22 20:25	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 20:25	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 20:25	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.44**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.13**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.57**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.095**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.57**		mg/L			1	294799	08/10/22	08/10/22	SLL

Sample ID: N-003	Lab ID: 466764-003	Collected: 08/03/22 08:00
	Matrix: Water	

466764-003 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	0.20	10	294258	08/03/22 12:00	08/04/22 14:14	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 14:14	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 14:14	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.35**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.19**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.54**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.18**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.54**		mg/L			1	294799	08/10/22	08/10/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466764

Sample ID: N-004 **Lab ID: 466764-004** **Collected: 08/03/22 09:10**
Matrix: Water

466764-004 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	0.20	10	294258	08/03/22 12:00	08/04/22 20:42	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 20:42	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 20:42	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.58**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.58**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.58**		mg/L			1	294799	08/10/22	08/10/22	SLL

Sample ID: L-001 **Lab ID: 466764-005** **Collected: 08/03/22 09:51**
Matrix: Water

466764-005 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	0.20	10	294258	08/03/22 12:00	08/04/22 20:59	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	294258	08/03/22 12:00	08/04/22 04:20	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	294258	08/03/22 12:00	08/04/22 20:59	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.48**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.48**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.18**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.48**		mg/L			1	294799	08/10/22	08/10/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466764

Sample ID: L-002 **Lab ID: 466764-006** **Collected: 08/03/22 08:50**
Matrix: Water

466764-006 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	0.20	10	294258	08/03/22 12:00	08/04/22 21:16	RKV
Nitrogen, Nitrate	**0.22**		mg/L	0.10	0.03	1	294258	08/03/22 12:00	08/04/22 04:37	RKV
Nitrogen, Nitrate/Nitrite	**0.22**		mg/L	0.10		10	294258	08/03/22 12:00	08/04/22 21:16	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.84**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.84**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**31**		MPN/100ml	2.0		2	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>4,800**		MPN/100ml	2.0		2	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**1.1**		mg/L			1	294799	08/10/22	08/10/22	SLL

Sample ID: L-003 **Lab ID: 466764-007** **Collected: 08/03/22 10:02**
Matrix: Water

466764-007 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	0.20	10	294258	08/03/22 12:00	08/04/22 22:06	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 22:06	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 22:06	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.61**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.095**	J	mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.70**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.70**		mg/L			1	294799	08/10/22	08/10/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466764

Sample ID: L-004 **Lab ID: 466764-008** **Collected: 08/03/22 08:26**
Matrix: Water

466764-008 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	0.20	10	294258	08/03/22 12:00	08/04/22 22:23	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 22:23	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 22:23	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.79**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.096**	J	mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.89**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.23**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.89**		mg/L			1	294799	08/10/22	08/10/22	SLL

Sample ID: L-005 **Lab ID: 466764-009** **Collected: 08/03/22 08:10**
Matrix: Water

466764-009 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	0.20	10	294258	08/03/22 12:00	08/04/22 22:40	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 22:40	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 22:40	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**8.1**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.25**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**8.3**		mg/L	2.0	0.62	5	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**1.1**		mg/L	0.10	0.027	5	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**8.3**		mg/L			1	294799	08/10/22	08/10/22	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466764

Sample ID: L-006	Lab ID: 466764-010	Collected: 08/03/22 08:20
	Matrix: Water	

466764-010 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	0.20	10	294258	08/03/22 12:00	08/04/22 22:57	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	294258	08/03/22 12:00	08/04/22 22:57	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	294258	08/03/22 12:00	08/04/22 22:57	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.92**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.082**	J	mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**1.0**		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: TOTAL NITROGEN										
Total Nitrogen	**1.0**		mg/L			1	294799	08/10/22	08/10/22	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:** QC1004303	**Batch:** 294258
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004303 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/03/22 10:00	08/03/22 11:27
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/03/22 10:00	08/03/22 11:27
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/03/22 10:00	08/03/22 11:27

Type: Lab Control Sample	**Lab ID:** QC1004304	**Batch:** 294258
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004304 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	2.475	2.283	mg/L	108%		90-110
Nitrogen, Nitrate	2.399	2.259	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID:** QC1004388	**Batch:** 294258
Matrix (Source ID): Water (466767-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004388 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.806	ND	1.827	mg/L	99%		80-120	1
Nitrogen, Nitrate	2.466	0.4765	1.807	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1004389	**Batch:** 294258
Matrix (Source ID): Water (466767-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.844	ND	1.827	mg/L	101%		80-120	2	20	1
Nitrogen, Nitrate	2.493	0.4765	1.807	mg/L	112%		80-120	1	20	1

Type: Blank	**Lab ID:** QC1005603	**Batch:** 294678
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1005603 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

Type: Lab Control Sample	**Lab ID:** QC1005604	**Batch:** 294678
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1005604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.429	2.500	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC1005605 | **Batch:** 294678
Matrix (Source ID): Water (466836-001) | **Method:** SM 4500-NH3-G

QC1005605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.527	0.1060	2.500	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1005606 | **Batch:** 294678
Matrix (Source ID): Water (466836-001) | **Method:** SM 4500-NH3-G

QC1005606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.554	0.1060	2.500	mg/L	98%		80-120	1	20	1

Type: Blank | **Lab ID:** QC1005763 | **Batch:** 294755
Matrix: Water | **Method:** SM 4500-NH3-G

QC1005763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample | **Lab ID:** QC1005764 | **Batch:** 294755
Matrix: Water | **Method:** SM 4500-NH3-G

QC1005764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.691	2.500	mg/L	108%		80-120

Type: Matrix Spike | **Lab ID:** QC1005765 | **Batch:** 294755
Matrix (Source ID): Water (466764-001) | **Method:** SM 4500-NH3-G

QC1005765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.04	0.6826	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC1005766 | **Batch:** 294755
Matrix (Source ID): Water (466764-001) | **Method:** SM 4500-NH3-G

QC1005766 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.38	0.6826	12.50	mg/L	102%		80-120	3	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1006289**	**Batch: 294923**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC1006289 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/11/22	08/11/22

Type: Lab Control Sample	**Lab ID: QC1006290**	**Batch: 294923**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC1006290 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3970	0.4000	mg/L	99%		80-120

Type: Matrix Spike	**Lab ID: QC1006291**	**Batch: 294923**
Matrix (Source ID): Water (466831-001)	**Method: SM 4500-P-B5-E**	

QC1006291 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.108	0.1170	1.000	mg/L	99%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID: QC1006292**	**Batch: 294923**
Matrix (Source ID): Water (466831-001)	**Method: SM 4500-P-B5-E**	

QC1006292 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.105	0.1170	1.000	mg/L	99%		75-125	0	20	2.5

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

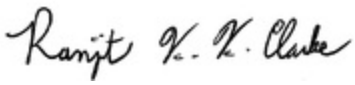
Lab Job Number: 466767
Report Level: II
Report Date: 08/15/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466767
Project No:	MALIBU
Location:	Annual
Date Received:	08/03/22

Sample ID	Lab ID	Collected	Matrix
MCPW-MW10	466767-001	08/03/22 09:05	Water

Case Narrative

Rincon Consultants - Ventura	Lab Job Number: 466767
2060 Knoll Drive	Project No: MALIBU
Unit B	Location: Annual
Ventura, CA 93001	Date Received: 08/03/22
Kiernan Brtalik	

This data package contains sample and QC results for one water sample, requested for the above referenced project on 08/03/22. The sample was received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):
No 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 Dissolved Solids (TDS) (SM2540C):
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: 466767	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:	20-09665
Email:	KBrtalik@rinconconsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Jon B, Landon L

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
[redacted]						X	X	X	X	X		
MCWP-MW10	8.3.22	0905	GW	5	✓	X	X	X	X	X		
[redacted]						X	X	X	X	X		
[redacted]						X	X	X	X	X		
[redacted]						X	X	X	X	X		
[redacted]						X	X	X	X	X		
[redacted]						X	X	X	X	X		
[redacted]										X	X	
[redacted]										X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jon Bridgeman	Rincon	8.3 1446
[1] Received By:		EGawat	EA	8.3 / 1446
[2] Relinquished By:		EGawat	EA	8.3 / 1728
[2] Received By:		ZAID PADILLA	EA/GL	8/03/22 1728
[3] Relinquished By:				
[3] Received By:				

5.1 / 3.8

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: MALIBU - ANNUAL

Date Received: 8/03/22 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 °C #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 °C #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: 8/03/22

ENTHALPY ANALYTICAL

Analysis Results for 466767

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466767
Project No: MALIBU
Location: Annual
Date Received: 08/03/22

Sample ID: MCPW-MW10 **Lab ID: 466767-001** **Collected: 08/03/22 09:05**
Matrix: Water

466767-001 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	294258	08/03/22 12:00	08/04/22 06:35	RKV
Nitrogen, Nitrate	**0.48**		mg/L	0.10	0.03	1	294258	08/03/22 12:00	08/04/22 06:35	RKV
Nitrogen, Nitrate/Nitrite	**0.48**		mg/L	0.10		1	294258	08/03/22 12:00	08/04/22 06:35	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.069**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Coliform, Total	**48**		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294293	08/03/22 19:13	08/04/22 14:58	AJL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,000**		mg/L	20		2	294481	08/04/22	08/05/22	DNA

< Value is less than indicated concentration
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1004303	**Batch:** 294258
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004303 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/03/22 10:00	08/03/22 11:27
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/03/22 10:00	08/03/22 11:27
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/03/22 10:00	08/03/22 11:27

Type: Lab Control Sample	**Lab ID:** QC1004304	**Batch:** 294258
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004304 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	2.475	2.283	mg/L	108%		90-110
Nitrogen, Nitrate	2.399	2.259	mg/L	106%		90-110

Type: Matrix Spike	**Lab ID:** QC1004388	**Batch:** 294258
Matrix (Source ID): Water (466767-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004388 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.806	ND	1.827	mg/L	99%		80-120	1
Nitrogen, Nitrate	2.466	0.4765	1.807	mg/L	110%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1004389	**Batch:** 294258
Matrix (Source ID): Water (466767-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.844	ND	1.827	mg/L	101%		80-120	2	20	1
Nitrogen, Nitrate	2.493	0.4765	1.807	mg/L	112%		80-120	1	20	1

Type: Blank	**Lab ID:** QC1005603	**Batch:** 294678
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1005603 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

Type: Lab Control Sample	**Lab ID:** QC1005604	**Batch:** 294678
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1005604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.429	2.500	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC1005605 | **Batch:** 294678
Matrix (Source ID): Water (466836-001) | **Method:** SM 4500-NH3-G

QC1005605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.527	0.1060	2.500	mg/L	97%		80-120	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1005606 | **Batch:** 294678
Matrix (Source ID): Water (466836-001) | **Method:** SM 4500-NH3-G

QC1005606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.554	0.1060	2.500	mg/L	98%		80-120	1	20	1

Type: Blank | **Lab ID:** QC1005763 | **Batch:** 294755
Matrix: Water | **Method:** SM 4500-NH3-G

QC1005763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample | **Lab ID:** QC1005764 | **Batch:** 294755
Matrix: Water | **Method:** SM 4500-NH3-G

QC1005764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.691	2.500	mg/L	108%		80-120

Type: Matrix Spike | **Lab ID:** QC1005765 | **Batch:** 294755
Matrix (Source ID): Water (466764-001) | **Method:** SM 4500-NH3-G

QC1005765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.04	0.6826	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC1005766 | **Batch:** 294755
Matrix (Source ID): Water (466764-001) | **Method:** SM 4500-NH3-G

QC1005766 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.38	0.6826	12.50	mg/L	102%		80-120	3	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC1006289** **Batch: 294923**
Matrix: Water **Method: SM 4500-P-B5-E**

QC1006289 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/11/22	08/11/22

Type: Lab Control Sample **Lab ID: QC1006290** **Batch: 294923**
Matrix: Water **Method: SM 4500-P-B5-E**

QC1006290 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3970	0.4000	mg/L	99%		80-120

Type: Matrix Spike **Lab ID: QC1006291** **Batch: 294923**
Matrix (Source ID): Water (466831-001) **Method: SM 4500-P-B5-E**

QC1006291 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.108	0.1170	1.000	mg/L	99%		75-125	2.5

Type: Matrix Spike Duplicate **Lab ID: QC1006292** **Batch: 294923**
Matrix (Source ID): Water (466831-001) **Method: SM 4500-P-B5-E**

QC1006292 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.105	0.1170	1.000	mg/L	99%		75-125	0	20	2.5

Type: Blank **Lab ID: QC1004994** **Batch: 294481**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1004994 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/04/22	08/05/22

Type: Lab Control Sample **Lab ID: QC1004995** **Batch: 294481**
Matrix: Water **Method: SM2540C** **Prep Method: METHOD**

QC1004995 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	356.0	342.0	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1004996**	**Batch:**	**294481**
Matrix (Source ID):	**Water (466767-001)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1004996 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,066	2024	mg/L		2	5	2

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

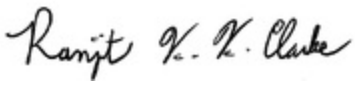
Lab Job Number: 466831
Report Level: II
Report Date: 10/10/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466831
Project No:	MALIBU
Location:	Annual
Date Received:	08/04/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	466831-001	08/04/22 10:50	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 466831 Project No: MALIBU Location: Annual Date Received: 08/04/22

This data package contains sample and QC results for one water sample, requested for the above referenced project on 08/04/22. The sample was received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

- Low response was observed for 2-chloroethylvinylether in the calibration analyzed 07/26/22 06:41; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- Low response was observed for 2-chloroethylvinylether in the CCV/LCS analyzed 08/10/22 10:11; this analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- SMBRP-9 (lab # 466831-001) had pH greater than 2.
- No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 524.2):

- 1,2,4-trichlorobenzene was detected between the MDL and the RL in the method blank for batch 294335; this analyte was not detected in the sample at or above the RL.
- SMBRP-9 (lab # 466831-001) had pH greater than 2.
- No other analytical problems were encountered.

Metals (CALCULATION):

No analytical problems were encountered.

Metals (EPA 200.7, EPA 200.8, EPA 245.1, and EPA 245.1):

- High response was observed for boron in the ICV analyzed 08/05/22 12:42; affected data was qualified with "b".
- Antimony was detected at or above the RL in the CCB analyzed 08/05/22 15:12; this analyte was detected in the sample between LOD and RL, was not detected at or above the RL in the associated sample, and affected data was qualified with "b".
- Antimony was detected at or above the RL in the CCB analyzed 08/05/22 14:40; this analyte was detected in samples between LOD and RL, was not detected at or above the RL in the associated samples, and affected data was qualified with "b".
- A number of analytes were detected between the MDL and the RL in the method blank for batch 294423; these analytes were detected in the sample at a level at least 10 times that of the blank.
- A number of analytes were detected between the MDL and the RL in the method blank for batch 294414.
- No other analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- Responses exceeding the instrument's linear range were observed for nitrogen, nitrate in the MS/MSD for batch 294366; affected data was qualified with "E".
- Chloride was detected between the MDL and the RL in the method blank for batch 294366; this analyte was detected in the sample at a level at least 10 times that of the blank.
- No other analytical problems were encountered.

Perchlorate by Ion Chromatography (EPA 314.0):
No analytical problems were encountered.

Total Carbon by High-Temperature Combust (SM 5310B):
No analytical problems were encountered.

Fluoride by ISE (SM 4500-F-C):
No analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):
No analytical problems were encountered.

Total Cyanide, Manual Colorimetric (SM 4500-CN-E):
No analytical problems were encountered.

Alkalinity (SM2320B):
No analytical problems were encountered.

CCPP (SM 2330B):
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.

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):

- MBAS are calculated and reported as Linear Anionic Surfactants with a molecular weight of 348 g/mol.
- 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.

EPA 100.2 Asbestos (EPA 100.2 Asbestos):
SGS Forensic in Hayward, CA performed the analysis (see sublab report section for certifications). Please see the SGS Forensic case narrative.

EPA 1613B - 2,3,7,8-TCDD only (EPA 1613B):
Enthalpy - Wilmington in Wilmington, NC performed the analysis (see sublab report section for certifications). Please see the Enthalpy - Wilmington case narrative.

EPA 508 Chlorinated Pesticides (EPA 508):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 525.2 Semi-Volatile Organics (EPA 525.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 547 Glyphosate (EPA 547):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 548.1 Endothall (EPA 548.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 549.2 Diquat (EPA 549.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 900.0 Gross Alpha and Beta (EPA 900.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 903.1 Radium-226 (EPA 903.1):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 904.0 Radium-228 (EPA 904.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 906.0 Tritium (EPA 906.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 905.0 Strontium-90 (EPA 905.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

Chlorinated Acids in Drinking Water (EPA 515.4):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 525.3 Pesticides - SUB (EPA 552.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 908.1 Uranium in Water - OUT (EPA 908.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (see sublab report section for certifications). Please see the Pace Analytical - Greensburg case narrative.

EPA 1625 Isotope Dilution (EPA 1625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

Bromate EPA 300.1 -OUT (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 1664A Total O&G - OUT (EPA 1664A):
Eurofins Southwest in Tustin, CA performed the analysis (see sublab report section for certifications). Please see the Eurofins Southwest case narrative.

EPA 1694 Pharma, PCP by HPLC/MS/MS (EPA 1694):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 218.6 Hexavalent Chromium by IC (EPA 218.6):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 300.1 Chlorite by IC (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 524.3 (EPA 524.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 531.2 (EPA 531.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

EPA 625.1 (EPA 625.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (see sublab report section for certifications). Please see the Weck Laboratories, Inc. case narrative.

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 460831	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		

ENTHALPY analytical, inc.

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:		Global ID:	
Cell:		Sampled By:	LANDON L.

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 625 LL SVOCs	EPA 524.2 VOCs (inc. 2-CEVE, A/A)	Test Instructions / Comments
SMBRP-9	8/4/22	1050	GW	53	✓	X	X	X	X	X	X	X	X	X	X	3.5/1.8
[redacted]						X	X	X	X	X	X	X	X	X	X	
[redacted]						X	X	X	X	X	X	X	X	X	X	
[redacted]						X	X	X	X	X	X	X	X	X	X	
[redacted]						X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D						X	X	X	X	X	X	X	X	X	X	
[redacted]						X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	LANDON LUJAN	Rincon	8/4/22 / 1420
[1] Received By:	[signature]	Gerardo Gawat	EA	8.4.22 / 1421
[2] Relinquished By:	[signature]	Gerardo Gawat	EA	8.4.22 / 1635
[2] Received By:	[signature]	GCm	EA	8/4/22 1635
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu Annual

Date Received: 8/4/22 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: 1.8 #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

Missing pages 2 and 3

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/4/22

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 466831

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466831
Project No: MALIBU
Location: Annual
Date Received: 08/04/22

Sample ID: SMBRP-9 **Lab ID: 466831-001** **Collected: 08/04/22 10:50**
Matrix: Water

466831-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: CALCULATION Prep Method: EPA 200.8										
Chromium Trivalent	**2.4**		ug/L	1.0		1	294414	08/05/22	10/07/22	KAM
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.59**		mg/L	0.050	0.0080	1	294423	08/05/22	08/06/22	SBW
Calcium	**66**		mg/L	0.10	0.021	1	294423	08/05/22	08/06/22	SBW
Iron	**1.3**		mg/L	0.020	0.0066	1	294423	08/05/22	08/06/22	SBW
Magnesium	**180**		mg/L	0.10	0.049	1	294423	08/05/22	08/06/22	SBW
Manganese	**0.034**		mg/L	0.010	0.00061	1	294423	08/05/22	08/06/22	SBW
Potassium	**1.2**		mg/L	0.50	0.18	1	294423	08/05/22	08/06/22	SBW
Sodium	**250**		mg/L	0.50	0.035	1	294423	08/05/22	08/06/22	SBW
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**1,500**		ug/L	10	3.2	1	294414	08/05/22	08/05/22	THP
Antimony	**0.25**	B,J,b	ug/L	0.50	0.060	1	294414	08/05/22	08/05/22	THP
Arsenic	**2.9**	B	ug/L	2.0	0.38	1	294414	08/05/22	08/05/22	THP
Barium	**51**		ug/L	5.0	0.28	1	294414	08/05/22	08/05/22	THP
Beryllium	**0.059**	J	ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Cadmium	ND		ug/L	0.20	0.033	1	294414	08/05/22	08/05/22	THP
Chromium	**5.6**	B	ug/L	1.0	0.48	1	294414	08/05/22	08/05/22	THP
Copper	**3.7**		ug/L	0.50	0.050	1	294414	08/05/22	08/05/22	THP
Lead	**0.76**		ug/L	0.50	0.044	1	294414	08/05/22	08/05/22	THP
Nickel	**5.2**		ug/L	1.0	0.20	1	294414	08/05/22	08/05/22	THP
Selenium	**3.5**		ug/L	2.0	0.27	1	294414	08/05/22	08/05/22	THP
Silver	ND		ug/L	0.20	0.025	1	294414	08/05/22	08/05/22	THP
Thallium	ND		ug/L	1.0	0.23	1	294414	08/05/22	08/05/22	THP
Zinc	**5.4**	J	ug/L	10	4.2	1	294414	08/05/22	08/05/22	THP
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.11	1	294450	08/06/22	08/06/22	TNN
Method: EPA 300.0 Prep Method: METHOD										
Fluoride	**0.84**		mg/L	0.20	0.081	1	294366	08/04/22 14:19	08/05/22 01:29	RKV

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466831

466831-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Chloride	**200**		mg/L	10	5.0	10	294366	08/04/22 14:19	08/05/22 01:46	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	294366	08/04/22 14:19	08/05/22 01:29	RKV
Nitrogen, Nitrate	**13**		mg/L	1.0	0.32	10	294366	08/04/22 14:19	08/05/22 01:46	RKV
Sulfate	**270**		mg/L	10	2.5	10	294366	08/04/22 14:19	08/05/22 01:46	RKV
Nitrogen, Nitrate/Nitrite	**13**		mg/L	0.10		1	294366	08/04/22 14:19	08/05/22 01:29	RKV
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.78	1	294671	08/10/22	08/10/22	RKV
Method: EPA 524.2 Prep Method: METHOD										
1,1-Dichloroethene	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Benzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Trichloroethene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Toluene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Chlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Chloromethane	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Vinyl Chloride	ND		ug/L	0.50	0.12	1	294335	08/05/22	08/05/22	ILK
Bromomethane	ND		ug/L	1.0	0.17	1	294335	08/05/22	08/05/22	ILK
Chloroethane	ND		ug/L	0.50	0.16	1	294335	08/05/22	08/05/22	ILK
Trichlorofluoromethane	ND		ug/L	0.50	0.15	1	294335	08/05/22	08/05/22	ILK
Freon 113	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Methylene Chloride	ND		ug/L	0.50	0.36	1	294335	08/05/22	08/05/22	ILK
MTBE	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
1,1-Dichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
Chloroform	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,1,1-Trichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Carbon Tetrachloride	ND		ug/L	0.50	0.14	1	294335	08/05/22	08/05/22	ILK
1,2-Dichloroethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2-Dichloropropane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Bromodichloromethane	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
1,1,2-Trichloroethane	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Tetrachloroethene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Dibromochloromethane	ND		ug/L	0.50	0.13	1	294335	08/05/22	08/05/22	ILK
Ethylbenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
m,p-Xylenes	ND		ug/L	1.0	0.10	1	294335	08/05/22	08/05/22	ILK
Styrene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
Bromoform	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	1	294335	08/05/22	08/05/22	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466831

466831-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,3-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,4-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2-Dichlorobenzene	ND		ug/L	0.50	0.10	1	294335	08/05/22	08/05/22	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.11	1	294335	08/05/22	08/05/22	ILK
Method: EPA 8260B Prep Method: EPA 5030B										
2-Chloroethylvinylether	ND	b	ug/L	50	0.6	1	294758	08/10/22	08/10/22	ILK
Acrolein	ND		ug/L	200	1.2	1	294510	08/07/22	08/07/22	ILK
Acrylonitrile	ND		ug/L	10	0.6	1	294510	08/07/22	08/07/22	ILK
Surrogates				**Limits**						
Dibromofluoromethane	99%		%REC	70-140		1	294510	08/07/22	08/07/22	ILK
1,2-Dichloroethane-d4	101%		%REC	70-140	4.9	1	294510	08/07/22	08/07/22	ILK
Toluene-d8	102%		%REC	70-140	5.2	1	294510	08/07/22	08/07/22	ILK
Bromofluorobenzene	100%		%REC	70-140	4.9	1	294510	08/07/22	08/07/22	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	294400	08/04/22 18:31	08/04/22 18:31	LVL
Method: SM 2330B										
CCPP	**0.19**		SU			1	294898	08/11/22	08/11/22	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	**0.089**	H,J	mg/L	0.10	0.026	1	294422	08/05/22 09:23	08/05/22 09:23	ATP
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0034	1	295069	08/15/22	08/15/22	ATP
Method: SM 4500-F-C										
Fluoride	**0.92**		mg/L	0.10	0.0059	1	294990	08/12/22	08/12/22	LVL
Method: SM 4500-H+ B										
pH	**7.24**	H	SU			1	294440	08/04/22 18:17	08/04/22 18:17	LVL
Temperature	**17.30**	H	deg C	1.00		1	294440	08/04/22 18:17	08/04/22 18:17	LVL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	294687	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.13**	J	mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.23	1	294485	08/05/22	08/05/22	ATP
Method: SM 9223Bb										
Coliform, Total	**56**		MPN/100ml	1.0		1	294401	08/04/22 18:40	08/05/22 13:42	AJL
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294401	08/04/22 18:40	08/05/22 13:42	AJL
Method: SM2120B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466831

466831-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Color	**30**		ColorUnits	5		1	294445	08/04/22 18:31	08/04/22 18:31	LVL
Method: SM2130B										
Turbidity	**41**		NTU	0.20	0.04	2	294444	08/04/22 18:31	08/04/22 18:31	LVL
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**800**		mg/L	13		2.5	294863	08/10/22	08/10/22	WWC
Carbonate	ND		mg/L	13		2.5	294863	08/10/22	08/10/22	WWC
Hydroxide	ND		mg/L	13		2.5	294863	08/10/22	08/10/22	WWC
Alkalinity, Total as CaCO3	**660**		mg/L	13		2.5	294863	08/10/22	08/10/22	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	294682	08/09/22	08/10/22	DNA
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**54**		mg/L	0.6		1.1	294750	08/05/22	08/05/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	294451	08/05/22 10:31	08/10/22 11:46	WWC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	294916	08/05/22 09:20	08/05/22 18:07	LVL

<	Value is less than indicated concentration
B	Contamination found in associated Method Blank
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:** QC1004811	**Batch:** 294423
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004811 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	08/05/22	08/05/22
Calcium	ND		mg/L	0.10	0.021	08/05/22	08/05/22
Iron	0.011	J	mg/L	0.020	0.0066	08/05/22	08/09/22
Magnesium	0.079	J	mg/L	0.10	0.049	08/05/22	08/05/22
Manganese	0.00068	J	mg/L	0.010	0.00061	08/05/22	08/05/22
Potassium	ND		mg/L	0.50	0.18	08/05/22	08/05/22
Sodium	0.060	J	mg/L	0.50	0.035	08/05/22	08/05/22

Type: Lab Control Sample	**Lab ID:** QC1004812	**Batch:** 294423
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004812 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4158	0.4000	mg/L	104%	b	85-115
Calcium	19.68	18.40	mg/L	107%		85-115
Iron	0.4246	0.4000	mg/L	106%		85-115
Magnesium	20.35	18.40	mg/L	111%		85-115
Manganese	0.4157	0.4000	mg/L	104%		85-115
Potassium	22.18	22.00	mg/L	101%		85-115
Sodium	18.79	18.40	mg/L	102%		85-115

Type: Matrix Spike	**Lab ID:** QC1004813	**Batch:** 294423
Matrix (Source ID): Water (466782-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1004813 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.6598	0.2635	0.4000	mg/L	99%		75-125	1
Calcium	40.17	17.96	19.40	mg/L	114%		75-125	1
Iron	0.4005	0.01253	0.4000	mg/L	97%		75-125	1
Magnesium	25.64	3.503	19.40	mg/L	114%		75-125	1
Manganese	0.3786	0.004787	0.4000	mg/L	93%		75-125	1
Potassium	25.67	1.192	23.00	mg/L	106%		75-125	1
Sodium	122.7	97.26	19.40	mg/L	131%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004814**	**Batch:**	**294423**
Matrix (Source ID):	**Water (466782-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC1004814 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.6341	0.2635	0.4000	mg/L	93%		75-125	4	20	1
Calcium	39.23	17.96	19.40	mg/L	110%		75-125	2	20	1
Iron	0.3885	0.01253	0.4000	mg/L	94%		75-125	3	20	1
Magnesium	25.30	3.503	19.40	mg/L	112%		75-125	1	20	1
Manganese	0.3659	0.004787	0.4000	mg/L	90%		75-125	3	20	1
Potassium	25.11	1.192	23.00	mg/L	104%		75-125	2	20	1
Sodium	119.3	97.26	19.40	mg/L	113%	NM	75-125	3	20	1

Type:	**Blank**	**Lab ID:**	**QC1004782**	**Batch:**	**294414**
Matrix:	**Water**				

QC1004782 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Method: CALCULATION Prep Method: EPA 200.8							
Chromium Trivalent	ND		ug/L	1.0		08/05/22	10/07/22
Method: EPA 200.8 Prep Method: EPA 200.8							
Aluminum	ND		ug/L	10	3.2	08/05/22	08/05/22
Antimony	0.073	J,b	ug/L	0.50	0.060	08/05/22	08/05/22
Arsenic	0.44	J	ug/L	2.0	0.38	08/05/22	08/05/22
Barium	ND		ug/L	5.0	0.28	08/05/22	08/05/22
Beryllium	ND		ug/L	0.50	0.050	08/05/22	08/05/22
Cadmium	ND		ug/L	0.20	0.033	08/05/22	08/05/22
Chromium	0.92	J	ug/L	1.0	0.48	08/05/22	08/05/22
Copper	0.19	J	ug/L	0.50	0.050	08/05/22	08/05/22
Lead	ND		ug/L	0.50	0.044	08/05/22	08/05/22
Nickel	ND		ug/L	1.0	0.20	08/05/22	08/05/22
Selenium	ND		ug/L	2.0	0.27	08/05/22	08/05/22
Silver	ND		ug/L	0.20	0.025	08/05/22	08/05/22
Thallium	ND		ug/L	1.0	0.23	08/05/22	08/05/22
Zinc	ND		ug/L	10	4.2	08/05/22	08/05/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1004783	**Batch:** 294414
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC1004783 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	96.82	100.0	ug/L	97%		85-115
Antimony	107.1	100.0	ug/L	107%		85-115
Arsenic	101.2	100.0	ug/L	101%		85-115
Barium	100.0	100.0	ug/L	100%		85-115
Beryllium	109.8	100.0	ug/L	110%		85-115
Cadmium	102.8	100.0	ug/L	103%		85-115
Chromium	103.2	100.0	ug/L	103%		85-115
Copper	101.9	100.0	ug/L	102%		85-115
Lead	93.85	100.0	ug/L	94%		85-115
Nickel	103.0	100.0	ug/L	103%		85-115
Selenium	102.5	100.0	ug/L	103%		85-115
Silver	49.14	50.00	ug/L	98%		85-115
Thallium	92.30	100.0	ug/L	92%		85-115
Zinc	105.3	100.0	ug/L	105%		85-115

Type: Matrix Spike	**Lab ID:** QC1004788	**Batch:** 294414
Matrix (Source ID): Water (466803-001)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC1004788 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	91.17	ND	100.0	ug/L	91%		70-130	1
Antimony	102.8	ND	100.0	ug/L	103%		70-130	1
Arsenic	98.13	0.6000	100.0	ug/L	98%		70-130	1
Barium	93.35	ND	100.0	ug/L	93%		70-130	1
Beryllium	108.1	ND	100.0	ug/L	108%		70-130	1
Cadmium	98.77	ND	100.0	ug/L	99%		70-130	1
Chromium	99.42	1.239	100.0	ug/L	98%		70-130	1
Copper	96.84	0.07200	100.0	ug/L	97%		70-130	1
Lead	87.24	ND	100.0	ug/L	87%		70-130	1
Nickel	97.27	ND	100.0	ug/L	97%		70-130	1
Selenium	98.61	0.3280	100.0	ug/L	98%		70-130	1
Silver	45.99	ND	50.00	ug/L	92%		70-130	1
Thallium	86.63	ND	100.0	ug/L	87%		70-130	1
Zinc	101.1	ND	100.0	ug/L	101%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1004789	**Batch:**	294414
Matrix (Source ID):	Water (466803-001)	**Method:**	EPA 200.8	**Prep Method:**	EPA 200.8

QC1004789 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aluminum	90.38	ND	100.0	ug/L	90%		70-130	1	20	1
Antimony	102.1	ND	100.0	ug/L	102%		70-130	1	20	1
Arsenic	97.84	0.6000	100.0	ug/L	97%		70-130	0	20	1
Barium	92.67	ND	100.0	ug/L	93%		70-130	1	20	1
Beryllium	107.3	ND	100.0	ug/L	107%		70-130	1	20	1
Cadmium	97.71	ND	100.0	ug/L	98%		70-130	1	20	1
Chromium	97.37	1.239	100.0	ug/L	96%		70-130	2	20	1
Copper	95.67	0.07200	100.0	ug/L	96%		70-130	1	20	1
Lead	86.67	ND	100.0	ug/L	87%		70-130	1	20	1
Nickel	95.79	ND	100.0	ug/L	96%		70-130	2	20	1
Selenium	98.90	0.3280	100.0	ug/L	99%		70-130	0	20	1
Silver	45.73	ND	50.00	ug/L	91%		70-130	1	20	1
Thallium	85.99	ND	100.0	ug/L	86%		70-130	1	20	1
Zinc	100.4	ND	100.0	ug/L	100%		70-130	1	20	1

Type:	Blank	**Lab ID:**	QC1004892	**Batch:**	294450
Matrix:	Water	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004892 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.11	08/06/22	08/06/22

Type:	Lab Control Sample	**Lab ID:**	QC1004893	**Batch:**	294450
Matrix:	Water	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004893 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	4.989	5.000	ug/L	100%		80-120

Type:	Matrix Spike	**Lab ID:**	QC1004894	**Batch:**	294450
Matrix (Source ID):	Water (466789-001)	**Method:**	EPA 245.1	**Prep Method:**	METHOD

QC1004894 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.471	ND	5.000	ug/L	89%		75-125	1

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1004895	Batch:	294450
Matrix (Source ID):	Water (466789-001)	Method:	EPA 245.1	Prep Method:	METHOD

QC1004895 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.427	ND	5.000	ug/L	89%		75-125	1	20	1

Type:	Matrix Spike	Lab ID:	QC1004896	Batch:	294450
Matrix (Source ID):	Water (466808-001)	Method:	EPA 245.1	Prep Method:	METHOD

QC1004896 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	4.749	ND	5.000	ug/L	95%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1004897	Batch:	294450
Matrix (Source ID):	Water (466808-001)	Method:	EPA 245.1	Prep Method:	METHOD

QC1004897 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	4.790	ND	5.000	ug/L	96%		75-125	1	20	1

Type:	Blank	Lab ID:	QC1004646	Batch:	294366
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1004646 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.20	0.081	08/04/22 14:19	08/04/22 21:49
Chloride	0.66	J	mg/L	1.0	0.50	08/04/22 14:19	08/04/22 21:49
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/04/22 14:19	08/04/22 21:49
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/04/22 14:19	08/04/22 21:49
Sulfate	ND		mg/L	1.0	0.25	08/04/22 14:19	08/04/22 21:49
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/04/22 14:19	08/04/22 21:49

Type:	Lab Control Sample	Lab ID:	QC1004647	Batch:	294366
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1004647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	4.789	5.000	mg/L	96%		90-110
Chloride	25.76	25.00	mg/L	103%		90-110
Nitrogen, Nitrite	2.433	2.283	mg/L	107%		90-110
Nitrogen, Nitrate	2.370	2.259	mg/L	105%		90-110
Sulfate	13.10	12.50	mg/L	105%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1004648**	**Batch:**	**294366**
Matrix (Source ID):	**Water (466789-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004648 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	4.816	0.9508	4.000	mg/L	97%		80-120	1
Chloride	171.9	154.7	20.00	mg/L	86%	E,NM	80-120	1
Nitrogen, Nitrite	2.542	0.5607	1.827	mg/L	108%		80-120	1
Nitrogen, Nitrate	6.943	4.940	1.807	mg/L	111%	E	80-120	1
Sulfate	468.9	466.4	10.00	mg/L	26%	E,NM	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004649**	**Batch:**	**294366**
Matrix (Source ID):	**Water (466789-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004649 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	4.778	0.9508	4.000	mg/L	96%		80-120	1	20	1
Chloride	171.5	154.7	20.00	mg/L	84%	E,NM	80-120		20	1
Nitrogen, Nitrite	2.515	0.5607	1.827	mg/L	107%		80-120	1	20	1
Nitrogen, Nitrate	6.920	4.940	1.807	mg/L	110%	E	80-120		20	1
Sulfate	469.2	466.4	10.00	mg/L	28%	E,NM	80-120		20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1004650**	**Batch:**	**294366**
Matrix (Source ID):	**Water (466806-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004650 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	3.903	ND	4.000	mg/L	98%		80-120	1
Chloride	21.65	1.304	20.00	mg/L	102%		80-120	1
Nitrogen, Nitrite	1.990	ND	1.827	mg/L	109%		80-120	1
Nitrogen, Nitrate	2.151	0.1475	1.807	mg/L	111%		80-120	1
Sulfate	14.97	3.968	10.00	mg/L	110%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004651**	**Batch:**	**294366**
Matrix (Source ID):	**Water (466806-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004651 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	3.936	ND	4.000	mg/L	98%		80-120	1	20	1
Chloride	21.85	1.304	20.00	mg/L	103%		80-120	1	20	1
Nitrogen, Nitrite	2.010	ND	1.827	mg/L	110%		80-120	1	20	1
Nitrogen, Nitrate	2.176	0.1475	1.807	mg/L	112%		80-120	1	20	1
Sulfate	15.09	3.968	10.00	mg/L	111%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC1005556**	**Batch:**	**294671**
Matrix:	**Drinking Water**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC1005556 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.78	08/10/22	08/10/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005557**	**Batch:**	**294671**
Matrix:	**Drinking Water**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC1005557 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	51.28	50.00	ug/L	103%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC1005558**	**Batch:**	**294671**
Matrix (Source ID):	**Drinking Water (466774-008)**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC1005558 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	27.71	ND	25.00	ug/L	111%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1005559**	**Batch:**	**294671**
Matrix (Source ID):	**Drinking Water (466774-008)**	**Method:**	**EPA 314.0**	**Prep Method:**	**METHOD**

QC1005559 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	28.81	ND	25.00	ug/L	115%		80-120	4	15	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1004559		**Batch:** 294335
Matrix: Water	**Method:** EPA 524.2		**Prep Method:** METHOD

QC1004559 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Benzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Trichloroethene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Toluene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Chlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Chloromethane	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Vinyl Chloride	ND		ug/L	0.50	0.12	08/04/22	08/04/22
Bromomethane	ND		ug/L	1.0	0.17	08/04/22	08/04/22
Chloroethane	ND		ug/L	0.50	0.16	08/04/22	08/04/22
Trichlorofluoromethane	ND		ug/L	0.50	0.15	08/04/22	08/04/22
Freon 113	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Methylene Chloride	ND		ug/L	0.50	0.36	08/04/22	08/04/22
MTBE	ND		ug/L	0.50	0.10	08/04/22	08/04/22
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
1,1-Dichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.14	08/04/22	08/04/22
Chloroform	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,1,1-Trichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Carbon Tetrachloride	ND		ug/L	0.50	0.14	08/04/22	08/04/22
1,2-Dichloroethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2-Dichloropropane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Bromodichloromethane	ND		ug/L	0.50	0.10	08/04/22	08/04/22
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.13	08/04/22	08/04/22
1,1,2-Trichloroethane	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Tetrachloroethene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Dibromochloromethane	ND		ug/L	0.50	0.13	08/04/22	08/04/22
Ethylbenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
m,p-Xylenes	ND		ug/L	1.0	0.10	08/04/22	08/04/22
Styrene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
Bromoform	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.16	08/04/22	08/04/22
1,3-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,4-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2-Dichlorobenzene	ND		ug/L	0.50	0.10	08/04/22	08/04/22
1,2,4-Trichlorobenzene	0.12	J	ug/L	0.50	0.11	08/04/22	08/04/22
Surrogates				**Limits**			
Bromofluorobenzene	103%		%REC	70-140		08/04/22	08/04/22
1,2-Dichloroethane-d4	99%		%REC	70-140		08/04/22	08/04/22
Dibromofluoromethane	95%		%REC	70-140		08/04/22	08/04/22
Toluene-d8	97%		%REC	70-140		08/04/22	08/04/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1004560	Batch: 294335
Matrix: Water	Method: EPA 524.2	Prep Method: METHOD

QC1004560 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	7.648	10.00	ug/L	76%		70-135
Benzene	10.14	10.00	ug/L	101%		70-130
Trichloroethene	10.54	10.00	ug/L	105%		70-130
Toluene	9.462	10.00	ug/L	95%		70-130
Chlorobenzene	9.555	10.00	ug/L	96%		70-130
MTBE	10.04	10.00	ug/L	100%		70-130
Surrogates						
Bromofluorobenzene	12.90	12.50	ug/L	103%		70-140
1,2-Dichloroethane-d4	12.75	12.50	ug/L	102%		70-140
Dibromofluoromethane	12.10	12.50	ug/L	97%		70-140
Toluene-d8	12.28	12.50	ug/L	98%		70-140

Type: Lab Control Sample Duplicate	Lab ID: QC1004561	Batch: 294335
Matrix: Water	Method: EPA 524.2	Prep Method: METHOD

QC1004561 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	7.144	10.00	ug/L	71%		70-135	7	30
Benzene	9.856	10.00	ug/L	99%		70-130	3	30
Trichloroethene	10.24	10.00	ug/L	102%		70-130	3	30
Toluene	9.164	10.00	ug/L	92%		70-130	3	30
Chlorobenzene	9.388	10.00	ug/L	94%		70-130	2	30
MTBE	10.10	10.00	ug/L	101%		70-130	1	30
Surrogates								
Bromofluorobenzene	12.41	12.50	ug/L	99%		70-140		
1,2-Dichloroethane-d4	12.91	12.50	ug/L	103%		70-140		
Dibromofluoromethane	12.48	12.50	ug/L	100%		70-140		
Toluene-d8	11.85	12.50	ug/L	95%		70-140		

Type: Blank	Lab ID: QC1005093	Batch: 294510
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1005093 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrolein	ND		ug/L	200	1.2	08/07/22	08/07/22
Acrylonitrile	ND		ug/L	10	0.6	08/07/22	08/07/22
Surrogates				**Limits**			
Dibromofluoromethane	95%		%REC	70-140		08/07/22	08/07/22
1,2-Dichloroethane-d4	100%		%REC	70-140	4.9	08/07/22	08/07/22
Toluene-d8	102%		%REC	70-140	5.2	08/07/22	08/07/22
Bromofluorobenzene	102%		%REC	70-140	4.9	08/07/22	08/07/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC1005094	Batch: 294510
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1005094 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	54.87	50.00	ug/L	110%		70-135
Benzene	49.77	50.00	ug/L	100%		70-130
Trichloroethene	51.15	50.00	ug/L	102%		70-130
Toluene	49.25	50.00	ug/L	98%		70-130
Chlorobenzene	50.70	50.00	ug/L	101%		70-130
Surrogates						
Dibromofluoromethane	50.72	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	50.27	50.00	ug/L	101%		70-140
Toluene-d8	49.74	50.00	ug/L	99%		70-140
Bromofluorobenzene	51.52	50.00	ug/L	103%		70-140

Type: Lab Control Sample Duplicate	Lab ID: QC1005095	Batch: 294510
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1005095 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	56.46	50.00	ug/L	113%		70-135	3	30
Benzene	51.01	50.00	ug/L	102%		70-130	2	30
Trichloroethene	50.92	50.00	ug/L	102%		70-130	0	30
Toluene	48.73	50.00	ug/L	97%		70-130	1	30
Chlorobenzene	50.20	50.00	ug/L	100%		70-130	1	30
Surrogates								
Dibromofluoromethane	50.68	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	51.00	50.00	ug/L	102%		70-140		
Toluene-d8	48.96	50.00	ug/L	98%		70-140		
Bromofluorobenzene	48.34	50.00	ug/L	97%		70-140		

Type: Blank	Lab ID: QC1005776	Batch: 294758
Matrix: Water	Method: EPA 8260B	Prep Method: EPA 5030B

QC1005776 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
2-Chloroethylvinylether	ND	b	ug/L	50	0.6	08/10/22	08/10/22
Acrylonitrile	ND		ug/L	10	0.1	08/10/22	08/10/22
Surrogates				**Limits**			
Dibromofluoromethane	104%		%REC	70-140	1.8	08/10/22	08/10/22
1,2-Dichloroethane-d4	104%		%REC	70-140	9.2	08/10/22	08/10/22
Toluene-d8	100%		%REC	70-140	3.9	08/10/22	08/10/22
Bromofluorobenzene	98%		%REC	70-140		08/10/22	08/10/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1005777	**Batch:** 294758
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B

QC1005777 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	51.74	50.00	ug/L	103%		70-135
Benzene	52.81	50.00	ug/L	106%		70-130
Trichloroethene	53.92	50.00	ug/L	108%		70-130
Toluene	52.16	50.00	ug/L	104%		70-130
Chlorobenzene	51.90	50.00	ug/L	104%		70-130
Surrogates						
Dibromofluoromethane	51.03	50.00	ug/L	102%		70-140
1,2-Dichloroethane-d4	50.36	50.00	ug/L	101%		70-140
Toluene-d8	50.88	50.00	ug/L	102%		70-140
Bromofluorobenzene	49.44	50.00	ug/L	99%		70-140

Type: Lab Control Sample Duplicate	**Lab ID:** QC1005778	**Batch:** 294758
Matrix: Water	**Method:** EPA 8260B	**Prep Method:** EPA 5030B

QC1005778 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	42.25	50.00	ug/L	84%		70-135	20	30
Benzene	44.88	50.00	ug/L	90%		70-130	16	30
Trichloroethene	44.76	50.00	ug/L	90%		70-130	19	30
Toluene	43.77	50.00	ug/L	88%		70-130	17	30
Chlorobenzene	44.18	50.00	ug/L	88%		70-130	16	30
Surrogates								
Dibromofluoromethane	50.13	50.00	ug/L	100%		70-140		
1,2-Dichloroethane-d4	46.02	50.00	ug/L	92%		70-140		
Toluene-d8	50.73	50.00	ug/L	101%		70-140		
Bromofluorobenzene	50.68	50.00	ug/L	101%		70-140		

Type: Sample Duplicate	**Lab ID:** QC1004736	**Batch:** 294400
Matrix (Source ID): Water (466831-001)	**Method:** SM 2150B	

QC1004736 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank	**Lab ID:** QC1004808	**Batch:** 294422
Matrix: Water	**Method:** SM 4500-CL-G	

QC1004808 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	08/05/22 09:23	08/05/22 09:23

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample | **Lab ID:** QC1004809 | **Batch:** 294422
Matrix: Water | **Method:** SM 4500-CL-G

QC1004809 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9900	1.000	mg/L	99%		80-120

Type: Sample Duplicate | **Lab ID:** QC1004810 | **Batch:** 294422
Matrix (Source ID): Water (466831-001) | **Method:** SM 4500-CL-G

QC1004810 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	0.08900	mg/L		2	20	1

Type: Blank | **Lab ID:** QC1006700 | **Batch:** 295069
Matrix: Water | **Method:** SM 4500-CN-E | **Prep Method:** METHOD

QC1006700 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0034	08/15/22	08/15/22

Type: Lab Control Sample | **Lab ID:** QC1006701 | **Batch:** 295069
Matrix: Water | **Method:** SM 4500-CN-E | **Prep Method:** METHOD

QC1006701 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1710	0.2000	mg/L	86%		73-123

Type: Matrix Spike | **Lab ID:** QC1006702 | **Batch:** 295069
Matrix (Source ID): Water (466782-006) | **Method:** SM 4500-CN-E | **Prep Method:** METHOD

QC1006702 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.1700	ND	0.2000	mg/L	85%		56-129	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1006703 | **Batch:** 295069
Matrix (Source ID): Water (466782-006) | **Method:** SM 4500-CN-E | **Prep Method:** METHOD

QC1006703 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.1730	ND	0.2000	mg/L	87%		56-129	2	37	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC1006471 **Batch:** 294990
Matrix: Drinking Water **Method:** SM 4500-F-C

QC1006471 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Fluoride	ND		mg/L	0.10	0.0059	08/12/22	08/12/22

Type: Lab Control Sample **Lab ID:** QC1006472 **Batch:** 294990
Matrix: Drinking Water **Method:** SM 4500-F-C

QC1006472 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	1.010	1.000	mg/L	101%		80-120

Type: Matrix Spike **Lab ID:** QC1006473 **Batch:** 294990
Matrix (Source ID): Drinking Water (467206-002) **Method:** SM 4500-F-C

QC1006473 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.030	ND	1.000	mg/L	100%		75-125	1

Type: Matrix Spike Duplicate **Lab ID:** QC1006474 **Batch:** 294990
Matrix (Source ID): Drinking Water (467206-002) **Method:** SM 4500-F-C

QC1006474 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.040	ND	1.000	mg/L	101%		75-125	1	20	1

Type: Sample Duplicate **Lab ID:** QC1004863 **Batch:** 294440
Matrix (Source ID): Water (466806-001) **Method:** SM 4500-H+ B

QC1004863 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.810	6.930	SU		2	20	1
Temperature	23.00	22.90	deg C		0	20	1

Type: Blank **Lab ID:** QC1005611 **Batch:** 294687
Matrix: Water **Method:** SM 4500-NH3-G

QC1005611 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1005612 **Batch:** 294687
Matrix: Water **Method:** SM 4500-NH3-G

QC1005612 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.391	2.500	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC1005613 **Batch:** 294687
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-NH3-G

QC1005613 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.339	ND	2.500	mg/L	94%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC1005614 **Batch:** 294687
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-NH3-G

QC1005614 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.253	ND	2.500	mg/L	90%		80-120	4	20	1

Type: Blank **Lab ID:** QC1005763 **Batch:** 294755
Matrix: Water **Method:** SM 4500-NH3-G

QC1005763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

Type: Lab Control Sample **Lab ID:** QC1005764 **Batch:** 294755
Matrix: Water **Method:** SM 4500-NH3-G

QC1005764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.691	2.500	mg/L	108%		80-120

Type: Matrix Spike **Lab ID:** QC1005765 **Batch:** 294755
Matrix (Source ID): Water (466764-001) **Method:** SM 4500-NH3-G

QC1005765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.04	0.6826	12.50	mg/L	99%		80-120	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC1005766 **Batch:** 294755
Matrix (Source ID): Water (466764-001) **Method:** SM 4500-NH3-G

QC1005766 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.38	0.6826	12.50	mg/L	102%		80-120	3	20	2.5

Type: Blank **Lab ID:** QC1006289 **Batch:** 294923
Matrix: Water **Method:** SM 4500-P-B5-E

QC1006289 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/11/22	08/11/22

Type: Lab Control Sample **Lab ID:** QC1006290 **Batch:** 294923
Matrix: Water **Method:** SM 4500-P-B5-E

QC1006290 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3970	0.4000	mg/L	99%		80-120

Type: Matrix Spike **Lab ID:** QC1006291 **Batch:** 294923
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-P-B5-E

QC1006291 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.108	0.1170	1.000	mg/L	99%		75-125	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC1006292 **Batch:** 294923
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-P-B5-E

QC1006292 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.105	0.1170	1.000	mg/L	99%		75-125	0	20	2.5

Type: Blank **Lab ID:** QC1005003 **Batch:** 294485
Matrix: Water **Method:** SM 5310B

QC1005003 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.23	08/05/22	08/05/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1005004 **Batch:** 294485
Matrix: Water **Method:** SM 5310B

QC1005004 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.679	10.00	mg/L	97%		80-120

Type: Matrix Spike **Lab ID:** QC1005005 **Batch:** 294485
Matrix (Source ID): Water (466744-005) **Method:** SM 5310B

QC1005005 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	43.74	ND	40.00	mg/L	109%		80-120	4

Type: Matrix Spike Duplicate **Lab ID:** QC1005006 **Batch:** 294485
Matrix (Source ID): Water (466744-005) **Method:** SM 5310B

QC1005006 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	46.40	ND	40.00	mg/L	116%		80-120	6	20	4

Type: Sample Duplicate **Lab ID:** QC1004873 **Batch:** 294445
Matrix (Source ID): Water (466831-001) **Method:** SM2120B

QC1004873 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:** QC1006118 **Batch:** 294444
Matrix (Source ID): Water (466810-001) **Method:** SM2130B

QC1006118 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	ND	0.06800	NTU		10	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1006119	Batch: 294863
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1006119 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/10/22	08/10/22
Carbonate	ND		mg/L	5.0		08/10/22	08/10/22
Hydroxide	ND		mg/L	5.0		08/10/22	08/10/22
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/10/22	08/10/22

Type: Lab Control Sample	Lab ID: QC1006120	Batch: 294863
Matrix: Drinking Water	Method: SM2320B	Prep Method: METHOD

QC1006120 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	985.4	1000	mg/L	99%		90-110

Type: Sample Duplicate	Lab ID: QC1006121	Batch: 294863
Matrix (Source ID): Water (466579-002)	Method: SM2320B	Prep Method: METHOD

QC1006121 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	401.9	399.0	mg/L		1	20	1.3
Carbonate	ND	ND	mg/L			20	1.3
Hydroxide	ND	ND	mg/L			20	1.3
Alkalinity, Total as CaCO3	329.4	327.0	mg/L		1	20	1.3

Type: Blank	Lab ID: QC1005592	Batch: 294682
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1005592 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/09/22	08/10/22

Type: Lab Control Sample	Lab ID: QC1005593	Batch: 294682
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1005593 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	360.0	342.0	mg/L	105%		90-110

Type: Sample Duplicate	Lab ID: QC1005594	Batch: 294682
Matrix (Source ID): Water (466899-001)	Method: SM2540C	Prep Method: METHOD

QC1005594 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,490	2428	mg/L		3	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1005749**	**Batch: 294750**
Matrix: Water	**Method: SM2540D**	**Prep Method: METHOD**

QC1005749 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/05/22	08/05/22

Type: Sample Duplicate	**Lab ID: QC1005750**	**Batch: 294750**
Matrix (Source ID): Water (466495-004)	**Method: SM2540D**	**Prep Method: METHOD**

QC1005750 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	538.0	524.0	mg/L		3	5	20

Type: Blank	**Lab ID: QC1004888**	**Batch: 294451**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC1004888 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		08/05/22 08:40	08/10/22 11:46

Type: Lab Control Sample	**Lab ID: QC1004889**	**Batch: 294451**
Matrix: Water	**Method: SM5210B**	**Prep Method: METHOD**

QC1004889 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	187.0	198.0	mg/L	94%		84.6-115.4

Type: Blank	**Lab ID: QC1006255**	**Batch: 294916**
Matrix: Water	**Method: SM5540C**	

QC1006255 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.029	08/05/22 09:20	08/05/22 18:07

Type: Lab Control Sample	**Lab ID: QC1006256**	**Batch: 294916**
Matrix: Water	**Method: SM5540C**	

QC1006256 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9850	1.000	mg/L	99%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1006257**	**Batch:**	**294916**
Matrix (Source ID):	**Water (466808-001)**	**Method:**	**SM5540C**		

QC1006257 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9300	ND	1.000	mg/L	93%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1006258**	**Batch:**	**294916**
Matrix (Source ID):	**Water (466808-001)**	**Method:**	**SM5540C**		

QC1006258 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9070	ND	1.000	mg/L	91%		80-120	3	20	1

E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

Laboratory Job Number 466831

Subcontracted Products

Eurofins Southwest

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-105604-1
Client Project/Site: 466831

For:
Enthalpy Analytical LLC
931 W. Barkley Ave
Orange, California 92868

Attn: Ranjit Clarke

Authorized for release by:
8/16/2022 8:32:23 AM
Sheila Luu, Project Mgmt. Assistant
Sheila.Luu@et.eurofinsus.com

Designee for

Xuan Dang, Project Manager I
(714)895-5494
Xuan.Dang@et.eurofinsus.com

LINKS

Review your project results through my EOL

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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association Summary 8
Lab Chronicle 9
Certification Summary 10
Method Summary 11
Sample Summary 12
Chain of Custody 13
Receipt Checklists 14

Definitions/Glossary

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

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: 466831

Job ID: 570-105604-1

Job ID: 570-105604-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-105604-1

Comments
No additional comments.

Receipt
The sample was received on 8/5/2022 1:50 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

Client Sample ID: SMBRP-9

Lab Sample ID: 570-105604-1

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

General Chemistry

Client Sample ID: SMBRP-9
Date Collected: 08/04/22 10:50
Date Received: 08/05/22 13:50

Lab Sample ID: 570-105604-1
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.22	0.622	mg/L		08/12/22 12:04	08/12/22 12:04	1

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-256391/1-A
Matrix: Water
Analysis Batch: 256520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 256391

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.510	mg/L		08/12/22 12:04	08/12/22 12:04	1

Lab Sample ID: LCS 570-256391/2-A
Matrix: Water
Analysis Batch: 256520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 256391

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
HEM: Oil and Grease			40.0	37.30		mg/L		93	78 - 114		

Lab Sample ID: LCSD 570-256391/3-A
Matrix: Water
Analysis Batch: 256520

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 256391

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
HEM: Oil and Grease			40.0	38.40		mg/L		96	78 - 114	3	18

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

General Chemistry

Prep Batch: 256391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105604-1	SMBRP-9	Total/NA	Water	1664A	
MB 570-256391/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-256391/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-256391/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 256520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105604-1	SMBRP-9	Total/NA	Water	1664A	256391
MB 570-256391/1-A	Method Blank	Total/NA	Water	1664A	256391
LCS 570-256391/2-A	Lab Control Sample	Total/NA	Water	1664A	256391
LCSD 570-256391/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	256391

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

Client Sample ID: SMBRP-9
Date Collected: 08/04/22 10:50
Date Received: 08/05/22 13:50

Lab Sample ID: 570-105604-1
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			821 mL	1000 mL	256391	08/12/22 12:04	UWEZ	EET CAL 4
Total/NA	Analysis	1664A		1			256520	08/12/22 12:04	L6IE	EET CAL 4
	Instrument ID: NOEQUIP									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-23
Oregon	NELAP	4175	02-02-23

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

Method	Method Description	Protocol	Laboratory
1664A	HEM and SGT-HEM	1664A	EET CAL 4
1664A	HEM and SGT-HEM (Aqueous)	1664A	EET CAL 4

Protocol References:

1664A = EPA-821-98-002

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 466831

Job ID: 570-105604-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-105604-1	SMBRP-9	Water	08/04/22 10:50	08/05/22 13:50

105604

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins Southwest
2841 Dow Avenue
Suite 100
Tustin, CA 92780
ATTN: Xuan Dang
PO #: Required, to be sent via email

Enthalpy Order: EO-466831
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: .DBF erpimsenhanced

570-105604 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	04-AUG-2022 10.50	466831-001	1	Water	EPA 1664 Oil & Grease (Total) -OUT	

Notes:	Relinquished By:	Received By:
		AG EC
	Date: 8/05/22 1350	Date: 8-5-2022 13:50
	Date:	Date:
	Date:	Date:

2.1/2.1 SC12

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-105604-1

Login Number: 105604
List Number: 1
Creator: Lizotte, Lex

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Laboratory Job Number 466831

Subcontracted Products

Enthalpy - Wilmington

Enthalpy Analytical - Orange

931 W. Barkley Ave
Orange, CA 92868

Client Project: EO-466831
Sample Received: 08/09/22

Analytical Report
0822-742

EPA Method 1613B

2, 3, 7, 8 TCDD

Enthalpy Analytical, LLC – Ultratrace
Mark Hager
O: 910-876-6894 / F: 910-212-6886
mark.hager@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.

Juanica L. Thomas

QA Review Performed by: Juanica L. Thomas

Report Issued Date: 8/31/22

ENTHALPY ANALYTICAL

Summary of Results

Enthalpy Analytical

Job No.: 0822-742-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466831

Summary

	Compound	CAS	SMBRP-9 pg/L
TCDD	2378-TCDD (S)	1746-01-6	ND U

TCDD group total	41903-57-5	ND

TEQ	ITEQ (ND=0; EMPC=0)	0
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)	0.874
	ITEQ (ND=EDL EMPC=EDL)	1.75
	ITEQ (ND=0; EMPC=EMPC)	0
	ITEQ (ND=1/2EDL; EMPC=EMPC)	0.874
	ITEQ (ND=EDL; EMPC=EMPC)	1.75
	WTEQ (ND=0; EMPC=0)	0
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)	0.874
	WTEQ (ND=EDL EMPC=EDL)	1.75
	WTEQ (ND=0; EMPC=EMPC)	0
	WTEQ (ND=1/2EDL; EMPC=EMPC)	0.874
	WTEQ (ND=EDL; EMPC=EMPC)	1.75

Detailed Results

Enthalpy Analytical

Job No.: 0822-742-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466831

Enthalpy ID	0822-742-001-1	Prep Batch	EU13831	Sample Vol (mL)	1000.7
Sample Name	SMBRP-9	Prep Date	2022-08-11 09:20	Extract Vol (mL)	0.02
Matrix	Aqueous	Analysis Date	2022-08-19 00:44	Split Factor	N/A
Sampling Date	20220804 00:00	Analyst	jemunoz / hallen	Method Code	WM-016
Received Date	2022-08-09 10:55	Instrument	Galadriel	Sample Type	Sample

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	5.00	1.75			U
ES	13C-2378-TCDD (ES)	76523-40-5	53.44	1068			7.54	25-175%	53.4%	
CS	37Cl-2378-TCDD (CS)		43.83	876			1.23	39-154%	109.6%	
AS	13C-1368-TCDD (AS)		74.98	1499			7.24	20-150%	75.0%	

TCDD group total:		41903-57-5	ND	ND			1.75			

TEQ	ITEQ (ND=0; EMPC=0)		0						
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		0.874						
	ITEQ (ND=EDL EMPC=EDL)		1.75						
	ITEQ (ND=0; EMPC=EMPC)		0						
	ITEQ (ND=1/2EDL; EMPC=EMPC)		0.874						
	ITEQ (ND=EDL; EMPC=EMPC)		1.75						
	WTEQ (ND=0; EMPC=0)		0						
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		0.874						
	WTEQ (ND=EDL EMPC=EDL)		1.75						
	WTEQ (ND=0; EMPC=EMPC)		0						
	WTEQ (ND=1/2EDL; EMPC=EMPC)		0.874						
	WTEQ (ND=EDL; EMPC=EMPC)		1.75						

QC Data

Enthalpy Analytical

Job No.: 0822-742-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466831

Enthalpy ID	MB-13831-DF	Prep Batch	EU13831	Sample Vol (mL)	1000
Sample Name	MB-13831-DF	Prep Date	2022-08-11 09:20	Extract Vol (mL)	0.02
Matrix	aqueous	Analysis Date	2022-08-18 23:53	Split Factor	N/A
Sampling Date		Analyst	jemunoz / hallen	Method Code	WM-016
Received Date		Instrument	Galadriel	Sample Type	Blank

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	ND	ND	ND	5.00	1.68			U
ES	13C-2378-TCDD (ES)	76523-40-5	56.57	1131			5.91	25-175%	56.6%	
CS	37Cl-2378-TCDD (CS)		43.85	877			0.899	39-154%	109.6%	
AS	13C-1368-TCDD (AS)		77.59	1552			5.67	20-150%	77.6%	

TCDD group total:		41903-57-5	ND	ND			1.68			

TEQ	ITEQ (ND=0; EMPC=0)		0						
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		0.840						
	ITEQ (ND=EDL EMPC=EDL)		1.68						
	ITEQ (ND=0; EMPC=EMPC)		0						
	ITEQ (ND=1/2EDL; EMPC=EMPC)		0.840						
	ITEQ (ND=EDL; EMPC=EMPC)		1.68						
	WTEQ (ND=0; EMPC=0)		0						
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		0.840						
	WTEQ (ND=EDL EMPC=EDL)		1.68						
	WTEQ (ND=0; EMPC=EMPC)		0						
	WTEQ (ND=1/2EDL; EMPC=EMPC)		0.840						
	WTEQ (ND=EDL; EMPC=EMPC)		1.68						

Enthalpy Analytical

Job No.: 0822-742-1 EPA Method 1613B Water

Enthalpy Analytical, Orange, CA Client Project: EO-466831

Enthalpy ID	OPR-13831-DF	Prep Batch	EU13831	Sample Vol (mL)	1000
Sample Name	OPR-13831-DF	Prep Date	2022-08-11 09:20	Extract Vol (mL)	0.02
Matrix	aqueous	Analysis Date	2022-08-18 22:12	Split Factor	N/A
Sampling Date		Analyst	jemunoz / hallen	Method Code	WM-016
Received Date		Instrument	Galadriel	Sample Type	Control

	Compound	CAS	Extract Concentration pg/uL	Sample Concentration pg/L	Formatted Result pg/L	LOQ pg/L	EDL pg/L	Recovery Limits	Recovery	Flags
TCDD	2378-TCDD (S)	1746-01-6	9.61	192	192	5.00	2.30	67-158%	96.1%	
ES	13C-2378-TCDD (ES)	76523-40-5	57.77	1155			4.97	25-175%	57.8%	
CS	37Cl-2378-TCDD (CS)		41.47	829			1.60	39-154%	103.7%	
AS	13C-1368-TCDD (AS)		69.13	1383			4.77	20-150%	69.1%	

TCDD group total:		41903-57-5	9.61	192			2.30			

TEQ	ITEQ (ND=0; EMPC=0)		192						
	ITEQ (ND=1/2EDL;EMPC=1/2EDL)		192						
	ITEQ (ND=EDL EMPC=EDL)		192						
	ITEQ (ND=0; EMPC=EMPC)		192						
	ITEQ (ND=1/2EDL; EMPC=EMPC)		192						
	ITEQ (ND=EDL; EMPC=EMPC)		192						
	WTEQ (ND=0; EMPC=0)		192						
	WTEQ (ND=1/2EDL;EMPC=1/2EDL)		192						
	WTEQ (ND=EDL EMPC=EDL)		192						
	WTEQ (ND=0; EMPC=EMPC)		192						
	WTEQ (ND=1/2EDL; EMPC=EMPC)		192						
	WTEQ (ND=EDL; EMPC=EMPC)		192						

Narrative Summary

Enthalpy Analytical Narrative Summary

Company	Enthalpy Analytical - Orange
Job#	0822-742 EPA Method 1613B
Client Project #	EO-466831

Custody	Megan Holden of Enthalpy Analytical Wilmington received the sample (via FedEx) on ice on August 9, 2022 at 0.7°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 "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 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. Mass 466 displays an incorrect value due to a decrease in PK over the period of analysis. However, data is reported without adverse impact due to meeting criteria on previous and following scans. 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 TEQ was calculated and reported using I-TEF and WHO-2005 TEF, calculated by multiplying the concentration for each 2,3,7,8-substituted PCDD/F by its toxic equivalency factor (TEF). The Totals and Detection Limits have been included in the report. The TEQ is reported with and without EMPCs included. Additionally, the TEQ may be reported with non-detects treated as having a concentration of zero, a concentration of one-half the EDL, and/or a concentration equal to the EDL.

Enthalpy Analytical Narrative Summary
(continued)

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 amount 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: The EDL is unique to isotope dilution methods and reflects the conditions of analysis at the time of analysis, including the equipment used. Where the MDL is a static value, the EDL is a dynamic value.
- EMPC – Estimated Maximum Possible Concentration: EMPC is specific to Dioxin/Furan tests to indicate the determined ion-abundance ratio was outside the allowed theoretical range (usually due to being near the detection limit, although it can very rarely be caused by a co-eluting interference). The EMPC concentration is adjusted to reflect the value at the theoretical ion-abundance ratio.
- IR – The ion ratio between the primary and secondary ions was observed to be outside the method criteria. The analyte concentration may be inaccurate due to interference.
- 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 Quantitation: 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 LOQ is adjusted for sample weight or volume.

General Reporting Notes – Data Qualifiers

- <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.
- <LOQ() – Analyte was not found at a concentration high enough to be reported as above the QSM-defined LOQ or TNI defined Reporting Limit. It is reported as less than the LOQ, and the LOQ 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 / Q – The labeled standard recovery is not within method control limits.
- X – Indicates the result is 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.
- R – Indicates a re-extraction of the sample.
- RJ – Indicates a reinjection of the sample extract.

- S – Indicates a sample split. The number that follows the "S" indicates the split factor.
- SAT – Indicates an analyte saturated the detector.

Sample Custody

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

0822-742

Subcontract Laboratory:
Enthalpy - Wilmington
2714 Exchange Drive
Wilmington, NC 28405
ATTN: Bryan Vining
PO #: Required, to be sent via email

Enthalpy Order: EO-466831
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: Quant Method PfasToBerkeley, EDD Filename TestWllmGeoTracker EDD

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	04-AUG-2022 10:50	466831-001	1	Water	EPA 1613 - 2,3,7,8-TCDD only	

Notes:	Relinquished By:	Received By:
Fedex cooler on ice, no seals, good condition 777602190960 0.7°C TID MK 8.9.22		FED EX 7776 0219 0960
	Date: 8/8/22 1200	Date: 8/8/22
		Allyn Golden
	Date:	Date: 8.9.22 10:55
	Date:	Date:

This Is The Last Page Of This Report.

Laboratory Job Number 466831

Subcontracted Products

SGS Forensic

SGS FORENSIC LABORATORIES

Final

ANALYSIS REPORT
ASBESTOS IN DRINKING WATER
Transmission Electron Microscopy*

Client:	Enthalpy Analytical LLC		
Contact:	Ranjit K. Clarke	Client Number:	1137
Street:	2323 5th Street	Report Number:	T035529
City/state/zip:	Berkeley, CA 94710	Date/time Received:	8/5/22 1245

Site:		Date filtered:	8/5/22
Job ID/PO:	EO-466831, PO-032141	Analyst(s):	MAB
Date Collected:	8/4/22	Date Analyzed:	8/12/22
Hold time, hrs:	<48	Date Reported:	8/12/22
Filter type:	25mm MCE	Date Printed:	8/12/22
Pore size:	0.22 µm		

ANALYTICAL RESULTS

Sample Number	SMBRP-9			
Description				
Lab Sample Number	20138758			
Volume Filtered, mL	10			
Filter Area, mm2	190			
Grid Opening Area, mm^2	0.0086			
Number of GO's Analyzed	10			
Area Analyzed, mm^2	0.086			
# Asbestos Fibers ≥10 µm	0			
Analytical Sensitivity, MFL	0.2			
Asbestos Concentration, ≥10um in length, MFL	**<0.2**			
Asbestos Type(s) Detected**	**ND**			
95% Upper Conf. Limit, MFL	0.7			
95% Lower Conf. Limit, MFL	0.0			

0

Mark Floyd, Analytical Microscopy Supervisor

* Method 100.2 (EPA/600/R-94/134). Results are reported in Millions of Fibers per Liter (MFL) over 10 µm in length.

** Asbestos types: CH=chrysotile; AM=amosite; CR=crocidolite; TR=tremolite; AC=actinolite; AN=anthophyllite; ND=none detected; NA-Not Analyzed; n/a=not applicable (i.e., divide by 0); OV=overloaded; BL=blank sample; PF=prepped not analyzed.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (Client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full with approval from SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. This report must not be used by the client to claim product endorsement by NVLAP or any U.S. government agency. SGSFL is unable to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of 30 days, according to all state and federal guidelines, unless otherwise specified.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
SGS Forensic
3777 Depot Road
Suite 409
Hayward, CA 94545
ATTN:
PO #: Required, to be sent via email

Enthalpy Order: EO-466831
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	04-AUG-2022 10:50	466831-001	1	Water	EPA 100.2 Asbestos	

Notes:	Relinquished By:	Received By:
	Date: 8/4/22 1830	Date: RECEIVED AUG 05 2022 BY: courier 12:45pm
	Date:	Date:
	Date:	Date:

Laboratory Job Number 466831

Subcontracted Products

Pace Analytical - Greensburg

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

September 26, 2022

Ms. Patricia Mata
Enthalpy Analytical
931 W. Barkley Avenue
Orange, CA 92868

RE: Project: 466831
Pace Project No.: 30512780

Dear Ms. Mata:

Enclosed are the analytical results for sample(s) received by the laboratory on August 09, 2022. 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,

Nikayla M. Yasurek
nikayla.yasurek@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Incoming Reports, Enthalpy Analytical
David Tripp, 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: 466831
Pace Project No.: 30512780

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 #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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

SAMPLE SUMMARY

Project: 466831
Pace Project No.: 30512780

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30512780001	**SMBRP-9**	Water	08/04/22 10:50	08/09/22 17:50

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

SAMPLE ANALYTE COUNT

Project: 466831
Pace Project No.: 30512780

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30512780001	**SMBRP-9**	EPA 900.0	ERT	2	PASI-PA
		EPA 903.1	SLC	1	PASI-PA
		EPA 904.0	VAL	1	PASI-PA
		ASTM D5811-95	JJY	1	PASI-PA
		EPA 906.0	JPM	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: 466831
Pace Project No.: 30512780

Sample: SMBRP-9 **Lab ID: 30512780001** Collected: 08/04/22 10:50 Received: 08/09/22 17:50 Matrix: Water
PWS: Site ID: Sample Type:
Comments: • Added 5mL of HNO3 to 4 containers to get a pH<2

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Gross Alpha	EPA 900.0	**30.0 ± 7.18 (5.05) C:NA T:NA**	pCi/L	08/26/22 18:39	12587-46-1	
Gross Beta	EPA 900.0	**3.84 ± 2.27 (3.49) C:NA T:NA**	pCi/L	08/26/22 18:39	12587-47-2	
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**0.185 ± 0.554 (1.03) C:NA T:102%**	pCi/L	08/20/22 16:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.616 ± 0.641 (1.33) C:71% T:88%**	pCi/L	08/26/22 20:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Strontium-90	ASTM D5811-95	**-0.780 ± 1.19 (2.33) C:98% T:NA**	pCi/L	09/11/22 11:11	10098-97-2	N2
	Pace Analytical Services - Greensburg					
Tritium	EPA 906.0	**-92.0 ± 149 (276) C:NA T:NA**	pCi/L	09/03/22 04:11	10028-17-8	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466831
Pace Project No.: 30512780

QC Batch: 524867
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: 30512780001

METHOD BLANK: 2545639 Matrix: Water
Associated Lab Samples: 30512780001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.190 ± 0.229 (0.349) C:NA T:98%	pCi/L	08/20/22 15:51	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466831
Pace Project No.: 30512780

QC Batch: 525970
QC Batch Method: EPA 906.0
Analysis Method: EPA 906.0
Analysis Description: 906.0 Tritium
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30512780001

METHOD BLANK: 2551582 Matrix: Water
Associated Lab Samples: 30512780001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Tritium	5.15 ± 157 (278) C:NA T:NA	pCi/L	09/03/22 01:06	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466831
Pace Project No.: 30512780

QC Batch: 527289
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: 30512780001

METHOD BLANK: 2558803 Matrix: Water
Associated Lab Samples: 30512780001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.386 ± 0.424 (0.904) C:91% T:NA	pCi/L	09/08/22 08:32	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466831
Pace Project No.: 30512780

QC Batch: 524905
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: 30512780001

METHOD BLANK: 2545733 Matrix: Water
Associated Lab Samples: 30512780001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.729 ± 0.409 (0.738) C:78% T:92%	pCi/L	08/26/22 17:08	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: 466831
Pace Project No.: 30512780

QC Batch: 525459
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: 30512780001

METHOD BLANK: 2548993 Matrix: Water
Associated Lab Samples: 30512780001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Gross Alpha	0.375 ± 0.648 (1.45) C:NA T:NA	pCi/L	08/29/22 08:51	
Gross Beta	0.453 ± 0.755 (1.68) C:NA T:NA	pCi/L	08/29/22 08:51	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 466831
Pace Project No.: 30512780

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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 466831
Pace Project No.: 30512780

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30512780001	**SMBRP-9**	EPA 900.0	525459		
30512780001	**SMBRP-9**	EPA 903.1	524867		
30512780001	**SMBRP-9**	EPA 904.0	524905		
30512780001	**SMBRP-9**	ASTM D5811-95	527289		
30512780001	**SMBRP-9**	EPA 906.0	525970		

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466831
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# : 30512780
30512780

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	04-AUG-2022 10:50	466831-001	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FED EX 7775 9964 4829
	Date: 8/8/22 1200	Date: 8/8/22
		Dawn PACE
	Date:	Date: 8/9/22 1750
	Date:	Date:

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # 30512780

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label MJS
LIMS Login MJS

Tracking #: 777599644829

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# 10D042I

Date and Initials of person examining contents: MJS 8-10-22

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 5mL of HNO3 to 4 containers to Get a pH<2
All containers meet method preservation requirements.		✓		Initial when completed MJS Date/time of preservation 8-10-22 0800
				Lot # of added preservative DL-22-0893
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: MJS Date: 8-10-22 Survey Meter SN: 1563

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.

ANALYTICAL REPORT

August 26, 2022

Pace Analytical - Greensburg, PA

Sample Delivery Group:	L1527723
Samples Received:	08/20/2022
Project Number:	30512780
Description:	466831
Site:	001
Report To:	Nikayla Yasurek

Entire Report Reviewed By:

Donna Eidson
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



TABLE OF CONTENTS

Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 4

Sr: Sample Results 5

SMBRP-9 L1527723-01 5

Qc: Quality Control Summary 6

Radiochemistry by Method D5174 6

Gl: Glossary of Terms 7

Al: Accreditations & Locations 8

Sc: Sample Chain of Custody 9

SMBRP-9 L1527723-01 Non-Potable Water

Collected by	Collected date/time	Received date/time
	08/04/22 10:50	08/20/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Radiochemistry by Method D5174	WG1914421	1	08/22/22 11:13	08/24/22 20:08	RRE	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Donna Eidson
Project Manager

Radiochemistry by Method D5174

Analyte	Result	Qualifier	Uncertainty	RDL	Analysis Date	Batch
	ug/l		+ / -	ug/l	date / time	
Uranium	37.2			1.00	08/24/2022 20:08	WG1914421

Method Blank (MB)

(MB) R3830595-1 08/24/22 18:59

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Uranium	U		1.00	1.00

L1527707-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1527707-01 08/24/22 19:42 • (DUP) R3830595-5 08/24/22 19:09

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Uranium	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3830595-2 08/24/22 19:02

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Uranium	30.0	28.4	94.7	80.0-120	

L1527621-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1527621-01 08/24/22 19:12 • (MS) R3830595-3 08/24/22 19:04 • (MSD) R3830595-4 08/24/22 19:07

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Uranium	20.0	ND	19.4	19.4	96.8	96.9	1	75.0-125			0.102	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Internal Transfer Chain of Custody

A132

☐ Samples Pre-Logged into eCOC.

State Of Origin: CA

Cert. Needed: ☐ Yes ☒ No

Workorder: 30512780 **Workorder Name:** 466831

Owner Received Date: 8/9/2022 **Results Requested By:** 8/31/2022

Report To	Subcontract To
Nikayla M. Yasurek Pace Analytical Pittsburgh 1638 Roseytown Road Suites 2,3,4 Greensburg, PA 15601 Phone (724)850-5600	Pace National 12065 Lebanon Rd Mt. Juliet, TN 37122 Phone (615) 758-5858

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: HNO3	Requested Analysis: Total Uranium KPA	LAB USE ONLY: 4527723
1	SMBRP-9	PS	8/4/2022 10:50	30512780001	Water	1	X	-01
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	MLSC	8-19-22 1641	M. Smith	8/20/22 0900
2				
3				

Comments

Cooler Temperature on Receipt ____ °C | Custody Seal (Y) or N | Received on Ice (Y) or N | Samples Intact (Y) or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

		If Applicable	
COC Seal Present/Intact:	Y N	VOA Zero Headspace:	Y N
COC Signed/Accurate:	Y N	Pres.Correct/Check:	Y N
Bottles arrive intact:	Y N		
Correct bottles used:	Y N		
Sufficient volume sent:	Y N		
RAD Screen <0.5 mR/hr:	Y N		

5344 4402567 0

23.1+0 = 23.1

KRMP

U527723

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Pace Analytical - Greensburg
1638 Roseytown Rd.
Suite 2, 3, 4
Greensburg, PA 15601
ATTN: Karen Smetanka
PO #: Required, to be sent via email

Enthalpy Order: EO-466831
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# : 30512780
30512780

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	04-AUG-2022 10:50	466831-001	1	Water	EPA 900.0 Gross Alpha and Beta	
			1	Water	EPA 903.1 Radium-226	
			2	Water	EPA 904.0 Radium-228	
			1	Water	ASTM D5811-95 Strontium	
			1	Water	EPA 906.0 Tritium	
			1	Water	ASTM D5174-97 Uranium	

Notes:	Relinquished By:	Received By:
		FED EX 7775 9964 4829
	Date: 8/8/22 1200	Date: 8/8/22
		Jawn PACE
	Date:	Date: 8/9/22 1750
	Date:	Date:

L1527723

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Enthalpy Project # 30512780

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label MJS
LIMS Login MJS

Tracking #: 777599644829

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Thermometer Used AA 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# 100421 Date and Initials of person examining contents: MJS 8-10-22

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:	✓			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 of HNO3 to 4 containers to Get a pH<2
All containers meet method preservation requirements.		✓		Initial when completed MJS Date/time of preservation 8-10-22 0800 Lot # of added preservative DL-22-0893
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: MJS Date: 8-10-22 Survey Meter SN: 1503

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.

4527723

Subcontracting Laboratory: Pace National

Project Must Arrive at Subcontracted Laboratoryby: 8/19/22

☐ Saturday delivery

Pace Analytical Services, LLC-Pittsburgh Laboratory

Subcontracting Directions

Project Manager: Hollie Compton

Project Number: 30507870 Today's Date: 8/18/22

Sample ID	Matrix	Send Whole Jar (size/type)	Split / Pour Off From This Jar:	Volume to Send (if split off)
30507870_001	DW	BP1N		

Completed by: (Initials) HMC Date/Time: 8/18/22

Reviewed by: (PM Initials) CD Date/Time: 8/18/22 956

Received by SR: (Initials)_____ Date/Time:_____

Packed by:(Initial/Date)_____ Verified by:(Initial/Date)_____

Shipped Verification Stamp

Laboratory Job Number 466831

Subcontracted Products

Weck Laboratories, Inc.

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 2H05046

Project: EO-466831

Attn: Ranjit Clarke

Client: Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Report Date: 10/03/2022

Received Date: 8/5/2022

Turnaround Time: Normal

Phones: (714) 771-9906

Fax: (714) 771-9933

P.O. #:

Billing Code:

DoD-ELAP ANAB #ADE-2882 • DoD-ISO ANAB # • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Ranjit Clarke,

Enclosed are the results of analyses for samples received 8/05/22 with the Chain-of-Custody document. The samples were received in good condition, at 3.0 °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:

Rahul R. Nair
Project Manager

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SMBRP-9	Client	2H05046-01	Water	08/04/22 10:50	
SMBRP-9 Travel Blank	Client	2H05046-02	Water	08/04/22 00:00	

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Sample Results

Sample: SMBRP-9
2H05046-01 (Water)

Sampled: 08/04/22 10:50 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0963 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/11/22 07:59			**Analyst:** rmr	
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l	1	08/18/22	
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l	1	08/18/22	
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l	1	08/18/22	
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l	1	08/18/22	
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l	1	08/18/22	
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l	1	08/18/22	
2,4-Dichlorophenol	ND	0.26	1.0	ug/l	1	08/18/22	
2,4-Dimethylphenol	ND	0.76	1.0	ug/l	1	08/18/22	
2,4-Dinitrophenol	ND	1.9	10	ug/l	1	08/18/22	
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l	1	08/18/22	
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l	1	08/18/22	
2-Chloronaphthalene	ND	0.45	1.0	ug/l	1	08/18/22	
2-Chlorophenol	ND	0.28	1.0	ug/l	1	08/18/22	
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l	1	08/18/22	
2-Nitrophenol	ND	0.26	1.0	ug/l	1	08/18/22	
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l	1	08/18/22	
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l	1	08/18/22	
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l	1	08/18/22	
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l	1	08/18/22	
4-Nitrophenol	ND	1.2	5.0	ug/l	1	08/18/22	
Acenaphthene	ND	0.38	1.0	ug/l	1	08/18/22	
Acenaphthylene	ND	0.35	1.0	ug/l	1	08/18/22	
Anthracene	ND	0.41	1.0	ug/l	1	08/18/22	
Benzidine	ND	3.2	10	ug/l	1	08/18/22	
Benzo (a) anthracene	ND	0.19	1.0	ug/l	1	08/18/22	
Benzo (a) pyrene	ND	0.39	1.0	ug/l	1	08/18/22	
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l	1	08/18/22	
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l	1	08/18/22	
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l	1	08/18/22	
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l	1	08/18/22	
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l	1	08/18/22	
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l	1	08/18/22	
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l	1	08/18/22	
Butyl benzyl phthalate	ND	0.49	1.0	ug/l	1	08/18/22	
Chrysene	ND	0.19	1.0	ug/l	1	08/18/22	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466831

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:46

Sample Results

(Continued)

Sample: SMBRP-9

Sampled: 08/04/22 10:50 by Client

2H05046-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Acid and Base/Neutral Extractables by GC/MS (Continued)							
Method: EPA 625.1			**Instr:** GCMS06				
Batch ID: W2H0963 **Preparation:** EPA 625/L-L SF			**Prepared:** 08/11/22 07:59			**Analyst:** rmr	
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l	1	08/18/22	
Diethyl phthalate	ND	0.35	1.0	ug/l	1	08/18/22	
Dimethyl phthalate	ND	0.18	1.0	ug/l	1	08/18/22	
Di-n-butyl phthalate	ND	0.34	1.0	ug/l	1	08/18/22	
Di-n-octyl phthalate	ND	0.46	1.0	ug/l	1	08/18/22	
Fluoranthene	ND	0.35	1.0	ug/l	1	08/18/22	
Fluorene	ND	0.35	1.0	ug/l	1	08/18/22	
Hexachlorobenzene	ND	0.49	1.0	ug/l	1	08/18/22	
Hexachlorobutadiene	ND	0.47	1.0	ug/l	1	08/18/22	
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l	1	08/18/22	
Hexachloroethane	ND	0.50	1.0	ug/l	1	08/18/22	
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l	1	08/18/22	
Isophorone	ND	0.21	1.0	ug/l	1	08/18/22	
Naphthalene	ND	0.49	1.0	ug/l	1	08/18/22	
Nitrobenzene	ND	0.36	1.0	ug/l	1	08/18/22	
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l	1	08/18/22	
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l	1	08/18/22	
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l	1	08/18/22	
Pentachlorophenol	ND	0.40	1.0	ug/l	1	08/18/22	
Phenanthrene	ND	0.32	1.0	ug/l	1	08/18/22	
Phenol	ND	0.81	1.0	ug/l	1	08/18/22	
Pyrene	ND	0.25	1.0	ug/l	1	08/18/22	
Surrogate(s)							
2,4,6-Tribromophenol	*75%*	*Conc: 30.7*	*25-120*			*08/18/22*	
2-Fluorobiphenyl	*88%*	*Conc: 17.9*	*22-120*			*08/18/22*	
2-Fluorophenol	*57%*	*Conc: 23.3*	*17-120*			*08/18/22*	
Nitrobenzene-d5	*92%*	*Conc: 18.7*	*47-120*			*08/18/22*	
Phenol-d5	*39%*	*Conc: 15.9*	*12-120*			*08/18/22*	
Terphenyl-d14	*98%*	*Conc: 19.9*	*44-129*			*08/18/22*	
Anions by IC, EPA Method 300.1							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Bromate	ND	140	500	ug/l	100	08/15/22	M-05
Chlorite	ND	220	1000	ug/l	100	08/15/22	M-05
Surrogate(s)							
Dichloroacetate	*107%*	*Conc: 534*	*90-115*			*08/15/22*	

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-466831

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:46

Sample Results

(Continued)

Sample: SMBRP-9
2H05046-01 (Water)

Sampled: 08/04/22 10:50 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Anions by IC, EPA Method 300.1 (Continued)							
Method: EPA 300.1			**Instr:** LC08_Channel2				
Batch ID: W2H1193 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:47			**Analyst:** JAN	
Carbamates and Urea Pesticides							
Method: EPA 531.2			**Instr:** LC11				
Batch ID: W2H1369 **Preparation:** _NONE (LC)			**Prepared:** 08/16/22 17:23			**Analyst:** PJS	
3-Hydroxycarbofuran	ND	16	40	ug/l	20	08/17/22	M-05
Aldicarb	ND	12	40	ug/l	20	08/17/22	M-05
Aldicarb sulfone	ND	15	40	ug/l	20	08/17/22	M-05
Aldicarb sulfoxide	ND	21	40	ug/l	20	08/17/22	M-05
Carbaryl	ND	20	40	ug/l	20	08/17/22	M-05
Carbofuran	ND	20	40	ug/l	20	08/17/22	M-05
Methiocarb	ND	21	40	ug/l	20	08/17/22	M-05
Methomyl	ND	26	40	ug/l	20	08/17/22	M-05
Oxamyl	ND	22	40	ug/l	20	08/17/22	M-05
Propoxur (Baygon)	ND	27	40	ug/l	20	08/17/22	M-05
Surrogate(s)							
BDMC	*81%*	*Conc: 8.10*	*70-130*			*08/17/22*	
Chlorinated Acids Herbicides by GC/ECD							
Method: EPA 515.4			**Instr:** GC08				
Batch ID: W2H1051 **Preparation:** EPA 515.4/Micro Ext. Drtz			**Prepared:** 08/12/22 08:22			**Analyst:** rjg	
2,4,5-T	ND	0.030	0.20	ug/l	1	08/17/22	
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l	1	08/17/22	
2,4-D	ND	0.14	0.40	ug/l	1	08/17/22	
2,4-DB	ND	0.19	2.0	ug/l	1	08/17/22	
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l	1	08/17/22	
Acifluorfen	ND	0.030	0.40	ug/l	1	08/17/22	
Bentazon	ND	0.23	2.0	ug/l	1	08/17/22	
Dalapon	ND	0.11	0.40	ug/l	1	08/17/22	
DCPA	ND	0.029	0.10	ug/l	1	08/17/22	
Dicamba	ND	0.049	0.60	ug/l	1	08/17/22	
Dichloroprop	ND	0.12	0.30	ug/l	1	08/17/22	
Dinoseb	ND	0.033	0.40	ug/l	1	08/17/22	
Pentachlorophenol	ND	0.046	0.20	ug/l	1	08/17/22	
Picloram	ND	0.050	0.60	ug/l	1	08/17/22	
Surrogate(s)							
2,4-DCAA	*95%*	*Conc: 9.51*	*70-130*			*08/17/22*	
Chlorinated Pesticides and/or PCBs by GC/ECD							

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-466831

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:46

Sample Results

(Continued)

Sample: SMBRP-9
2H05046-01 (Water)

Sampled: 08/04/22 10:50 by Client
(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)							
Method: EPA 508.1			**Instr:** GC08				
Batch ID: W2H1511 **Preparation:** EPA 508.1/SPE			**Prepared:** 08/18/22 07:13			**Analyst:** rjg	
4,4´-DDD	ND	0.0030	0.010	ug/l	1	08/24/22	
4,4´-DDE	ND	0.0018	0.010	ug/l	1	08/24/22	
4,4´-DDT	ND	0.0030	0.010	ug/l	1	08/24/22	
Aldrin	ND	0.0040	0.010	ug/l	1	08/24/22	Q-02
alpha-BHC	ND	0.0019	0.010	ug/l	1	08/24/22	
Aroclor 1016	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Aroclor 1221	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Aroclor 1232	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Aroclor 1242	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Aroclor 1248	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Aroclor 1254	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Aroclor 1260	ND	0.10	0.10	ug/l	1	08/24/22	R-01
beta-BHC	ND	0.0024	0.010	ug/l	1	08/24/22	
Chlordane (tech)	ND	0.10	0.10	ug/l	1	08/24/22	R-01
Chlorothalonil	ND	0.0015	0.050	ug/l	1	08/24/22	
delta-BHC	ND	0.0030	0.010	ug/l	1	08/24/22	
Dieldrin	ND	0.0030	0.010	ug/l	1	08/24/22	
Endosulfan I	ND	0.0030	0.010	ug/l	1	08/24/22	
Endosulfan II	ND	0.0016	0.010	ug/l	1	08/24/22	
Endosulfan sulfate	ND	0.0030	0.010	ug/l	1	08/24/22	
Endrin	ND	0.0013	0.010	ug/l	1	08/24/22	
Endrin aldehyde	ND	0.0040	0.010	ug/l	1	08/24/22	
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l	1	08/24/22	
Heptachlor	ND	0.0017	0.010	ug/l	1	08/24/22	
Heptachlor epoxide	ND	0.0019	0.010	ug/l	1	08/24/22	
Hexachlorobenzene	ND	0.0040	0.050	ug/l	1	08/24/22	
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l	1	08/24/22	
Methoxychlor	ND	0.0030	0.010	ug/l	1	08/24/22	
PCBs, Total	ND		0.50	ug/l	1	08/24/22	
Propachlor	ND	0.020	0.050	ug/l	1	08/24/22	
Toxaphene	ND	0.50	0.50	ug/l	1	08/24/22	R-01
Trifluralin	ND	0.0020	0.010	ug/l	1	08/24/22	
Surrogate(s)							
4,4-Dibromobiphenyl	*91%*	*Conc: 0.0945*	*70-130*			*08/24/22*	
Diquat and Paraquat by EPA 549.2							

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-466831

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:46

Sample Results

(Continued)

Sample: SMBRP-9

Sampled: 08/04/22 10:50 by Client

2H05046-01 (Water)

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2 (Continued)							
Method: EPA 549.2			**Instr:** LC10				
Batch ID: W2H0719 **Preparation:** EPA 549.2/SPE			**Prepared:** 08/09/22 06:52				**Analyst:** pjs
Diquat	ND	0.90	4.0	ug/l	1	08/25/22	
Paraquat	ND	1.2	4.0	ug/l	1	08/25/22	
Endothall By EPA 548.1							
Method: EPA 548.1			**Instr:** GCMS06				
Batch ID: W2H0594 **Preparation:** EPA 548.1/SPE			**Prepared:** 08/09/22 08:15				**Analyst:** rmr
Endothall	ND	11	40	ug/l	1	08/11/22	
Glyphosate by EPA 547							
Method: EPA 547			**Instr:** LC11				
Batch ID: W2H1129 **Preparation:** _NONE (LC)			**Prepared:** 08/12/22 13:21				**Analyst:** PJS
Glyphosate	ND	1.8	5.0	ug/l	1	08/12/22	
Haloacetic Acids (HAAs) by GC/ECD							
Method: EPA 552.3			**Instr:** [CALC]				
Batch ID: [CALC] **Preparation:** [CALC]			**Prepared:** 08/15/22 08:11				**Analyst:** ecs
HAA5, Total	ND	0.28	1.0	ug/l	1	08/16/22	
Method: EPA 552.3			**Instr:** GC05				
Batch ID: W2H1161 **Preparation:** EPA 552.3/Micro Ext. Drtz			**Prepared:** 08/15/22 08:11				**Analyst:** ecs
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l	1	08/16/22	
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l	1	08/16/22	
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l	1	08/16/22	
Monochloroacetic acid (mcaa)	**0.53**	0.31	2.0	ug/l	1	08/16/22	J
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l	1	08/16/22	
Surrogate(s)							
2-Bromobutyric acid	*103%*	*Conc: 10.3*	*70-130*			*08/16/22*	
Hexavalent Chromium by IC							
Method: EPA 218.6			**Instr:** LC13				
Batch ID: W2H1192 **Preparation:** _NONE (LC)			**Prepared:** 08/15/22 10:43				**Analyst:** JAN
Chromium 6+	**3.2**	0.0079	0.020	ug/l	1	08/15/22	
Nitrosamines by isotopic dilution GC/MS CI Mode							
Method: EPA 1625B			**Instr:** GCMS09				
Batch ID: W2H0652 **Preparation:** EPA 3535/SPE			**Prepared:** 08/08/22 14:07				**Analyst:** mld
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l	1	08/11/22	
PPCPs - Isotope Dilution LCMSMS							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0887 **Preparation:** _NONE (LC)			**Prepared:** 08/10/22 11:15				**Analyst:** jna
Caffeine	ND	4.0	4.0	ng/l	1	08/12/22	
DEET	ND	4.0	4.0	ng/l	1	08/12/22	

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-466831

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:46

Sample Results

(Continued)

Sample: SMBRP-9
2H05046-01 (Water)

Sampled: 08/04/22 10:50 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Isotope Dilution LCMSMS (Continued)							
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0887 **Preparation:** _NONE (LC)			**Prepared:** 08/10/22 11:15				**Analyst:** jna
Surrogate(s)							
Caffeine-13C3	*99%*	*Conc: 197*	*20-500*			*08/12/22*	
DEET-d7	*92%*	*Conc: 18.5*	*20-500*			*08/12/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0888 **Preparation:** _NONE (LC)			**Prepared:** 08/10/22 11:17				**Analyst:** jna
Triclosan	ND	8.0	8.0	ng/l	1	08/16/22	
Surrogate(s)							
Triclosan-d3	*61%*	*Conc: 244*	*20-500*			*08/16/22*	
Method: EPA 1694M			**Instr:** LCMS03				
Batch ID: W2H0889 **Preparation:** _NONE (LC)			**Prepared:** 08/10/22 11:17				**Analyst:** jna
17-b-Estradiol	ND	4.0	4.0	ng/l	1	08/17/22	
Sucralose	ND	20	20	ng/l	1	08/17/22	
Surrogate(s)							
17-b-Estradiol-d3	*104%*	*Conc: 208*	*20-500*			*08/17/22*	
Sucralose-d6	*24%*	*Conc: 236*	*20-500*			*08/17/22*	
Semivolatile Organic Compounds by GC/MS							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H1378 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/17/22 07:53				**Analyst:** rmr
Alachlor	ND	0.030	0.10	ug/l	1	08/18/22	
Atrazine	ND	0.011	0.10	ug/l	1	08/18/22	
Benzo (a) pyrene	ND	0.020	0.10	ug/l	1	08/18/22	
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l	1	08/18/22	
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l	1	08/18/22	
Bromacil	ND	0.070	0.50	ug/l	1	08/18/22	
Butachlor	ND	0.012	0.10	ug/l	1	08/18/22	
Captan	ND	0.32	1.0	ug/l	1	08/18/22	
Chlorpropham	ND	0.040	0.10	ug/l	1	08/18/22	
Diazinon	ND	0.022	0.10	ug/l	1	08/18/22	
Dimethoate	ND	0.020	0.20	ug/l	1	08/18/22	
Diphenamid	ND	0.030	0.10	ug/l	1	08/18/22	
Disulfoton	ND	0.015	0.10	ug/l	1	08/18/22	
EPTC	ND	0.020	0.10	ug/l	1	08/18/22	
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l	1	08/18/22	
Metolachlor	ND	0.030	0.10	ug/l	1	08/18/22	
Metribuzin	ND	0.030	0.10	ug/l	1	08/18/22	
Molinate	ND	0.030	0.10	ug/l	1	08/18/22	

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466831

Project Manager: Ranjit Clarke

Reported: 10/03/2022 16:46

Sample Results

(Continued)

Sample: SMBRP-9
2H05046-01 (Water)

Sampled: 08/04/22 10:50 by Client

(Continued)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Continued)							
Method: EPA 525.2			**Instr:** GCMS16				
Batch ID: W2H1378 **Preparation:** EPA 525.2/SPE			**Prepared:** 08/17/22 07:53				**Analyst:** rmr
Prometryn	ND	0.030	0.10	ug/l	1	08/18/22	
Simazine	ND	0.020	0.10	ug/l	1	08/18/22	
Terbacil	ND	0.090	2.0	ug/l	1	08/18/22	
Thiobencarb	ND	0.030	0.10	ug/l	1	08/18/22	
Trithion	ND	0.020	0.10	ug/l	1	08/18/22	
Surrogate(s)							
1,3-Dimethyl-2-nitrobenzene	*106%*	*Conc: 5.51*	*70-130*			*08/18/22*	
Perylene-d12	*89%*	*Conc: 4.67*	*50-120*			*08/18/22*	
Triphenyl phosphate	*105%*	*Conc: 5.47*	*70-130*			*08/18/22*	
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.400*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*83%*	*Conc: 0.330*	*70-130*			*08/13/22*	

Sample Results

(Continued)

Sample: SMBRP-9 Travel Blank
2H05046-02 (Water)

Sampled: 08/04/22 0:00 by Client

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Volatile Organics by P&T and GC/MS							
Method: EPA 524.3			**Instr:** GCMS08				
Batch ID: W2H1133 **Preparation:** Method (P+T)			**Prepared:** 08/12/22 14:47				**Analyst:** ADM
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l	1	08/13/22	
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l	1	08/13/22	
Surrogate(s)							
1,2-Dichlorobenzene-d4	*100%*	*Conc: 0.400*	*70-130*			*08/13/22*	
4-Bromofluorobenzene	*82%*	*Conc: 0.328*	*70-130*			*08/13/22*	

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

Acid and Base/Neutral Extractables by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0963 - EPA 625.1											
Blank (W2H0963-BLK1)					**Prepared: 08/11/22 Analyzed: 08/17/22**						
1,2,4-Trichlorobenzene	ND	0.49	1.0	ug/l							
1,2-Dichlorobenzene	ND	0.46	1.0	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	0.30	1.0	ug/l							
1,3-Dichlorobenzene	ND	0.42	1.0	ug/l							
1,4-Dichlorobenzene	ND	0.48	1.0	ug/l							
2,4,6-Trichlorophenol	ND	0.22	1.0	ug/l							
2,4-Dichlorophenol	ND	0.26	1.0	ug/l							
2,4-Dimethylphenol	ND	0.76	1.0	ug/l							
2,4-Dinitrophenol	ND	1.9	10	ug/l							
2,4-Dinitrotoluene	ND	0.46	1.0	ug/l							
2,6-Dinitrotoluene	ND	0.27	1.0	ug/l							
2-Chloronaphthalene	ND	0.45	1.0	ug/l							
2-Chlorophenol	ND	0.28	1.0	ug/l							
2-Methyl-4,6-dinitrophenol	ND	0.50	5.0	ug/l							
2-Nitrophenol	ND	0.26	1.0	ug/l							
3,3'-Dichlorobenzidine	ND	2.5	5.0	ug/l							
4-Bromophenyl phenyl ether	ND	0.36	1.0	ug/l							
4-Chloro-3-methylphenol	ND	0.23	1.0	ug/l							
4-Chlorophenyl phenyl ether	ND	0.41	1.0	ug/l							
4-Nitrophenol	ND	1.2	5.0	ug/l							
Acenaphthene	ND	0.38	1.0	ug/l							
Acenaphthylene	ND	0.35	1.0	ug/l							
Anthracene	ND	0.41	1.0	ug/l							
Benzidine	ND	3.2	10	ug/l							
Benzo (a) anthracene	ND	0.19	1.0	ug/l							
Benzo (a) pyrene	ND	0.39	1.0	ug/l							
Benzo (b) fluoranthene	ND	0.46	1.0	ug/l							
Benzo (g,h,i) perylene	ND	0.42	2.0	ug/l							
Benzo (k) fluoranthene	ND	0.22	1.0	ug/l							
Bis(2-chloroethoxy)methane	ND	0.25	1.0	ug/l							
Bis(2-chloroethyl)ether	ND	0.27	1.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.38	1.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	2.3	5.0	ug/l							
Butyl benzyl phthalate	ND	0.49	1.0	ug/l							
Chrysene	ND	0.19	1.0	ug/l							
Dibenzo (a,h) anthracene	ND	0.15	2.0	ug/l							
Diethyl phthalate	ND	0.35	1.0	ug/l							
Dimethyl phthalate	ND	0.18	1.0	ug/l							
Di-n-butyl phthalate	ND	0.34	1.0	ug/l							

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0963 - EPA 625.1 (Continued)											
Blank (W2H0963-BLK1)					**Prepared: 08/11/22 Analyzed: 08/17/22**						
Di-n-octyl phthalate	ND	0.46	1.0	ug/l							
Fluoranthene	ND	0.35	1.0	ug/l							
Fluorene	ND	0.35	1.0	ug/l							
Hexachlorobenzene	ND	0.49	1.0	ug/l							
Hexachlorobutadiene	ND	0.47	1.0	ug/l							
Hexachlorocyclopentadiene	ND	0.31	5.0	ug/l							
Hexachloroethane	ND	0.50	1.0	ug/l							
Indeno (1,2,3-cd) pyrene	ND	0.25	2.0	ug/l							
Isophorone	ND	0.21	1.0	ug/l							
Naphthalene	ND	0.49	1.0	ug/l							
Nitrobenzene	ND	0.36	1.0	ug/l							
N-Nitrosodimethylamine	ND	0.50	1.0	ug/l							
N-Nitrosodi-n-propylamine	ND	0.26	1.0	ug/l							
N-Nitrosodiphenylamine	ND	0.19	1.0	ug/l							
Pentachlorophenol	ND	0.40	1.0	ug/l							
Phenanthrene	ND	0.32	1.0	ug/l							
Phenol	ND	0.81	1.0	ug/l							
Pyrene	ND	0.25	1.0	ug/l							
Surrogate(s)											
2,4,6-Tribromophenol	*26.0*			*ug/l*	*40.0*		*65*	*25-120*			
2-Fluorobiphenyl	*14.8*			*ug/l*	*20.0*		*74*	*22-120*			
2-Fluorophenol	*21.7*			*ug/l*	*40.0*		*54*	*17-120*			
Nitrobenzene-d5	*16.5*			*ug/l*	*20.0*		*83*	*47-120*			
Phenol-d5	*14.4*			*ug/l*	*40.0*		*36*	*12-120*			
Terphenyl-d14	*16.6*			*ug/l*	*20.0*		*83*	*44-129*			
LCS (W2H0963-BS1)					**Prepared: 08/11/22 Analyzed: 08/17/22**						
1,2,4-Trichlorobenzene	17.1	0.49	1.0	ug/l	20.0		85	57-130			
1,2-Dichlorobenzene	17.9	0.46	1.0	ug/l	20.0		90	57-120			
1,3-Dichlorobenzene	16.1	0.42	1.0	ug/l	20.0		81	55-120			
1,4-Dichlorobenzene	16.1	0.48	1.0	ug/l	20.0		81	55-120			
2,4,6-Trichlorophenol	18.3	0.22	1.0	ug/l	20.0		91	52-129			
2,4-Dichlorophenol	18.7	0.26	1.0	ug/l	20.0		94	53-122			
2,4-Dimethylphenol	16.2	0.76	1.0	ug/l	20.0		81	42-120			
2,4-Dinitrophenol	24.0	1.9	10	ug/l	20.0		120	0.1-173			
2,4-Dinitrotoluene	20.3	0.46	1.0	ug/l	20.0		101	48-127			
2,6-Dinitrotoluene	16.4	0.27	1.0	ug/l	20.0		82	68-137			
2-Chloronaphthalene	16.8	0.45	1.0	ug/l	20.0		84	65-120			
2-Chlorophenol	17.1	0.28	1.0	ug/l	20.0		85	36-120			
2-Methyl-4,6-dinitrophenol	22.2	0.50	5.0	ug/l	20.0		111	53-130			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0963 - EPA 625.1 (Continued)											
LCS (W2H0963-BS1)					**Prepared: 08/11/22**	**Analyzed: 08/17/22**					
2-Nitrophenol	20.7	0.26	1.0	ug/l	20.0		103	45-167			
3,3'-Dichlorobenzidine	14.1	2.5	5.0	ug/l	20.0		71	8-213			
4-Bromophenyl phenyl ether	18.4	0.36	1.0	ug/l	20.0		92	65-120			
4-Chloro-3-methylphenol	18.3	0.23	1.0	ug/l	20.0		91	41-128			
4-Chlorophenyl phenyl ether	16.9	0.41	1.0	ug/l	20.0		84	38-145			
4-Nitrophenol	8.97	1.2	5.0	ug/l	20.0		45	13-129			
Acenaphthene	18.9	0.38	1.0	ug/l	20.0		95	60-132			
Acenaphthylene	17.5	0.35	1.0	ug/l	20.0		88	54-126			
Anthracene	21.4	0.41	1.0	ug/l	20.0		107	43-120			
Benzidine	0.462	0.0	10	ug/l	20.0		2	0.1-200			J
Benzo (a) anthracene	23.3	0.19	1.0	ug/l	20.0		116	42-133			
Benzo (a) pyrene	23.7	0.39	1.0	ug/l	20.0		118	32-148			
Benzo (b) fluoranthene	22.7	0.46	1.0	ug/l	20.0		114	42-140			AN-IP
Benzo (g,h,i) perylene	19.7	0.42	2.0	ug/l	20.0		98	0.1-195			
Benzo (k) fluoranthene	22.6	0.22	1.0	ug/l	20.0		113	25-146			AN-IP
Bis(2-chloroethoxy)methane	17.3	0.25	1.0	ug/l	20.0		87	49-165			
Bis(2-chloroethyl)ether	16.7	0.27	1.0	ug/l	20.0		83	43-126			
Bis(2-chloroisopropyl)ether	18.4	0.38	1.0	ug/l	20.0		92	63-139			
Bis(2-ethylhexyl)phthalate	26.2	2.3	5.0	ug/l	20.0		131	29-137			
Butyl benzyl phthalate	25.6	0.49	1.0	ug/l	20.0		128	0.1-140			
Chrysene	19.1	0.19	1.0	ug/l	20.0		95	44-140			
Dibenzo (a,h) anthracene	18.8	0.15	2.0	ug/l	20.0		94	0.1-200			
Diethyl phthalate	18.8	0.35	1.0	ug/l	20.0		94	0.1-120			
Dimethyl phthalate	17.3	0.18	1.0	ug/l	20.0		86	0.1-120			
Di-n-butyl phthalate	23.5	0.34	1.0	ug/l	20.0		117	8-120			
Di-n-octyl phthalate	23.4	0.46	1.0	ug/l	20.0		117	19-132			
Fluoranthene	39.9	0.35	1.0	ug/l	20.0		200	43-121			Q-08
Fluorene	18.4	0.35	1.0	ug/l	20.0		92	70-120			
Hexachlorobenzene	18.6	0.49	1.0	ug/l	20.0		93	8-142			
Hexachlorobutadiene	17.4	0.47	1.0	ug/l	20.0		87	38-120			
Hexachlorocyclopentadiene	11.3	0.31	5.0	ug/l	20.0		56	10-120			
Hexachloroethane	16.8	0.50	1.0	ug/l	20.0		84	55-120			
Indeno (1,2,3-cd) pyrene	18.6	0.25	2.0	ug/l	20.0		93	0.1-151			
Isophorone	15.5	0.21	1.0	ug/l	20.0		78	47-180			
Naphthalene	16.8	0.49	1.0	ug/l	20.0		84	36-120			
Nitrobenzene	18.2	0.36	1.0	ug/l	20.0		91	54-158			
N-Nitrosodimethylamine	11.1	0.50	1.0	ug/l	20.0		56	22-120			
N-Nitrosodi-n-propylamine	19.1	0.26	1.0	ug/l	20.0		96	14-198			
N-Nitrosodiphenylamine	15.3	0.19	1.0	ug/l	20.0		76	47-120			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0963 - EPA 625.1 (Continued)											
LCS (W2H0963-BS1)					**Prepared: 08/11/22 Analyzed: 08/17/22**						
Pentachlorophenol	19.7	0.40	1.0	ug/l	20.0		98	41-120			
Phenanthrene	21.6	0.32	1.0	ug/l	20.0		108	65-120			
Phenol	7.18	0.81	1.0	ug/l	20.0		36	17-120			
Pyrene	23.3	0.25	1.0	ug/l	20.0		117	70-120			
Surrogate(s)											
2,4,6-Tribromophenol	*35.5*			*ug/l*	*40.0*		*89*	*25-120*			
2-Fluorobiphenyl	*17.3*			*ug/l*	*20.0*		*87*	*22-120*			
2-Fluorophenol	*22.3*			*ug/l*	*40.0*		*56*	*17-120*			
Nitrobenzene-d5	*19.7*			*ug/l*	*20.0*		*99*	*47-120*			
Phenol-d5	*15.9*			*ug/l*	*40.0*		*40*	*12-120*			
Terphenyl-d14	*21.6*			*ug/l*	*20.0*		*108*	*44-129*			
LCS Dup (W2H0963-BSD1)					**Prepared: 08/11/22 Analyzed: 08/17/22**						
1,2,4-Trichlorobenzene	14.8	0.49	1.0	ug/l	20.0		74	57-130	15	30	
1,2-Dichlorobenzene	14.8	0.46	1.0	ug/l	20.0		74	57-120	19	30	
1,3-Dichlorobenzene	13.8	0.42	1.0	ug/l	20.0		69	55-120	15	30	
1,4-Dichlorobenzene	13.7	0.48	1.0	ug/l	20.0		69	55-120	16	30	
2,4,6-Trichlorophenol	16.8	0.22	1.0	ug/l	20.0		84	52-129	9	30	
2,4-Dichlorophenol	16.6	0.26	1.0	ug/l	20.0		83	53-122	12	30	
2,4-Dimethylphenol	15.5	0.76	1.0	ug/l	20.0		77	42-120	4	30	
2,4-Dinitrophenol	23.3	1.9	10	ug/l	20.0		117	0.1-173	3	30	
2,4-Dinitrotoluene	19.1	0.46	1.0	ug/l	20.0		95	48-127	6	30	
2,6-Dinitrotoluene	15.9	0.27	1.0	ug/l	20.0		79	68-137	4	30	
2-Chloronaphthalene	15.1	0.45	1.0	ug/l	20.0		76	65-120	10	30	
2-Chlorophenol	14.9	0.28	1.0	ug/l	20.0		75	36-120	13	30	
2-Methyl-4,6-dinitrophenol	20.9	0.50	5.0	ug/l	20.0		104	53-130	6	30	
2-Nitrophenol	18.5	0.26	1.0	ug/l	20.0		93	45-167	11	30	
3,3'-Dichlorobenzidine	13.9	2.5	5.0	ug/l	20.0		70	8-213	1	30	
4-Bromophenyl phenyl ether	17.2	0.36	1.0	ug/l	20.0		86	65-120	7	30	
4-Chloro-3-methylphenol	17.0	0.23	1.0	ug/l	20.0		85	41-128	7	30	
4-Chlorophenyl phenyl ether	15.7	0.41	1.0	ug/l	20.0		79	38-145	7	30	
4-Nitrophenol	8.31	1.2	5.0	ug/l	20.0		42	13-129	8	30	
Acenaphthene	17.9	0.38	1.0	ug/l	20.0		90	60-132	5	30	
Acenaphthylene	16.0	0.35	1.0	ug/l	20.0		80	54-126	9	30	
Anthracene	19.6	0.41	1.0	ug/l	20.0		98	43-120	9	30	
Benzidine	2.52	0.0	10	ug/l	20.0		13	0.1-200	138	30	J
Benzo (a) anthracene	22.4	0.19	1.0	ug/l	20.0		112	42-133	4	30	
Benzo (a) pyrene	21.5	0.39	1.0	ug/l	20.0		108	32-148	10	30	
Benzo (b) fluoranthene	20.7	0.46	1.0	ug/l	20.0		103	42-140	9	30	AN-IP
Benzo (g,h,i) perylene	18.4	0.42	2.0	ug/l	20.0		92	0.1-195	7	30	

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Acid and Base/Neutral Extractables by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0963 - EPA 625.1 (Continued)											
LCS Dup (W2H0963-BSD1)					**Prepared: 08/11/22**	**Analyzed: 08/17/22**					
Benzo (k) fluoranthene	21.1	0.22	1.0	ug/l	20.0		106	25-146	7	30	AN-IP
Bis(2-chloroethoxy)methane	16.0	0.25	1.0	ug/l	20.0		80	49-165	8	30	
Bis(2-chloroethyl)ether	14.7	0.27	1.0	ug/l	20.0		73	43-126	13	30	
Bis(2-chloroisopropyl)ether	16.5	0.38	1.0	ug/l	20.0		83	63-139	11	30	
Bis(2-ethylhexyl)phthalate	25.4	2.3	5.0	ug/l	20.0		127	29-137	3	30	
Butyl benzyl phthalate	25.8	0.49	1.0	ug/l	20.0		129	0.1-140	0.6	30	
Chrysene	18.5	0.19	1.0	ug/l	20.0		93	44-140	3	30	
Dibenzo (a,h) anthracene	17.5	0.15	2.0	ug/l	20.0		87	0.1-200	7	30	
Diethyl phthalate	17.6	0.35	1.0	ug/l	20.0		88	0.1-120	7	30	
Dimethyl phthalate	16.0	0.18	1.0	ug/l	20.0		80	0.1-120	8	30	
Di-n-butyl phthalate	22.6	0.34	1.0	ug/l	20.0		113	8-120	4	30	
Di-n-octyl phthalate	22.3	0.46	1.0	ug/l	20.0		111	19-132	5	30	
Fluoranthene	38.1	0.35	1.0	ug/l	20.0		190	43-121	5	30	Q-08
Fluorene	16.9	0.35	1.0	ug/l	20.0		84	70-120	8	30	
Hexachlorobenzene	17.1	0.49	1.0	ug/l	20.0		85	8-142	8	30	
Hexachlorobutadiene	14.8	0.47	1.0	ug/l	20.0		74	38-120	16	30	
Hexachlorocyclopentadiene	10.0	0.31	5.0	ug/l	20.0		50	10-120	12	30	
Hexachloroethane	14.2	0.50	1.0	ug/l	20.0		71	55-120	17	30	
Indeno (1,2,3-cd) pyrene	17.2	0.25	2.0	ug/l	20.0		86	0.1-151	8	30	
Isophorone	14.5	0.21	1.0	ug/l	20.0		73	47-180	7	30	
Naphthalene	14.9	0.49	1.0	ug/l	20.0		74	36-120	12	30	
Nitrobenzene	16.5	0.36	1.0	ug/l	20.0		83	54-158	10	30	
N-Nitrosodimethylamine	10.1	0.50	1.0	ug/l	20.0		50	22-120	10	30	
N-Nitrosodi-n-propylamine	17.9	0.26	1.0	ug/l	20.0		89	14-198	7	30	
N-Nitrosodiphenylamine	14.4	0.19	1.0	ug/l	20.0		72	47-120	6	30	
Pentachlorophenol	18.4	0.40	1.0	ug/l	20.0		92	41-120	7	30	
Phenanthrene	21.3	0.32	1.0	ug/l	20.0		106	65-120	2	30	
Phenol	6.37	0.81	1.0	ug/l	20.0		32	17-120	12	30	
Pyrene	23.3	0.25	1.0	ug/l	20.0		116	70-120	0.1	30	
Surrogate(s)											
2,4,6-Tribromophenol	*34.0*			*ug/l*	*40.0*		*85*	*25-120*			
2-Fluorobiphenyl	*15.0*			*ug/l*	*20.0*		*75*	*22-120*			
2-Fluorophenol	*19.8*			*ug/l*	*40.0*		*49*	*17-120*			
Nitrobenzene-d5	*17.5*			*ug/l*	*20.0*		*87*	*47-120*			
Phenol-d5	*14.1*			*ug/l*	*40.0*		*35*	*12-120*			
Terphenyl-d14	*21.2*			*ug/l*	*20.0*		*106*	*44-129*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Anions by IC, EPA Method 300.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1193 - EPA 300.1											
Blank (W2H1193-BLK1)					**Prepared & Analyzed: 08/15/22**						
Bromate	ND	1.4	5.0	ug/l							
Chlorite	ND	2.2	10	ug/l							
Surrogate(s)											
Dichloroacetate	*529*			*ug/l*	*500*		*106*	*90-115*			
LCS (W2H1193-BS1)					**Prepared & Analyzed: 08/15/22**						
Bromate	98.6	1.4	5.0	ug/l	100		99	85-115			
Chlorite	99.6	2.2	10	ug/l	100		100	85-115			
Surrogate(s)											
Dichloroacetate	*521*			*ug/l*	*500*		*104*	*90-115*			
Matrix Spike (W2H1193-MS1)	**Source: 2H03055-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	103	1.4	5.0	ug/l	100	ND	103	64-133			
Chlorite	96.7	2.2	10	ug/l	100	ND	97	78-129			
Surrogate(s)											
Dichloroacetate	*545*			*ug/l*	*500*		*109*	*90-115*			
Matrix Spike (W2H1193-MS2)	**Source: 2H05020-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	97.8	1.4	5.0	ug/l	100	ND	98	64-133			
Chlorite	98.0	2.2	10	ug/l	100	ND	98	78-129			
Surrogate(s)											
Dichloroacetate	*521*			*ug/l*	*500*		*104*	*90-115*			
Matrix Spike Dup (W2H1193-MSD1)	**Source: 2H03055-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	106	1.4	5.0	ug/l	100	ND	106	64-133	3	20	
Chlorite	97.8	2.2	10	ug/l	100	ND	98	78-129	1	20	
Surrogate(s)											
Dichloroacetate	*541*			*ug/l*	*500*		*108*	*90-115*			
Matrix Spike Dup (W2H1193-MSD2)	**Source: 2H05020-01**				**Prepared & Analyzed: 08/15/22**						
Bromate	101	1.4	5.0	ug/l	100	ND	101	64-133	3	20	
Chlorite	99.4	2.2	10	ug/l	100	ND	99	78-129	1	20	
Surrogate(s)											
Dichloroacetate	*534*			*ug/l*	*500*		*107*	*90-115*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Carbamates and Urea Pesticides

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1369 - EPA 531.2											
Blank (W2H1369-BLK1)					**Prepared: 08/16/22 Analyzed: 08/17/22**						
3-Hydroxycarbofuran	ND	0.82	2.0	ug/l							
Aldicarb	ND	0.58	2.0	ug/l							
Aldicarb sulfone	ND	0.73	2.0	ug/l							
Aldicarb sulfoxide	ND	1.0	2.0	ug/l							
Carbaryl	ND	1.0	2.0	ug/l							
Carbofuran	ND	1.0	2.0	ug/l							
Methiocarb	ND	1.0	2.0	ug/l							
Methomyl	ND	1.3	2.0	ug/l							
Oxamyl	ND	1.1	2.0	ug/l							
Propoxur (Baygon)	ND	1.4	2.0	ug/l							
Surrogate(s)											
BDMC	*8.58*			*ug/l*	*10.0*		*86*	*70-130*			
LCS (W2H1369-BS1)					**Prepared: 08/16/22 Analyzed: 08/17/22**						
3-Hydroxycarbofuran	10.3	0.82	2.0	ug/l	10.0		103	70-130			
Aldicarb	10.8	0.58	2.0	ug/l	10.0		108	70-130			
Aldicarb sulfone	12.3	0.73	2.0	ug/l	10.0		123	70-130			
Aldicarb sulfoxide	12.6	1.0	2.0	ug/l	10.0		126	70-130			
Carbaryl	10.6	1.0	2.0	ug/l	10.0		106	70-130			
Carbofuran	11.1	1.0	2.0	ug/l	10.0		111	70-130			
Methiocarb	11.0	1.0	2.0	ug/l	10.0		110	70-130			
Methomyl	13.1	1.3	2.0	ug/l	10.0		131	70-130			Q-08
Oxamyl	12.8	1.1	2.0	ug/l	10.0		128	70-130			
Propoxur (Baygon)	11.3	1.4	2.0	ug/l	10.0		113	70-130			
Surrogate(s)											
BDMC	*10.5*			*ug/l*	*10.0*		*105*	*70-130*			
Matrix Spike (W2H1369-MS1)	**Source: 1G28007-02**				**Prepared: 08/16/22 Analyzed: 08/17/22**						
3-Hydroxycarbofuran	10.9	0.82	2.0	ug/l	10.0	ND	109	70-130			
Aldicarb	12.2	0.58	2.0	ug/l	10.0	ND	122	70-130			
Aldicarb sulfone	14.0	0.73	2.0	ug/l	10.0	ND	140	70-130			MS-01
Aldicarb sulfoxide	14.3	1.0	2.0	ug/l	10.0	ND	143	70-130			MS-01
Carbaryl	11.6	1.0	2.0	ug/l	10.0	ND	116	70-130			
Carbofuran	12.3	1.0	2.0	ug/l	10.0	ND	123	70-130			
Methiocarb	11.0	1.0	2.0	ug/l	10.0	ND	110	70-130			
Methomyl	14.9	1.3	2.0	ug/l	10.0	ND	149	70-130			Q-08
Oxamyl	14.4	1.1	2.0	ug/l	10.0	ND	144	70-130			MS-01
Propoxur (Baygon)	12.4	1.4	2.0	ug/l	10.0	ND	124	70-130			
Surrogate(s)											
BDMC	*8.67*			*ug/l*	*10.0*		*87*	*70-130*			
Matrix Spike Dup (W2H1369-MSD1)	**Source: 1G28007-02**				**Prepared: 08/16/22 Analyzed: 08/17/22**						
3-Hydroxycarbofuran	11.3	0.82	2.0	ug/l	10.0	ND	113	70-130	3	30	

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Carbamates and Urea Pesticides (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1369 - EPA 531.2 (Continued)											
Matrix Spike Dup (W2H1369-MSD1)	**Source: 1G28007-02**				**Prepared: 08/16/22**	**Analyzed: 08/17/22**					
Aldicarb	12.6	0.58	2.0	ug/l	10.0	ND	126	70-130	4	30	
Aldicarb sulfone	14.4	0.73	2.0	ug/l	10.0	ND	144	70-130	3	30	MS-01
Aldicarb sulfoxide	14.2	1.0	2.0	ug/l	10.0	ND	142	70-130	1	30	MS-01
Carbaryl	10.4	1.0	2.0	ug/l	10.0	ND	104	70-130	12	30	
Carbofuran	10.2	1.0	2.0	ug/l	10.0	ND	102	70-130	19	30	
Methiocarb	11.9	1.0	2.0	ug/l	10.0	ND	119	70-130	8	30	
Methomyl	14.7	1.3	2.0	ug/l	10.0	ND	147	70-130	1	30	Q-08
Oxamyl	14.0	1.1	2.0	ug/l	10.0	ND	140	70-130	3	30	MS-01
Propoxur (Baygon)	11.4	1.4	2.0	ug/l	10.0	ND	114	70-130	8	30	
Surrogate(s)											
BDMC	*10.8*			*ug/l*	*10.0*		*108*	*70-130*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1051 - EPA 515.4											
Blank (W2H1051-BLK1)					**Prepared: 08/12/22 Analyzed: 08/16/22**						
2,4,5-T	ND	0.030	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.026	0.20	ug/l							
2,4-D	ND	0.14	0.40	ug/l							
2,4-DB	ND	0.19	2.0	ug/l							
3,5-Dichlorobenzoic acid	ND	0.12	1.0	ug/l							
Acifluorfen	ND	0.030	0.40	ug/l							
Bentazon	ND	0.23	2.0	ug/l							
Dalapon	ND	0.11	0.40	ug/l							
DCPA	ND	0.029	0.10	ug/l							
Dicamba	ND	0.049	0.60	ug/l							
Dichloroprop	ND	0.12	0.30	ug/l							
Dinoseb	ND	0.033	0.40	ug/l							
Pentachlorophenol	ND	0.046	0.20	ug/l							
Picloram	ND	0.050	0.60	ug/l							
Surrogate(s)											
2,4-DCAA	*9.22*			*ug/l*	*10.0*		*92*	*70-130*			
LCS (W2H1051-BS1)					**Prepared: 08/12/22 Analyzed: 08/16/22**						
2,4,5-T	4.18	0.030	0.20	ug/l	4.00		105	70-130			
2,4,5-TP (Silvex)	4.16	0.026	0.20	ug/l	4.00		104	70-130			
2,4-D	8.32	0.14	0.40	ug/l	8.00		104	70-130			
2,4-DB	17.0	0.19	2.0	ug/l	16.0		106	70-130			
3,5-Dichlorobenzoic acid	8.26	0.12	1.0	ug/l	8.00		103	70-130			
Acifluorfen	4.19	0.030	0.40	ug/l	4.00		105	70-130			
Bentazon	15.9	0.23	2.0	ug/l	16.0		99	70-130			
Dalapon	7.98	0.11	0.40	ug/l	8.00		100	70-130			
DCPA	4.07	0.029	0.10	ug/l	4.00		102	70-130			
Dicamba	8.32	0.049	0.60	ug/l	8.00		104	70-130			
Dichloroprop	8.41	0.12	0.30	ug/l	8.00		105	70-130			
Dinoseb	4.18	0.033	0.40	ug/l	4.00		105	70-130			
Pentachlorophenol	4.07	0.046	0.20	ug/l	4.00		102	70-130			
Picloram	4.02	0.050	0.60	ug/l	4.00		101	70-130			
Surrogate(s)											
2,4-DCAA	*9.98*			*ug/l*	*10.0*		*100*	*70-130*			
Matrix Spike (W2H1051-MS1)	**Source: 2H04048-01**				**Prepared: 08/12/22 Analyzed: 08/16/22**						
2,4,5-T	4.21	0.030	0.20	ug/l	4.00	ND	105	70-130			
2,4,5-TP (Silvex)	4.13	0.026	0.20	ug/l	4.00	ND	103	70-130			
2,4-D	8.32	0.14	0.40	ug/l	8.00	ND	104	70-130			
2,4-DB	16.9	0.19	2.0	ug/l	16.0	ND	106	70-130			
3,5-Dichlorobenzoic acid	8.33	0.12	1.0	ug/l	8.00	ND	104	70-130			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Chlorinated Acids Herbicides by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1051 - EPA 515.4 (Continued)											
Matrix Spike (W2H1051-MS1)	**Source: 2H04048-01**				**Prepared: 08/12/22**	**Analyzed: 08/16/22**					
Acifluorfen	4.28	0.030	0.40	ug/l	4.00	ND	107	70-130			
Bentazon	16.1	0.23	2.0	ug/l	16.0	ND	100	70-130			
Dalapon	7.95	0.11	0.40	ug/l	8.00	ND	99	70-130			
DCPA	4.24	0.029	0.10	ug/l	4.00	ND	106	70-130			
Dicamba	8.34	0.049	0.60	ug/l	8.00	ND	104	70-130			
Dichloroprop	8.49	0.12	0.30	ug/l	8.00	ND	106	70-130			
Dinoseb	4.16	0.033	0.40	ug/l	4.00	ND	104	70-130			
Pentachlorophenol	4.10	0.046	0.20	ug/l	4.00	ND	102	70-130			
Picloram	4.07	0.050	0.60	ug/l	4.00	ND	102	70-130			
Surrogate(s)											
2,4-DCAA	*10.1*			*ug/l*	*10.0*		*101*	*70-130*			
Matrix Spike Dup (W2H1051-MSD1)	**Source: 2H04048-01**				**Prepared: 08/12/22**	**Analyzed: 08/16/22**					
2,4,5-T	4.18	0.030	0.20	ug/l	4.00	ND	105	70-130	0.7	30	
2,4,5-TP (Silvex)	4.05	0.026	0.20	ug/l	4.00	ND	101	70-130	2	30	
2,4-D	8.32	0.14	0.40	ug/l	8.00	ND	104	70-130	0.03	30	
2,4-DB	16.6	0.19	2.0	ug/l	16.0	ND	104	70-130	2	30	
3,5-Dichlorobenzoic acid	8.41	0.12	1.0	ug/l	8.00	ND	105	70-130	0.9	30	
Acifluorfen	4.28	0.030	0.40	ug/l	4.00	ND	107	70-130	0.06	30	
Bentazon	15.9	0.23	2.0	ug/l	16.0	ND	99	70-130	1	30	
Dalapon	8.24	0.11	0.40	ug/l	8.00	ND	103	70-130	4	30	
DCPA	4.17	0.029	0.10	ug/l	4.00	ND	104	70-130	2	30	
Dicamba	8.26	0.049	0.60	ug/l	8.00	ND	103	70-130	0.9	30	
Dichloroprop	8.43	0.12	0.30	ug/l	8.00	ND	105	70-130	0.7	30	
Dinoseb	4.07	0.033	0.40	ug/l	4.00	ND	102	70-130	2	30	
Pentachlorophenol	4.04	0.046	0.20	ug/l	4.00	ND	101	70-130	1	30	
Picloram	4.11	0.050	0.60	ug/l	4.00	ND	103	70-130	1	30	
Surrogate(s)											
2,4-DCAA	*9.87*			*ug/l*	*10.0*		*99*	*70-130*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1511 - EPA 508.1											
Blank (W2H1511-BLK1)					**Prepared: 08/18/22 Analyzed: 08/24/22**						
4,4´-DDD	ND	0.0030	0.010	ug/l							
4,4´-DDE	ND	0.0018	0.010	ug/l							
4,4´-DDT	ND	0.0030	0.010	ug/l							
Aldrin	ND	0.0040	0.010	ug/l							
alpha-BHC	ND	0.0019	0.010	ug/l							
Aroclor 1016	ND	0.016	0.10	ug/l							
Aroclor 1221	ND	0.044	0.10	ug/l							
Aroclor 1232	ND	0.010	0.10	ug/l							
Aroclor 1242	ND	0.074	0.10	ug/l							
Aroclor 1248	ND	0.094	0.10	ug/l							
Aroclor 1254	ND	0.087	0.10	ug/l							
Aroclor 1260	ND	0.038	0.10	ug/l							
beta-BHC	ND	0.0024	0.010	ug/l							
Chlordane (tech)	ND	0.067	0.10	ug/l							
Chlorothalonil	ND	0.0015	0.050	ug/l							
delta-BHC	ND	0.0030	0.010	ug/l							
Dieldrin	ND	0.0030	0.010	ug/l							
Endosulfan I	ND	0.0030	0.010	ug/l							
Endosulfan II	ND	0.0016	0.010	ug/l							
Endosulfan sulfate	ND	0.0030	0.010	ug/l							
Endrin	ND	0.0013	0.010	ug/l							
Endrin aldehyde	ND	0.0040	0.010	ug/l							
gamma-BHC (Lindane)	ND	0.0030	0.010	ug/l							
Heptachlor	ND	0.0017	0.010	ug/l							
Heptachlor epoxide	ND	0.0019	0.010	ug/l							
Hexachlorobenzene	ND	0.0040	0.050	ug/l							
Hexachlorocyclopentadiene	ND	0.0065	0.050	ug/l							
Methoxychlor	ND	0.0030	0.010	ug/l							
PCBs, Total	ND		0.50	ug/l							
Propachlor	ND	0.020	0.050	ug/l							
Toxaphene	ND	0.37	0.50	ug/l							
Trifluralin	ND	0.0020	0.010	ug/l							
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0841*			*ug/l*	*0.100*		*84*	*70-130*			
LCS (W2H1511-BS1)					**Prepared: 08/18/22 Analyzed: 08/24/22**						
4,4´-DDD	0.0884	0.0030	0.010	ug/l	0.100		88	70-130			
4,4´-DDE	0.0745	0.0018	0.010	ug/l	0.100		74	70-130			
4,4´-DDT	0.0932	0.0030	0.010	ug/l	0.100		93	70-130			
Aldrin	0.0340	0.0040	0.010	ug/l	0.100		34	50-130			Q-02

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Chlorinated Pesticides and/or PCBs by GC/ECD (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1511 - EPA 508.1 (Continued)											
LCS (W2H1511-BS1)					**Prepared: 08/18/22 Analyzed: 08/24/22**						
alpha-BHC	0.0800	0.0019	0.010	ug/l	0.100		80	70-130			
beta-BHC	0.0773	0.0024	0.010	ug/l	0.100		77	70-130			
delta-BHC	0.0838	0.0030	0.010	ug/l	0.100		84	70-130			
Dieldrin	0.0745	0.0030	0.010	ug/l	0.100		74	70-130			
Endosulfan I	0.0729	0.0030	0.010	ug/l	0.100		73	70-130			
Endosulfan II	0.0779	0.0016	0.010	ug/l	0.100		78	70-130			
Endosulfan sulfate	0.0962	0.0030	0.010	ug/l	0.100		96	70-130			
Endrin	0.0842	0.0013	0.010	ug/l	0.100		84	70-130			
Endrin aldehyde	0.0789	0.0040	0.010	ug/l	0.100		79	70-130			
gamma-BHC (Lindane)	0.0792	0.0030	0.010	ug/l	0.100		79	70-130			
Heptachlor	0.0852	0.0017	0.010	ug/l	0.100		85	70-130			
Heptachlor epoxide	0.0791	0.0019	0.010	ug/l	0.100		79	70-130			
Methoxychlor	0.0990	0.0030	0.010	ug/l	0.100		99	70-130			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0758*			*ug/l*	*0.100*		*76*	*70-130*			
LCS (W2H1511-BS2)					**Prepared: 08/18/22 Analyzed: 08/24/22**						
Toxaphene	1.03	0.37	0.50	ug/l	1.00		103	70-130			
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0723*			*ug/l*	*0.100*		*72*	*70-130*			
LCS Dup (W2H1511-BSD1)					**Prepared: 08/18/22 Analyzed: 08/24/22**						
4,4´-DDD	0.108	0.0030	0.010	ug/l	0.100		108	70-130	20	30	
4,4´-DDE	0.0833	0.0018	0.010	ug/l	0.100		83	70-130	11	30	
4,4´-DDT	0.108	0.0030	0.010	ug/l	0.100		108	70-130	15	30	
Aldrin	0.0434	0.0040	0.010	ug/l	0.100		43	50-130	24	30	Q-ME
alpha-BHC	0.101	0.0019	0.010	ug/l	0.100		101	70-130	23	30	
beta-BHC	0.0968	0.0024	0.010	ug/l	0.100		97	70-130	22	30	
delta-BHC	0.105	0.0030	0.010	ug/l	0.100		105	70-130	23	30	
Dieldrin	0.0890	0.0030	0.010	ug/l	0.100		89	70-130	18	30	
Endosulfan I	0.0878	0.0030	0.010	ug/l	0.100		88	70-130	19	30	
Endosulfan II	0.0956	0.0016	0.010	ug/l	0.100		96	70-130	20	30	
Endosulfan sulfate	0.121	0.0030	0.010	ug/l	0.100		121	70-130	23	30	
Endrin	0.102	0.0013	0.010	ug/l	0.100		102	70-130	20	30	
Endrin aldehyde	0.0928	0.0040	0.010	ug/l	0.100		93	70-130	16	30	
gamma-BHC (Lindane)	0.0991	0.0030	0.010	ug/l	0.100		99	70-130	22	30	
Heptachlor	0.0983	0.0017	0.010	ug/l	0.100		98	70-130	14	30	
Heptachlor epoxide	0.0961	0.0019	0.010	ug/l	0.100		96	70-130	19	30	
Methoxychlor	0.123	0.0030	0.010	ug/l	0.100		123	70-130	22	30	
Surrogate(s)											
4,4-Dibromobiphenyl	*0.0891*			*ug/l*	*0.100*		*89*	*70-130*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Diquat and Paraquat by EPA 549.2

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0719 - EPA 549.2											
Blank (W2H0719-BLK1)					**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	ND	0.90	4.0	ug/l							
Paraquat	ND	1.2	4.0	ug/l							
LCS (W2H0719-BS1)					**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	26.6	0.90	4.0	ug/l	20.0		133	70-130			Q-08
Paraquat	27.6	1.2	4.0	ug/l	20.0		138	70-130			Q-08
Matrix Spike (W2H0719-MS1)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	24.7	0.90	4.0	ug/l	20.0	ND	123	46-122			Q-08
Paraquat	23.4	1.2	4.0	ug/l	20.0	ND	117	38-129			
Matrix Spike (W2H0719-MS2)	**Source: 2H04102-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	29.7	0.90	4.0	ug/l	20.0	ND	148	46-122			Q-08
Paraquat	29.0	1.2	4.0	ug/l	20.0	ND	145	38-129			Q-08
Matrix Spike Dup (W2H0719-MSD1)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	21.4	0.90	4.0	ug/l	20.0	ND	107	46-122	14	30	
Paraquat	22.0	1.2	4.0	ug/l	20.0	ND	110	38-129	6	30	
Matrix Spike Dup (W2H0719-MSD2)	**Source: 2H04102-01**				**Prepared: 08/09/22**	**Analyzed: 08/25/22**					
Diquat	30.9	0.90	4.0	ug/l	20.0	ND	154	46-122	4	30	Q-08
Paraquat	27.5	1.2	4.0	ug/l	20.0	ND	138	38-129	5	30	Q-08

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Endothall By EPA 548.1

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0594 - EPA 548.1											
Blank (W2H0594-BLK1)					**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	ND	11	40	ug/l							
Blank (W2H0594-BLK2)					**Prepared: 08/09/22**	**Analyzed: 08/13/22**					
Endothall	ND	11	40	ug/l							QC-2
LCS (W2H0594-BS1)					**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	99.1	11	40	ug/l	100		99	31-117			
LCS (W2H0594-BS2)					**Prepared: 08/09/22**	**Analyzed: 08/13/22**					
Endothall	97.1	11	40	ug/l	100		97	31-117			QC-2
Matrix Spike (W2H0594-MS1)	**Source: 2H05046-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	7.75	0.0	80	ug/l	200	ND	4	0.1-109			J
Matrix Spike (W2H0594-MS2)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	22.6	22	80	ug/l	200	ND	11	0.1-109			J
Matrix Spike Dup (W2H0594-MSD1)	**Source: 2H05046-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	9.41	0.0	80	ug/l	200	ND	5	0.1-109	200	30	R-03, J
Matrix Spike Dup (W2H0594-MSD2)	**Source: 1G28007-01**				**Prepared: 08/09/22**	**Analyzed: 08/11/22**					
Endothall	22.7	22	80	ug/l	200	ND	11	0.1-109	0.7	30	J

Quality Control Results

(Continued)

Glyphosate by EPA 547

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1129 - EPA 547											
Blank (W2H1129-BLK1)					**Prepared & Analyzed: 08/12/22**						
Glyphosate	ND	1.8	5.0	ug/l							
LCS (W2H1129-BS1)					**Prepared & Analyzed: 08/12/22**						
Glyphosate	24.2	1.8	5.0	ug/l	25.0		97	70-130			
Matrix Spike (W2H1129-MS1)	**Source: 2G22002-07**				**Prepared & Analyzed: 08/12/22**						
Glyphosate	16.4	1.8	5.0	ug/l	25.0	ND	66	41-149			
Matrix Spike (W2H1129-MS2)	**Source: 2H11110-01**				**Prepared & Analyzed: 08/12/22**						
Glyphosate	17.7	1.8	5.0	ug/l	25.0	ND	71	41-149			
Matrix Spike Dup (W2H1129-MSD1)	**Source: 2G22002-07**				**Prepared & Analyzed: 08/12/22**						
Glyphosate	20.6	1.8	5.0	ug/l	25.0	ND	82	41-149	23	30	
Matrix Spike Dup (W2H1129-MSD2)	**Source: 2H11110-01**				**Prepared & Analyzed: 08/12/22**						
Glyphosate	22.7	1.8	5.0	ug/l	25.0	ND	91	41-149	25	30	

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Haloacetic Acids (HAAs) by GC/ECD

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1161 - EPA 552.3											
Blank (W2H1161-BLK1)					**Prepared & Analyzed: 08/15/22**						
Dibromoacetic acid (dbaa)	ND	0.28	1.0	ug/l							
Dichloroacetic acid (dcaa)	ND	0.29	1.0	ug/l							
Monobromoacetic acid (mbaa)	ND	0.34	1.0	ug/l							
Monochloroacetic acid (mcaa)	0.451	0.31	2.0	ug/l							J
Trichloroacetic acid (tcaa)	ND	0.29	1.0	ug/l							
Surrogate(s)											
2-Bromobutyric acid	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
LCS (W2H1161-BS1)					**Prepared & Analyzed: 08/15/22**						
Dibromoacetic acid (dbaa)	9.86	0.28	1.0	ug/l	10.0		99	70-130			
Dichloroacetic acid (dcaa)	9.84	0.29	1.0	ug/l	10.0		98	70-130			
Monobromoacetic acid (mbaa)	9.95	0.34	1.0	ug/l	10.0		99	70-130			
Monochloroacetic acid (mcaa)	9.84	0.31	2.0	ug/l	10.0		98	70-130			
Trichloroacetic acid (tcaa)	9.54	0.29	1.0	ug/l	10.0		95	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.2*			*ug/l*	*10.0*		*102*	*70-130*			
Matrix Spike (W2H1161-MS1)	**Source: 2F17011-01**				**Prepared & Analyzed: 08/15/22**						
Dibromoacetic acid (dbaa)	12.0	0.28	1.0	ug/l	10.0	2.26	97	70-130			
Dichloroacetic acid (dcaa)	10.6	0.29	1.0	ug/l	10.0	1.26	93	70-130			
Monobromoacetic acid (mbaa)	9.88	0.34	1.0	ug/l	10.0	0.517	94	70-130			
Monochloroacetic acid (mcaa)	9.50	0.31	2.0	ug/l	10.0	0.677	88	70-130			
Trichloroacetic acid (tcaa)	10.1	0.29	1.0	ug/l	10.0	0.889	92	70-130			
Surrogate(s)											
2-Bromobutyric acid	*10.9*			*ug/l*	*10.0*		*109*	*70-130*			
Matrix Spike Dup (W2H1161-MSD1)	**Source: 2F17011-01**				**Prepared & Analyzed: 08/15/22**						
Dibromoacetic acid (dbaa)	11.7	0.28	1.0	ug/l	10.0	2.26	95	70-130	2	30	
Dichloroacetic acid (dcaa)	10.5	0.29	1.0	ug/l	10.0	1.26	92	70-130	1	30	
Monobromoacetic acid (mbaa)	9.74	0.34	1.0	ug/l	10.0	0.517	92	70-130	1	30	
Monochloroacetic acid (mcaa)	9.86	0.31	2.0	ug/l	10.0	0.677	92	70-130	4	30	
Trichloroacetic acid (tcaa)	9.79	0.29	1.0	ug/l	10.0	0.889	89	70-130	3	30	
Surrogate(s)											
2-Bromobutyric acid	*10.9*			*ug/l*	*10.0*		*109*	*70-130*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Hexavalent Chromium by IC

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1192 - EPA 218.6											
Blank (W2H1192-BLK1)					**Prepared & Analyzed: 08/15/22**						
Chromium 6+	ND	0.0079	0.020	ug/l							
LCS (W2H1192-BS1)					**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.24	0.0079	0.020	ug/l	5.00		105	90-110			
Matrix Spike (W2H1192-MS1)	**Source: 2H11074-05**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.22	0.0079	0.020	ug/l	5.00	0.140	102	88-112			
Matrix Spike (W2H1192-MS2)	**Source: 2H11074-07**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.19	0.0079	0.020	ug/l	5.00	0.162	101	88-112			
Matrix Spike Dup (W2H1192-MSD1)	**Source: 2H11074-05**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.34	0.0079	0.020	ug/l	5.00	0.140	104	88-112	2	10	
Matrix Spike Dup (W2H1192-MSD2)	**Source: 2H11074-07**				**Prepared & Analyzed: 08/15/22**						
Chromium 6+	5.24	0.0079	0.020	ug/l	5.00	0.162	102	88-112	0.9	10	

Quality Control Results

(Continued)

Nitrosamines by isotopic dilution GC/MS CI Mode

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0652 - EPA 1625B											
Blank (W2H0652-BLK1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	ND	0.66	2.0	ng/l							
LCS (W2H0652-BS1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	1.95	0.66	2.0	ng/l	2.00		97	50-150			J
LCS Dup (W2H0652-BSD1)					**Prepared: 08/08/22 Analyzed: 08/11/22**						
N-Nitrosodimethylamine	1.86	0.66	2.0	ng/l	2.00		93	50-150	4	50	J

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0887 - EPA 1694M											
Blank (W2H0887-BLK1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Acetaminophen	ND	5.0	5.0	ng/l							
Amoxicillin	ND	20	20	ng/l							
Atenolol	ND	4.0	4.0	ng/l							
Atorvastatin	ND	4.0	4.0	ng/l							
Azithromycin	ND	20	20	ng/l							
Caffeine	ND	4.0	4.0	ng/l							
Carbamazepine	ND	4.0	4.0	ng/l							
Codeine	ND	80	80	ng/l							
Cotinine	ND	8.0	8.0	ng/l							
DEET	ND	4.0	4.0	ng/l							
Diazepam	ND	4.0	4.0	ng/l							
Erythromycin	ND	5.0	5.0	ng/l							
Fluoxetine	ND	4.0	4.0	ng/l							
Hydrocodone	ND	80	80	ng/l							
Meprobamate	ND	4.0	4.0	ng/l							
Methadone	ND	4.0	4.0	ng/l							
Morphine	ND	8.0	8.0	ng/l							
Oxybenzone	ND	4.0	4.0	ng/l							
Praziquantel	ND	4.0	4.0	ng/l							
Propranolol	ND	4.0	4.0	ng/l							
Sulfamethoxazole	ND	4.0	4.0	ng/l							
TCEP	ND	10	10	ng/l							
TCPP	ND	50	50	ng/l							
Trimethoprim	ND	4.0	4.0	ng/l							
Surrogate(s)											
Acetaminophen-d4	*3180*			*ng/l*	*3000*		*106*	*20-500*			
Amoxicillin-d4	*47400*			*ng/l*	*62500*		*76*	*20-500*			
Atenolol-d7	*377*			*ng/l*	*400*		*94*	*20-500*			
Azithromycin-d3	*1840*			*ng/l*	*2000*		*92*	*20-500*			
Caffeine-13C3	*190*			*ng/l*	*200*		*95*	*20-500*			
Carbamazepine- 13C2, d2	*38.6*			*ng/l*	*40.0*		*97*	*20-500*			
Codeine-d3	*284*			*ng/l*	*300*		*95*	*20-500*			
Cotinine-d3	*193*			*ng/l*	*200*		*96*	*20-500*			
DEET-d7	*20.7*			*ng/l*	*20.0*		*104*	*20-500*			
Diazepam-d5	*2040*			*ng/l*	*2000*		*102*	*20-500*			
Erythromycin-13C-d3	*202*			*ng/l*	*200*		*101*	*20-500*			
Fluoxetine-d5	*193*			*ng/l*	*200*		*96*	*20-500*			
Hydrocodone-d3	*312*			*ng/l*	*300*		*104*	*20-500*			
Methadone-d3	*39.2*			*ng/l*	*40.0*		*98*	*20-500*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0887 - EPA 1694M (Continued)											
Blank (W2H0887-BLK1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Surrogate(s)											
Morphine-d6	*2960*			*ng/l*	*3000*		*99*	*20-500*			
Propranolol-D7	*193*			*ng/l*	*200*		*97*	*20-500*			
Sulfamethoxazole-d4	*189*			*ng/l*	*200*		*94*	*20-500*			
Trimethoprim-d9	*192*			*ng/l*	*200*		*96*	*20-500*			
Blank (W2H0887-BLK2)					**Prepared: 08/10/22 Analyzed: 08/15/22**						
Ciprofloxacin	ND	20	20	ng/l							QC-2
Quinoline	ND	4.0	4.0	ng/l							QC-2
Surrogate(s)											
Atenolol-d7	*405*			*ng/l*	*400*		*101*	*20-500*			*QC-2*
Ciprofloxacin-d8	*1530*			*ng/l*	*1000*		*153*	*20-500*			*QC-2*
LCS (W2H0887-BS1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Acetaminophen	48.0	5.0	5.0	ng/l	50.0		96	50-150			
Amoxicillin	211	20	20	ng/l	200		105	50-150			
Atenolol	41.7	4.0	4.0	ng/l	40.0		104	50-150			
Atorvastatin	38.7	4.0	4.0	ng/l	40.0		97	50-150			
Azithromycin	155	20	20	ng/l	200		78	50-150			
Caffeine	42.3	4.0	4.0	ng/l	40.0		106	50-150			
Carbamazepine	41.4	4.0	4.0	ng/l	40.0		104	50-150			
Codeine	727	80	80	ng/l	800		91	50-150			
Cotinine	76.7	8.0	8.0	ng/l	80.0		96	50-150			
DEET	41.8	4.0	4.0	ng/l	40.0		105	50-150			
Diazepam	37.8	4.0	4.0	ng/l	40.0		95	50-150			
Erythromycin	37.6	5.0	5.0	ng/l	50.0		75	50-150			
Fluoxetine	37.2	4.0	4.0	ng/l	40.0		93	50-150			
Hydrocodone	815	80	80	ng/l	800		102	50-150			
Meprobamate	40.5	4.0	4.0	ng/l	40.0		101	50-150			
Methadone	36.6	4.0	4.0	ng/l	40.0		92	50-150			
Morphine	76.8	8.0	8.0	ng/l	80.0		96	50-150			
Oxybenzone	36.4	4.0	4.0	ng/l	40.0		91	50-150			
Praziquantel	41.3	4.0	4.0	ng/l	40.0		103	50-150			
Propranolol	36.4	4.0	4.0	ng/l	40.0		91	50-150			
Sulfamethoxazole	39.8	4.0	4.0	ng/l	40.0		100	50-150			
TCEP	96.4	10	10	ng/l	100		96	50-150			
TCPP	490	50	50	ng/l	500		98	50-150			
Trimethoprim	38.1	4.0	4.0	ng/l	40.0		95	50-150			
Surrogate(s)											
Acetaminophen-d4	*3060*			*ng/l*	*3000*		*102*	*20-500*			
Amoxicillin-d4	*51300*			*ng/l*	*62500*		*82*	*20-500*			
Atenolol-d7	*392*			*ng/l*	*400*		*98*	*20-500*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0887 - EPA 1694M (Continued)											
LCS (W2H0887-BS1)					**Prepared: 08/10/22 Analyzed: 08/12/22**						
Surrogate(s)											
Azithromycin-d3	*492*			*ng/l*	*2000*		*25*	*20-500*			
Caffeine-13C3	*204*			*ng/l*	*200*		*102*	*20-500*			
Carbamazepine- 13C2, d2	*37.9*			*ng/l*	*40.0*		*95*	*20-500*			
Codeine-d3	*328*			*ng/l*	*300*		*109*	*20-500*			
Cotinine-d3	*201*			*ng/l*	*200*		*101*	*20-500*			
DEET-d7	*18.8*			*ng/l*	*20.0*		*94*	*20-500*			
Diazepam-d5	*2310*			*ng/l*	*2000*		*116*	*20-500*			
Erythromycin-13C-d3	*259*			*ng/l*	*200*		*130*	*20-500*			
Fluoxetine-d5	*171*			*ng/l*	*200*		*86*	*20-500*			
Hydrocodone-d3	*285*			*ng/l*	*300*		*95*	*20-500*			
Methadone-d3	*34.5*			*ng/l*	*40.0*		*86*	*20-500*			
Morphine-d6	*3060*			*ng/l*	*3000*		*102*	*20-500*			
Propranolol-D7	*212*			*ng/l*	*200*		*106*	*20-500*			
Sulfamethoxazole-d4	*194*			*ng/l*	*200*		*97*	*20-500*			
Trimethoprim-d9	*210*			*ng/l*	*200*		*105*	*20-500*			
LCS (W2H0887-BS2)					**Prepared: 08/10/22 Analyzed: 08/15/22**						
Ciprofloxacin	166	20	20	ng/l	200		83	50-150			QC-2
Quinoline	44.8	4.0	4.0	ng/l	40.0		112	50-150			QC-2
Surrogate(s)											
Atenolol-d7	*397*			*ng/l*	*400*		*99*	*20-500*			QC-2
Ciprofloxacin-d8	*915*			*ng/l*	*1000*		*92*	*20-500*			QC-2
Matrix Spike (W2H0887-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22 Analyzed: 08/12/22**						
Acetaminophen	46.2	5.0	5.0	ng/l	50.0	ND	92	50-150			
Amoxicillin	199	20	20	ng/l	200	ND	100	50-150			
Atenolol	36.6	4.0	4.0	ng/l	40.0	ND	91	50-150			
Atorvastatin	47.1	4.0	4.0	ng/l	40.0	ND	118	50-150			
Azithromycin	208	20	20	ng/l	200	ND	104	50-150			
Caffeine	36.8	4.0	4.0	ng/l	40.0	ND	92	50-150			
Carbamazepine	40.7	4.0	4.0	ng/l	40.0	ND	102	50-150			
Codeine	815	80	80	ng/l	800	ND	102	50-150			
Cotinine	77.8	8.0	8.0	ng/l	80.0	ND	97	50-150			
DEET	34.8	4.0	4.0	ng/l	40.0	ND	87	50-150			
Diazepam	45.5	4.0	4.0	ng/l	40.0	ND	114	50-150			
Erythromycin	73.4	5.0	5.0	ng/l	50.0	ND	147	50-150			
Fluoxetine	39.5	4.0	4.0	ng/l	40.0	ND	99	50-150			
Hydrocodone	792	80	80	ng/l	800	ND	99	50-150			
Meprobamate	35.0	4.0	4.0	ng/l	40.0	ND	88	50-150			
Methadone	38.9	4.0	4.0	ng/l	40.0	ND	97	50-150			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0887 - EPA 1694M (Continued)											
Matrix Spike (W2H0887-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/12/22**					
Morphine	76.8	8.0	8.0	ng/l	80.0	ND	96	50-150			
Oxybenzone	36.1	4.0	4.0	ng/l	40.0	ND	90	50-150			
Praziquantel	43.5	4.0	4.0	ng/l	40.0	ND	109	50-150			
Propranolol	36.9	4.0	4.0	ng/l	40.0	ND	92	50-150			
Sulfamethoxazole	41.2	4.0	4.0	ng/l	40.0	ND	103	50-150			
TCEP	96.5	10	10	ng/l	100	ND	96	50-150			
TCPP	596	50	50	ng/l	500	ND	119	50-150			
Trimethoprim	36.3	4.0	4.0	ng/l	40.0	ND	91	50-150			
Surrogate(s)											
Acetaminophen-d4	*2950*			*ng/l*	*3000*		*98*	*20-500*			
Amoxicillin-d4	*54600*			*ng/l*	*62500*		*87*	*20-500*			
Atenolol-d7	*407*			*ng/l*	*400*		*102*	*20-500*			
Azithromycin-d3	*2300*			*ng/l*	*2000*		*115*	*20-500*			
Caffeine-13C3	*205*			*ng/l*	*200*		*102*	*20-500*			
Carbamazepine- 13C2, d2	*34.3*			*ng/l*	*40.0*		*86*	*20-500*			
Codeine-d3	*296*			*ng/l*	*300*		*99*	*20-500*			
Cotinine-d3	*204*			*ng/l*	*200*		*102*	*20-500*			
DEET-d7	*21.1*			*ng/l*	*20.0*		*106*	*20-500*			
Diazepam-d5	*1990*			*ng/l*	*2000*		*99*	*20-500*			
Erythromycin-13C-d3	*138*			*ng/l*	*200*		*69*	*20-500*			
Fluoxetine-d5	*208*			*ng/l*	*200*		*104*	*20-500*			
Hydrocodone-d3	*276*			*ng/l*	*300*		*92*	*20-500*			
Methadone-d3	*40.2*			*ng/l*	*40.0*		*101*	*20-500*			
Morphine-d6	*2820*			*ng/l*	*3000*		*94*	*20-500*			
Propranolol-D7	*189*			*ng/l*	*200*		*95*	*20-500*			
Sulfamethoxazole-d4	*189*			*ng/l*	*200*		*95*	*20-500*			
Trimethoprim-d9	*217*			*ng/l*	*200*		*109*	*20-500*			
Matrix Spike (W2H0887-MS2)	**Source: 1G28007-01RE1**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
Ciprofloxacin	193	20	20	ng/l	200	ND	96	50-150			QC-2
Quinoline	39.1	4.0	4.0	ng/l	40.0	ND	98	50-150			QC-2
Surrogate(s)											
Atenolol-d7	*423*			*ng/l*	*400*		*106*	*20-500*			*QC-2*
Ciprofloxacin-d8	*2580*			*ng/l*	*1000*		*258*	*20-500*			*QC-2*
Matrix Spike Dup (W2H0887-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/12/22**					
Acetaminophen	42.9	5.0	5.0	ng/l	50.0	ND	86	50-150	7	30	
Amoxicillin	206	20	20	ng/l	200	ND	103	50-150	3	30	
Atenolol	40.0	4.0	4.0	ng/l	40.0	ND	100	50-150	9	30	
Atorvastatin	45.4	4.0	4.0	ng/l	40.0	ND	113	50-150	4	30	
Azithromycin	196	20	20	ng/l	200	ND	98	50-150	6	30	

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0887 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0887-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/12/22**					
Caffeine	40.0	4.0	4.0	ng/l	40.0	ND	100	50-150	8	30	
Carbamazepine	36.2	4.0	4.0	ng/l	40.0	ND	90	50-150	12	30	
Codeine	764	80	80	ng/l	800	ND	95	50-150	6	30	
Cotinine	77.1	8.0	8.0	ng/l	80.0	ND	96	50-150	0.8	30	
DEET	33.2	4.0	4.0	ng/l	40.0	ND	83	50-150	5	30	
Diazepam	40.9	4.0	4.0	ng/l	40.0	ND	102	50-150	11	30	
Erythromycin	71.1	5.0	5.0	ng/l	50.0	ND	142	50-150	3	30	
Fluoxetine	40.8	4.0	4.0	ng/l	40.0	ND	102	50-150	3	30	
Hydrocodone	763	80	80	ng/l	800	ND	95	50-150	4	30	
Meprobamate	36.7	4.0	4.0	ng/l	40.0	ND	92	50-150	5	30	
Methadone	36.7	4.0	4.0	ng/l	40.0	ND	92	50-150	6	30	
Morphine	77.4	8.0	8.0	ng/l	80.0	ND	97	50-150	0.9	30	
Oxybenzone	38.9	4.0	4.0	ng/l	40.0	ND	97	50-150	7	30	
Praziquantel	42.9	4.0	4.0	ng/l	40.0	ND	107	50-150	1	30	
Propranolol	40.8	4.0	4.0	ng/l	40.0	ND	102	50-150	10	30	
Sulfamethoxazole	40.5	4.0	4.0	ng/l	40.0	ND	101	50-150	2	30	
TCEP	110	10	10	ng/l	100	ND	110	50-150	13	30	
TCPP	554	50	50	ng/l	500	ND	111	50-150	7	30	
Trimethoprim	36.9	4.0	4.0	ng/l	40.0	ND	92	50-150	2	30	
Surrogate(s)											
Acetaminophen-d4	*2990*			*ng/l*	*3000*		*100*	*20-500*			
Amoxicillin-d4	*52700*			*ng/l*	*62500*		*84*	*20-500*			
Atenolol-d7	*402*			*ng/l*	*400*		*100*	*20-500*			
Azithromycin-d3	*2360*			*ng/l*	*2000*		*118*	*20-500*			
Caffeine-13C3	*207*			*ng/l*	*200*		*104*	*20-500*			
Carbamazepine- 13C2, d2	*41.8*			*ng/l*	*40.0*		*104*	*20-500*			
Codeine-d3	*292*			*ng/l*	*300*		*97*	*20-500*			
Cotinine-d3	*200*			*ng/l*	*200*		*100*	*20-500*			
DEET-d7	*21.0*			*ng/l*	*20.0*		*105*	*20-500*			
Diazepam-d5	*1870*			*ng/l*	*2000*		*93*	*20-500*			
Erythromycin-13C-d3	*147*			*ng/l*	*200*		*73*	*20-500*			
Fluoxetine-d5	*212*			*ng/l*	*200*		*106*	*20-500*			
Hydrocodone-d3	*289*			*ng/l*	*300*		*96*	*20-500*			
Methadone-d3	*42.7*			*ng/l*	*40.0*		*107*	*20-500*			
Morphine-d6	*2710*			*ng/l*	*3000*		*90*	*20-500*			
Propranolol-D7	*190*			*ng/l*	*200*		*95*	*20-500*			
Sulfamethoxazole-d4	*187*			*ng/l*	*200*		*93*	*20-500*			
Trimethoprim-d9	*207*			*ng/l*	*200*		*104*	*20-500*			
Matrix Spike Dup (W2H0887-MSD2)	**Source: 1G28007-01RE1**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0887 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0887-MSD2)	**Source: 1G28007-01RE1**				**Prepared: 08/10/22**	**Analyzed: 08/15/22**					
Ciprofloxacin	195	20	20	ng/l	200	ND	98	50-150	1	30	QC-2
Quinoline	38.7	4.0	4.0	ng/l	40.0	ND	97	50-150	1	30	QC-2
Surrogate(s)											
Atenolol-d7	*419*			*ng/l*	*400*		*105*	*20-500*			*QC-2*
Ciprofloxacin-d8	*2700*			*ng/l*	*1000*		*270*	*20-500*			*QC-2*
Batch: W2H0888 - EPA 1694M											
Blank (W2H0888-BLK1)					**Prepared: 08/10/22**	**Analyzed: 08/16/22**					
17-a-Ethynylestradiol	ND	4.0	4.0	ng/l							
Diclofenac	ND	4.0	4.0	ng/l							
Diethylstilbestrol	ND	4.0	4.0	ng/l							
Epitestosterone	ND	4.0	4.0	ng/l							
Estriol	ND	4.0	4.0	ng/l							
Estrone	ND	4.0	4.0	ng/l							
Galaxolide (HHCB)	ND	40	40	ng/l							
Gemfibrozil	ND	4.0	4.0	ng/l							
Iopromide	ND	4.0	4.0	ng/l							
Naproxen	ND	4.0	4.0	ng/l							
Phenytoin (Dilantin)	ND	4.0	4.0	ng/l							
Primidone	ND	4.0	4.0	ng/l							
Progesterone	ND	4.0	4.0	ng/l							
Salicylic Acid	ND	100	100	ng/l							
TDCPP	ND	50	50	ng/l							
Testosterone	ND	4.0	4.0	ng/l							
Triclosan	ND	8.0	8.0	ng/l							
Surrogate(s)											
17-a-Ethynylestradiol-d4	*148*			*ng/l*	*200*		*74*	*20-500*			
Bisphenol A-d16	*157*			*ng/l*	*200*		*78*	*20-500*			
Estriol-d2	*193*			*ng/l*	*200*		*97*	*20-500*			
Gemfibrozil-d6	*75.9*			*ng/l*	*100*		*76*	*20-500*			
Naproxen-d3	*216*			*ng/l*	*200*		*108*	*20-500*			
Phenytoin-d10	*206*			*ng/l*	*200*		*103*	*20-500*			
Primidone-d5	*292*			*ng/l*	*200*		*146*	*20-500*			
Progesterone-d9	*175*			*ng/l*	*200*		*88*	*20-500*			
Salicylic Acid-d4	*516*			*ng/l*	*500*		*103*	*20-500*			
Testosterone-d3	*219*			*ng/l*	*200*		*109*	*20-500*			
Triclosan-d3	*244*			*ng/l*	*400*		*61*	*20-500*			
Blank (W2H0888-BLK2)					**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
Bisphenol A	ND	4.0	4.0	ng/l							QC-2
Diclofenac	ND	4.0	4.0	ng/l							QC-2

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0888 - EPA 1694M (Continued)											
Blank (W2H0888-BLK2)					**Prepared: 08/10/22 Analyzed: 08/17/22**						
Galaxolide (HHCB)	ND	40	40	ng/l							QC-2
Gemfibrozil	ND	4.0	4.0	ng/l							QC-2
Primidone	ND	4.0	4.0	ng/l							QC-2
Surrogate(s)											
17-a-Ethynylestradiol-d4	*151*			*ng/l*	*200*		*75*	*20-500*			*QC-2*
Bisphenol A-d16	*146*			*ng/l*	*200*		*73*	*20-500*			*QC-2*
Gemfibrozil-d6	*86.9*			*ng/l*	*100*		*87*	*20-500*			*QC-2*
Primidone-d5	*200*			*ng/l*	*200*		*100*	*20-500*			*QC-2*
LCS (W2H0888-BS1)					**Prepared: 08/10/22 Analyzed: 08/16/22**						
17-a-Ethynylestradiol	32.5	4.0	4.0	ng/l	40.0		81	50-150			
Diclofenac	33.1	4.0	4.0	ng/l	40.0		83	50-150			
Diethylstilbestrol	31.4	4.0	4.0	ng/l	40.0		78	50-150			
Epitestosterone	32.7	4.0	4.0	ng/l	40.0		82	50-150			
Estriol	36.5	4.0	4.0	ng/l	40.0		91	50-150			
Estrone	34.1	4.0	4.0	ng/l	40.0		85	50-150			
Galaxolide (HHCB)	450	40	40	ng/l	400		112	50-150			
Gemfibrozil	40.4	4.0	4.0	ng/l	40.0		101	50-150			
Iopromide	42.3	4.0	4.0	ng/l	40.0		106	50-150			
Naproxen	39.6	4.0	4.0	ng/l	40.0		99	50-150			
Phenytoin (Dilantin)	39.5	4.0	4.0	ng/l	40.0		99	50-150			
Primidone	39.6	4.0	4.0	ng/l	40.0		99	50-150			
Progesterone	39.5	4.0	4.0	ng/l	40.0		99	50-150			
Salicylic Acid	971	100	100	ng/l	1000		97	50-150			
TDCPP	604	50	50	ng/l	500		121	50-150			
Testosterone	40.3	4.0	4.0	ng/l	40.0		101	50-150			
Triclosan	75.6	8.0	8.0	ng/l	80.0		95	50-150			
Surrogate(s)											
17-a-Ethynylestradiol-d4	*180*			*ng/l*	*200*		*90*	*20-500*			
Bisphenol A-d16	*168*			*ng/l*	*200*		*84*	*20-500*			
Estriol-d2	*201*			*ng/l*	*200*		*100*	*20-500*			
Gemfibrozil-d6	*71.7*			*ng/l*	*100*		*72*	*20-500*			
Naproxen-d3	*209*			*ng/l*	*200*		*105*	*20-500*			
Phenytoin-d10	*200*			*ng/l*	*200*		*100*	*20-500*			
Primidone-d5	*287*			*ng/l*	*200*		*144*	*20-500*			
Progesterone-d9	*182*			*ng/l*	*200*		*91*	*20-500*			
Salicylic Acid-d4	*505*			*ng/l*	*500*		*101*	*20-500*			
Testosterone-d3	*210*			*ng/l*	*200*		*105*	*20-500*			
Triclosan-d3	*347*			*ng/l*	*400*		*87*	*20-500*			
LCS (W2H0888-BS2)					**Prepared: 08/10/22 Analyzed: 08/17/22**						

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0888 - EPA 1694M (Continued)											
LCS (W2H0888-BS2)					**Prepared: 08/10/22 Analyzed: 08/17/22**						
Bisphenol A	32.6	4.0	4.0	ng/l	40.0		81	50-150			QC-2
Diclofenac	39.6	4.0	4.0	ng/l	40.0		99	50-150			QC-2
Galaxolide (HHCB)	373	40	40	ng/l	400		93	50-150			QC-2
Gemfibrozil	36.5	4.0	4.0	ng/l	40.0		91	50-150			QC-2
Primidone	39.2	4.0	4.0	ng/l	40.0		98	50-150			QC-2
Surrogate(s)											
17-a-Ethynylestradiol-d4	*161*			*ng/l*	*200*		*80*	*20-500*			*QC-2*
Bisphenol A-d16	*176*			*ng/l*	*200*		*88*	*20-500*			*QC-2*
Gemfibrozil-d6	*88.3*			*ng/l*	*100*		*88*	*20-500*			*QC-2*
Primidone-d5	*203*			*ng/l*	*200*		*102*	*20-500*			*QC-2*
Matrix Spike (W2H0888-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22 Analyzed: 08/16/22**						
17-a-Ethynylestradiol	35.3	4.0	4.0	ng/l	40.0	ND	88	50-150			
Diclofenac	35.1	4.0	4.0	ng/l	40.0	ND	88	50-150			
Diethylstilbestrol	34.0	4.0	4.0	ng/l	40.0	ND	85	50-150			
Epitestosterone	34.3	4.0	4.0	ng/l	40.0	ND	86	50-150			
Estriol	36.7	4.0	4.0	ng/l	40.0	ND	92	50-150			
Estrone	36.0	4.0	4.0	ng/l	40.0	ND	90	50-150			
Galaxolide (HHCB)	321	40	40	ng/l	400	ND	80	50-150			
Gemfibrozil	39.6	4.0	4.0	ng/l	40.0	ND	99	50-150			
Iopromide	42.1	4.0	4.0	ng/l	40.0	ND	105	50-150			
Naproxen	37.6	4.0	4.0	ng/l	40.0	ND	94	50-150			
Phenytoin (Dilantin)	39.9	4.0	4.0	ng/l	40.0	ND	100	50-150			
Primidone	58.0	4.0	4.0	ng/l	40.0	ND	145	50-150			
Progesterone	36.8	4.0	4.0	ng/l	40.0	ND	92	50-150			
Salicylic Acid	1090	100	100	ng/l	1000	ND	109	50-150			
TDCPP	569	50	50	ng/l	500	ND	114	50-150			
Testosterone	41.3	4.0	4.0	ng/l	40.0	ND	103	50-150			
Triclosan	83.8	8.0	8.0	ng/l	80.0	ND	105	50-150			
Surrogate(s)											
17-a-Ethynylestradiol-d4	*168*			*ng/l*	*200*		*84*	*20-500*			
Bisphenol A-d16	*164*			*ng/l*	*200*		*82*	*20-500*			
Estriol-d2	*190*			*ng/l*	*200*		*95*	*20-500*			
Gemfibrozil-d6	*78.0*			*ng/l*	*100*		*78*	*20-500*			
Naproxen-d3	*216*			*ng/l*	*200*		*108*	*20-500*			
Phenytoin-d10	*209*			*ng/l*	*200*		*105*	*20-500*			
Primidone-d5	*269*			*ng/l*	*200*		*135*	*20-500*			
Progesterone-d9	*204*			*ng/l*	*200*		*102*	*20-500*			
Salicylic Acid-d4	*419*			*ng/l*	*500*		*84*	*20-500*			
Testosterone-d3	*188*			*ng/l*	*200*		*94*	*20-500*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0888 - EPA 1694M (Continued)											
Matrix Spike (W2H0888-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/16/22**					
Surrogate(s)											
Triclosan-d3	*320*			*ng/l*	*400*		*80*	*20-500*			
Matrix Spike (W2H0888-MS2)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
Bisphenol A	43.2	4.0	4.0	ng/l	40.0	ND	108	50-150			QC-2
Diclofenac	39.8	4.0	4.0	ng/l	40.0	ND	99	50-150			QC-2
Galaxolide (HHCB)	316	40	40	ng/l	400	ND	79	50-150			QC-2
Gemfibrozil	36.9	4.0	4.0	ng/l	40.0	ND	92	50-150			QC-2
Primidone	58.8	4.0	4.0	ng/l	40.0	ND	147	50-150			QC-2
Surrogate(s)											
17-a-Ethynylestradiol-d4	*164*			*ng/l*	*200*		*82*	*20-500*			*QC-2*
Bisphenol A-d16	*157*			*ng/l*	*200*		*79*	*20-500*			*QC-2*
Gemfibrozil-d6	*84.0*			*ng/l*	*100*		*84*	*20-500*			*QC-2*
Primidone-d5	*166*			*ng/l*	*200*		*83*	*20-500*			*QC-2*
Matrix Spike Dup (W2H0888-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/16/22**					
17-a-Ethynylestradiol	37.9	4.0	4.0	ng/l	40.0	ND	95	50-150	7	30	
Diclofenac	39.7	4.0	4.0	ng/l	40.0	ND	99	50-150	12	30	
Diethylstilbestrol	38.7	4.0	4.0	ng/l	40.0	ND	97	50-150	13	30	
Epitestosterone	35.2	4.0	4.0	ng/l	40.0	ND	88	50-150	2	30	
Estriol	37.8	4.0	4.0	ng/l	40.0	ND	95	50-150	3	30	
Estrone	37.1	4.0	4.0	ng/l	40.0	ND	93	50-150	3	30	
Galaxolide (HHCB)	431	40	40	ng/l	400	ND	108	50-150	29	30	
Gemfibrozil	39.3	4.0	4.0	ng/l	40.0	ND	98	50-150	0.8	30	
Iopromide	42.7	4.0	4.0	ng/l	40.0	ND	107	50-150	2	30	
Naproxen	40.9	4.0	4.0	ng/l	40.0	ND	102	50-150	8	30	
Phenytoin (Dilantin)	37.0	4.0	4.0	ng/l	40.0	ND	93	50-150	7	30	
Primidone	39.8	4.0	4.0	ng/l	40.0	ND	99	50-150	37	30	R-02
Progesterone	40.1	4.0	4.0	ng/l	40.0	ND	100	50-150	8	30	
Salicylic Acid	969	100	100	ng/l	1000	ND	97	50-150	12	30	
TDCPP	618	50	50	ng/l	500	ND	124	50-150	8	30	
Testosterone	39.9	4.0	4.0	ng/l	40.0	ND	100	50-150	3	30	
Triclosan	88.4	8.0	8.0	ng/l	80.0	ND	111	50-150	5	30	
Surrogate(s)											
17-a-Ethynylestradiol-d4	*152*			*ng/l*	*200*		*76*	*20-500*			
Bisphenol A-d16	*162*			*ng/l*	*200*		*81*	*20-500*			
Estriol-d2	*177*			*ng/l*	*200*		*88*	*20-500*			
Gemfibrozil-d6	*76.9*			*ng/l*	*100*		*77*	*20-500*			
Naproxen-d3	*208*			*ng/l*	*200*		*104*	*20-500*			
Phenytoin-d10	*226*			*ng/l*	*200*		*113*	*20-500*			
Primidone-d5	*271*			*ng/l*	*200*		*135*	*20-500*			
Progesterone-d9	*195*			*ng/l*	*200*		*98*	*20-500*			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0888 - EPA 1694M (Continued)											
Matrix Spike Dup (W2H0888-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/16/22**					
Surrogate(s)											
Salicylic Acid-d4	*424*			*ng/l*	*500*		*85*	*20-500*			
Testosterone-d3	*196*			*ng/l*	*200*		*98*	*20-500*			
Triclosan-d3	*290*			*ng/l*	*400*		*73*	*20-500*			
Matrix Spike Dup (W2H0888-MSD2)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
Bisphenol A	23.1	4.0	4.0	ng/l	40.0	ND	58	50-150	61	30	QC-2, R-02
Diclofenac	38.4	4.0	4.0	ng/l	40.0	ND	96	50-150	4	30	QC-2
Galaxolide (HHCB)	337	40	40	ng/l	400	ND	84	50-150	6	30	QC-2
Gemfibrozil	40.0	4.0	4.0	ng/l	40.0	ND	100	50-150	8	30	QC-2
Primidone	38.7	4.0	4.0	ng/l	40.0	ND	97	50-150	41	30	R-02, QC-2
Surrogate(s)											
17-a-Ethynylestradiol-d4	*173*			*ng/l*	*200*		*87*	*20-500*			*QC-2*
Bisphenol A-d16	*177*			*ng/l*	*200*		*88*	*20-500*			*QC-2*
Gemfibrozil-d6	*85.7*			*ng/l*	*100*		*86*	*20-500*			*QC-2*
Primidone-d5	*170*			*ng/l*	*200*		*85*	*20-500*			*QC-2*
Batch: W2H0889 - EPA 1694M											
Blank (W2H0889-BLK1)					**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
17-a-Estradiol	ND	4.0	4.0	ng/l							
17-b-Estradiol	ND	4.0	4.0	ng/l							
Ibuprofen	ND	4.0	4.0	ng/l							
Iohexol	ND	5.0	5.0	ng/l							
Sucralose	ND	20	20	ng/l							
Surrogate(s)											
17-b-Estradiol-d3	*186*			*ng/l*	*200*		*93*	*20-500*			
Ibuprofen-d3	*215*			*ng/l*	*200*		*107*	*20-500*			
Iohexol-d5	*540*			*ng/l*	*500*		*108*	*20-500*			
Sucralose-d6	*1060*			*ng/l*	*1000*		*106*	*20-500*			
LCS (W2H0889-BS1)					**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
17-a-Estradiol	39.6	4.0	4.0	ng/l	40.0		99	50-150			
17-b-Estradiol	38.0	4.0	4.0	ng/l	40.0		95	50-150			
Ibuprofen	39.6	4.0	4.0	ng/l	40.0		99	50-150			
Iohexol	48.3	5.0	5.0	ng/l	50.0		97	50-150			
Sucralose	212	20	20	ng/l	200		106	50-150			
Surrogate(s)											
17-b-Estradiol-d3	*206*			*ng/l*	*200*		*103*	*20-500*			
Ibuprofen-d3	*194*			*ng/l*	*200*		*97*	*20-500*			
Iohexol-d5	*533*			*ng/l*	*500*		*107*	*20-500*			
Sucralose-d6	*1050*			*ng/l*	*1000*		*105*	*20-500*			
Matrix Spike (W2H0889-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
17-a-Estradiol	37.3	4.0	4.0	ng/l	40.0	ND	93	50-150			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

PPCPs - Isotope Dilution LCMSMS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H0889 - EPA 1694M (Continued)											
Matrix Spike (W2H0889-MS1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
17-b-Estradiol	38.5	4.0	4.0	ng/l	40.0	ND	96	50-150			
Ibuprofen	41.2	4.0	4.0	ng/l	40.0	ND	103	50-150			
Iohexol	49.8	5.0	5.0	ng/l	50.0	ND	100	50-150			
Sucralose	225	20	20	ng/l	200	ND	112	50-150			
Surrogate(s)											
17-b-Estradiol-d3	*203*			*ng/l*	*200*		*102*	*20-500*			
Ibuprofen-d3	*197*			*ng/l*	*200*		*98*	*20-500*			
Iohexol-d5	*247*			*ng/l*	*500*		*49*	*20-500*			
Sucralose-d6	*522*			*ng/l*	*1000*		*52*	*20-500*			
Matrix Spike Dup (W2H0889-MSD1)	**Source: 1G28007-01**				**Prepared: 08/10/22**	**Analyzed: 08/17/22**					
17-a-Estradiol	38.5	4.0	4.0	ng/l	40.0	ND	96	50-150	3	30	
17-b-Estradiol	38.8	4.0	4.0	ng/l	40.0	ND	97	50-150	0.7	30	
Ibuprofen	35.4	4.0	4.0	ng/l	40.0	ND	88	50-150	15	30	
Iohexol	47.6	5.0	5.0	ng/l	50.0	ND	95	50-150	4	30	
Sucralose	216	20	20	ng/l	200	ND	108	50-150	4	30	
Surrogate(s)											
17-b-Estradiol-d3	*182*			*ng/l*	*200*		*91*	*20-500*			
Ibuprofen-d3	*220*			*ng/l*	*200*		*110*	*20-500*			
Iohexol-d5	*262*			*ng/l*	*500*		*52*	*20-500*			
Sucralose-d6	*594*			*ng/l*	*1000*		*59*	*20-500*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1378 - EPA 525.2											
Blank (W2H1378-BLK1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Alachlor	ND	0.030	0.10	ug/l							
Atrazine	ND	0.011	0.10	ug/l							
Benzo (a) pyrene	ND	0.020	0.10	ug/l							
Bis(2-ethylhexyl)adipate	ND	0.42	2.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	0.41	2.0	ug/l							
Bromacil	ND	0.070	0.50	ug/l							
Butachlor	ND	0.012	0.10	ug/l							
Captan	ND	0.32	1.0	ug/l							
Chlorpropham	ND	0.040	0.10	ug/l							
Diazinon	ND	0.022	0.10	ug/l							
Dimethoate	ND	0.020	0.20	ug/l							
Diphenamid	ND	0.030	0.10	ug/l							
Disulfoton	ND	0.015	0.10	ug/l							
EPTC	ND	0.020	0.10	ug/l							
Hexachlorocyclopentadiene	ND	0.092	1.0	ug/l							
Metolachlor	ND	0.030	0.10	ug/l							
Metribuzin	ND	0.030	0.10	ug/l							
Molinate	ND	0.030	0.10	ug/l							
Prometryn	ND	0.030	0.10	ug/l							
Simazine	ND	0.020	0.10	ug/l							
Terbacil	ND	0.090	2.0	ug/l							
Thiobencarb	ND	0.030	0.10	ug/l							
Trithion	ND	0.020	0.10	ug/l							
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*5.06*			*ug/l*	*5.00*		*101*	*70-130*			
Perylene-d12	*4.64*			*ug/l*	*5.00*		*93*	*50-120*			
Triphenyl phosphate	*5.32*			*ug/l*	*5.00*		*106*	*70-130*			
LCS (W2H1378-BS1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Alachlor	8.63	0.030	0.10	ug/l	7.50		115	70-130			
Atrazine	5.59	0.011	0.10	ug/l	5.00		112	70-130			
Benzo (a) pyrene	5.02	0.020	0.10	ug/l	5.00		100	60-130			
Bis(2-ethylhexyl)adipate	5.99	0.42	2.0	ug/l	5.00		120	70-130			
Bis(2-ethylhexyl)phthalate	5.31	0.41	2.0	ug/l	5.00		106	70-130			
Bromacil	5.93	0.070	0.50	ug/l	5.00		119	70-130			
Butachlor	5.67	0.012	0.10	ug/l	5.00		113	70-130			
Captan	5.40	0.32	1.0	ug/l	5.00		108	70-130			
Chlorpropham	5.99	0.040	0.10	ug/l	5.00		120	70-130			
Diazinon	4.50	0.022	0.10	ug/l	5.00		90	50-120			
Dimethoate	4.61	0.020	0.20	ug/l	5.00		92	50-120			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1378 - EPA 525.2 (Continued)											
LCS (W2H1378-BS1)					**Prepared: 08/17/22 Analyzed: 08/18/22**						
Diphenamid	5.53	0.030	0.10	ug/l	5.00		111	70-130			
Disulfoton	4.98	0.015	0.10	ug/l	5.00		100	50-120			
EPTC	6.28	0.020	0.10	ug/l	5.00		126	70-130			
Hexachlorocyclopentadiene	1.96	0.092	1.0	ug/l	2.50		78	33-106			
Metolachlor	5.28	0.030	0.10	ug/l	5.00		106	60-130			
Metribuzin	5.03	0.030	0.10	ug/l	5.00		101	50-120			
Molinate	5.03	0.030	0.10	ug/l	5.00		101	70-130			
Prometryn	2.51	0.030	0.10	ug/l	5.00		50	30-120			
Simazine	4.11	0.020	0.10	ug/l	5.00		82	60-130			
Terbacil	4.78	0.090	2.0	ug/l	5.00		96	70-130			
Thiobencarb	4.49	0.030	0.10	ug/l	5.00		90	70-130			
Trithion	4.58	0.020	0.10	ug/l	5.00		92	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*4.86*			*ug/l*	*5.00*		*97*	*70-130*			
Perylene-d12	*5.04*			*ug/l*	*5.00*		*101*	*50-120*			
Triphenyl phosphate	*5.65*			*ug/l*	*5.00*		*113*	*70-130*			
Matrix Spike (W2H1378-MS1)	**Source: 1G28007-01**				**Prepared: 08/17/22 Analyzed: 08/18/22**						
Alachlor	8.95	0.030	0.10	ug/l	7.54	ND	119	70-130			
Atrazine	5.40	0.011	0.10	ug/l	5.03	ND	107	70-130			
Benzo (a) pyrene	4.97	0.020	0.10	ug/l	5.03	ND	99	60-130			
Bis(2-ethylhexyl)adipate	5.86	0.42	2.0	ug/l	5.03	ND	117	70-130			
Bis(2-ethylhexyl)phthalate	5.21	0.41	2.0	ug/l	5.03	ND	104	70-130			
Bromacil	5.93	0.070	0.50	ug/l	5.03	ND	118	70-130			
Butachlor	5.68	0.012	0.10	ug/l	5.03	ND	113	70-130			
Captan	5.46	0.32	1.0	ug/l	5.03	ND	109	70-130			
Chlorpropham	6.12	0.040	0.10	ug/l	5.03	ND	122	70-130			
Diazinon	5.02	0.022	0.10	ug/l	5.03	ND	100	50-120			
Dimethoate	4.84	0.020	0.20	ug/l	5.03	ND	96	50-120			
Diphenamid	5.45	0.030	0.10	ug/l	5.03	ND	109	70-130			
Disulfoton	5.00	0.015	0.10	ug/l	5.03	ND	99	50-120			
EPTC	6.15	0.020	0.10	ug/l	5.03	ND	122	70-130			
Hexachlorocyclopentadiene	2.15	0.092	1.0	ug/l	2.51	ND	86	33-106			
Metolachlor	5.43	0.030	0.10	ug/l	5.03	ND	108	60-130			
Metribuzin	5.13	0.030	0.10	ug/l	5.03	ND	102	50-120			
Molinate	4.97	0.030	0.10	ug/l	5.03	ND	99	70-130			
Prometryn	2.70	0.030	0.10	ug/l	5.03	ND	54	30-120			
Simazine	4.27	0.020	0.10	ug/l	5.03	ND	85	60-130			
Terbacil	4.83	0.090	2.0	ug/l	5.03	ND	96	70-130			
Thiobencarb	4.45	0.030	0.10	ug/l	5.03	ND	88	70-130			

Enthalpy Analytical - Orange
931 West Barkley Avenue
Orange, CA 92868

Project Number: EO-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Semivolatile Organic Compounds by GC/MS (Continued)

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1378 - EPA 525.2 (Continued)											
Matrix Spike (W2H1378-MS1)	**Source: 1G28007-01**				**Prepared: 08/17/22**	**Analyzed: 08/18/22**					
Trithion	4.68	0.020	0.10	ug/l	5.03	ND	93	70-130			
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*5.03*			*ug/l*	*5.03*		*100*	*70-130*			
Perylene-d12	*5.17*			*ug/l*	*5.03*		*103*	*50-120*			
Triphenyl phosphate	*5.58*			*ug/l*	*5.03*		*111*	*70-130*			
Matrix Spike Dup (W2H1378-MSD1)	**Source: 1G28007-01**				**Prepared: 08/17/22**	**Analyzed: 08/18/22**					
Alachlor	9.31	0.030	0.10	ug/l	7.63	ND	122	70-130	4	30	
Atrazine	5.74	0.011	0.10	ug/l	5.09	ND	113	70-130	6	30	
Benzo (a) pyrene	5.06	0.020	0.10	ug/l	5.09	ND	100	60-130	2	30	
Bis(2-ethylhexyl)adipate	6.09	0.42	2.0	ug/l	5.09	ND	120	70-130	4	30	
Bis(2-ethylhexyl)phthalate	5.37	0.41	2.0	ug/l	5.09	ND	106	70-130	3	30	
Bromacil	6.09	0.070	0.50	ug/l	5.09	ND	120	70-130	3	30	
Butachlor	5.94	0.012	0.10	ug/l	5.09	ND	117	70-130	4	30	
Captan	5.62	0.32	1.0	ug/l	5.09	ND	110	70-130	3	30	
Chlorpropham	6.32	0.040	0.10	ug/l	5.09	ND	124	70-130	3	30	
Diazinon	5.03	0.022	0.10	ug/l	5.09	ND	99	50-120	0.2	30	
Dimethoate	5.23	0.020	0.20	ug/l	5.09	ND	103	50-120	8	30	
Diphenamid	5.61	0.030	0.10	ug/l	5.09	ND	110	70-130	3	30	
Disulfoton	5.09	0.015	0.10	ug/l	5.09	ND	100	50-120	2	30	
EPTC	6.32	0.020	0.10	ug/l	5.09	ND	124	70-130	3	30	
Hexachlorocyclopentadiene	2.16	0.092	1.0	ug/l	2.54	ND	85	33-106	0.4	30	
Metolachlor	5.50	0.030	0.10	ug/l	5.09	ND	108	60-130	1	30	
Metribuzin	5.35	0.030	0.10	ug/l	5.09	ND	105	50-120	4	30	
Molinate	5.00	0.030	0.10	ug/l	5.09	ND	98	70-130	0.6	30	
Prometryn	2.92	0.030	0.10	ug/l	5.09	ND	57	30-120	8	30	
Simazine	4.32	0.020	0.10	ug/l	5.09	ND	85	60-130	1	30	
Terbacil	4.74	0.090	2.0	ug/l	5.09	ND	93	70-130	2	30	
Thiobencarb	4.58	0.030	0.10	ug/l	5.09	ND	90	70-130	3	30	
Trithion	4.75	0.020	0.10	ug/l	5.09	ND	93	70-130	1	30	
Surrogate(s)											
1,3-Dimethyl-2-nitrobenzene	*5.06*			*ug/l*	*5.09*		*100*	*70-130*			
Perylene-d12	*5.18*			*ug/l*	*5.09*		*102*	*50-120*			
Triphenyl phosphate	*5.76*			*ug/l*	*5.09*		*113*	*70-130*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Quality Control Results

(Continued)

Volatile Organics by P&T and GC/MS

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W2H1133 - EPA 524.3											
Blank (W2H1133-BLK1)					**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	ND	0.0042	0.010	ug/l							
1,2-Dibromoethane (EDB)	ND	0.0029	0.020	ug/l							
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.400*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.346*			*ug/l*	*0.400*		*86*	*70-130*			
LCS (W2H1133-BS1)					**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	0.0623	0.0042	0.010	ug/l	0.0500		125	70-130			
1,2-Dibromoethane (EDB)	0.0563	0.0029	0.020	ug/l	0.0500		113	70-130			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.397*			*ug/l*	*0.400*		*99*	*70-130*			
4-Bromofluorobenzene	*0.354*			*ug/l*	*0.400*		*89*	*70-130*			
Matrix Spike (W2H1133-MS1)	**Source: 2G15022-01**				**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	0.0588	0.0042	0.010	ug/l	0.0500	ND	118	65-135			
1,2-Dibromoethane (EDB)	0.0672	0.0029	0.020	ug/l	0.0500	ND	134	65-135			
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.401*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.313*			*ug/l*	*0.400*		*78*	*70-130*			
Matrix Spike Dup (W2H1133-MSD1)	**Source: 2G15022-01**				**Prepared: 08/12/22 Analyzed: 08/13/22**						
1,2-Dibromo-3-chloropropane	0.0547	0.0042	0.010	ug/l	0.0500	ND	109	65-135	7	30	
1,2-Dibromoethane (EDB)	0.0612	0.0029	0.020	ug/l	0.0500	ND	122	65-135	9	30	
Surrogate(s)											
1,2-Dichlorobenzene-d4	*0.399*			*ug/l*	*0.400*		*100*	*70-130*			
4-Bromofluorobenzene	*0.303*			*ug/l*	*0.400*		*76*	*70-130*			

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-466831

Project Manager: Ranjit Clarke

Reported:
10/03/2022 16:46

Notes and Definitions

Item	Definition
AN-IP	Sample results for structural isomers may have contribution from their isomeric pair.
J	Estimated conc. detected <MRL and >MDL.
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-01	The spike recovery for this QC sample is outside of established control limits possibly due to sample matrix interference.
Q-02	Low recovery of this analyte in the QC sample. The analysis of the low level standard produced acceptable recovery indicating that the sample result might be accurately reported as Not Detected.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
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 MDL and/or MRL 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.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
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.

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

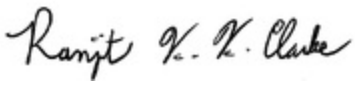
Lab Job Number: 466836
Report Level: II
Report Date: 08/15/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	466836
Project No:	MALIBU
Location:	Annual
Date Received:	08/04/22

Sample ID	Lab ID	Collected	Matrix
CCPE	466836-001	08/04/22 12:45	Water
MCWP-MW05	466836-002	08/04/22 10:10	Water
MCWP-MW06	466836-003	08/04/22 14:05	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 466836 Project No: MALIBU Location: Annual Date Received: 08/04/22

This data package contains sample and QC results for three water samples, requested for the above referenced project on 08/04/22. The samples were received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):
No 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 Dissolved Solids (TDS) (SM2540C):
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: 460836		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:	26-09665
Email:	kbrtalik@rinconconsultants.com	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	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		4.0/2.6
~~MCWP-MW10~~						X	X	X	X	X		2.6/1.3
CCPE	8/4/22	1245	GW	5	✓	X	X	X	X	X		
~~MBGMW-9~~						X	X	X	X	X		
~~SMBRP-7B~~						X	X	X	X	X		
~~SMBRP-12~~						X	X	X	X	X		
~~SMBRP-11~~						X	X	X	X	X		
MCWP-MW05	8/4/22	1010	GW	2						X	X	
MCWP-MW06	8/4/22	1405	GW	2						X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		LANDON LUJAN	RINCON	8/4/22 1420
[1] Received By:		Gerardo Gawat	EA	8.4.22 1421
[2] Relinquished By:		C Gawat	EA	8.4.22 1635
[2] Received By:		G Gm	EA	8/4/22 1635
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu - Annual

Date Received: 8/4/22 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: 4.0 #2: 2.6 #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: 2.6 #2: 1.3 #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: 8/4/22

ENTHALPY ANALYTICAL

Analysis Results for 466836

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 466836
Project No: MALIBU
Location: Annual
Date Received: 08/04/22

Sample ID: CCPE **Lab ID: 466836-001** **Collected: 08/04/22 12:45**
Matrix: Water

466836-001 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	294366	08/04/22 14:19	08/05/22 02:02	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.03	1	294366	08/04/22 14:19	08/05/22 02:02	RKV
Nitrogen, Nitrate/Nitrite	**1.5**		mg/L	0.10		1	294366	08/04/22 14:19	08/05/22 02:02	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.24**		mg/L			1	294825	08/10/22	08/10/22	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.11**		mg/L	0.10	0.045	1	294678	08/09/22	08/09/22	ATP
Nitrogen, Total Kjeldahl	**0.35**	J	mg/L	0.40	0.12	1	294755	08/10/22	08/10/22	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.0054	1	294923	08/11/22	08/11/22	ATP
Method: SM 9223Bb										
Coliform, Total	**11**		MPN/100ml	1.0		1	294401	08/04/22 18:40	08/05/22 13:42	AJL
Fecal Coliform	<1.0		MPN/100ml	1.0		1	294401	08/04/22 18:40	08/05/22 13:42	AJL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	294682	08/09/22	08/10/22	DNA

Sample ID: MCWP-MW05 **Lab ID: 466836-002** **Collected: 08/04/22 10:10**
Matrix: Water

466836-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**2.4**		mg/L	0.10	0.03	1	294366	08/04/22 14:19	08/05/22 02:36	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	294682	08/09/22	08/10/22	DNA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 466836

Sample ID: MCWP-MW06	Lab ID: 466836-003	Collected: 08/04/22 14:05
	Matrix: Water	

466836-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	294366	08/04/22 14:19	08/05/22 03:10	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	294682	08/09/22	08/10/22	DNA

< 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:** QC1004646	**Batch:** 294366
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004646 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	08/04/22 14:19	08/04/22 21:49
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	08/04/22 14:19	08/04/22 21:49
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/04/22 14:19	08/04/22 21:49

Type: Lab Control Sample	**Lab ID:** QC1004647	**Batch:** 294366
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004647 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	2.433	2.283	mg/L	107%		90-110
Nitrogen, Nitrate	2.370	2.259	mg/L	105%		90-110

Type: Matrix Spike	**Lab ID:** QC1004648	**Batch:** 294366
Matrix (Source ID): Water (466789-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004648 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	2.542	0.5607	1.827	mg/L	108%		80-120	1
Nitrogen, Nitrate	6.943	4.940	1.807	mg/L	111%	E	80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1004649	**Batch:** 294366
Matrix (Source ID): Water (466789-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004649 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	2.515	0.5607	1.827	mg/L	107%		80-120	1	20	1
Nitrogen, Nitrate	6.920	4.940	1.807	mg/L	110%	E	80-120		20	1

Type: Matrix Spike	**Lab ID:** QC1004650	**Batch:** 294366
Matrix (Source ID): Water (466806-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1004650 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.990	ND	1.827	mg/L	109%		80-120	1
Nitrogen, Nitrate	2.151	0.1475	1.807	mg/L	111%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1004651**	**Batch:**	**294366**
Matrix (Source ID):	**Water (466806-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1004651 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	2.010	ND	1.827	mg/L	110%		80-120	1	20	1
Nitrogen, Nitrate	2.176	0.1475	1.807	mg/L	112%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC1005603**	**Batch:**	**294678**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC1005603 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	08/09/22	08/09/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005604**	**Batch:**	**294678**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC1005604 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.429	2.500	mg/L	97%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1005605**	**Batch:**	**294678**
Matrix (Source ID):	**Water (466836-001)**	**Method:**	**SM 4500-NH3-G**		

QC1005605 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.527	0.1060	2.500	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1005606**	**Batch:**	**294678**
Matrix (Source ID):	**Water (466836-001)**	**Method:**	**SM 4500-NH3-G**		

QC1005606 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.554	0.1060	2.500	mg/L	98%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC1005763**	**Batch:**	**294755**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC1005763 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	08/10/22	08/10/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1005764 **Batch:** 294755
Matrix: Water **Method:** SM 4500-NH3-G

QC1005764 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.691	2.500	mg/L	108%		80-120

Type: Matrix Spike **Lab ID:** QC1005765 **Batch:** 294755
Matrix (Source ID): Water (466764-001) **Method:** SM 4500-NH3-G

QC1005765 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.04	0.6826	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC1005766 **Batch:** 294755
Matrix (Source ID): Water (466764-001) **Method:** SM 4500-NH3-G

QC1005766 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.38	0.6826	12.50	mg/L	102%		80-120	3	20	2.5

Type: Blank **Lab ID:** QC1006289 **Batch:** 294923
Matrix: Water **Method:** SM 4500-P-B5-E

QC1006289 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	08/11/22	08/11/22

Type: Lab Control Sample **Lab ID:** QC1006290 **Batch:** 294923
Matrix: Water **Method:** SM 4500-P-B5-E

QC1006290 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3970	0.4000	mg/L	99%		80-120

Type: Matrix Spike **Lab ID:** QC1006291 **Batch:** 294923
Matrix (Source ID): Water (466831-001) **Method:** SM 4500-P-B5-E

QC1006291 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.108	0.1170	1.000	mg/L	99%		75-125	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1006292**	**Batch:**	**294923**
Matrix (Source ID):	**Water (466831-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1006292 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.105	0.1170	1.000	mg/L	99%		75-125	0	20	2.5

Type:	**Blank**	**Lab ID:**	**QC1005592**	**Batch:**	**294682**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1005592 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/09/22	08/10/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1005593**	**Batch:**	**294682**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1005593 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	360.0	342.0	mg/L	105%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC1005594**	**Batch:**	**294682**
Matrix (Source ID):	**Water (466899-001)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC1005594 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	2,490	2428	mg/L		3	5	2

E Response exceeds instrument's linear range
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

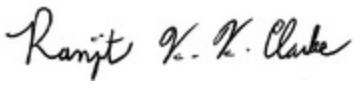
Lab Job Number: 472123
Report Level: II
Report Date: 11/22/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	472123
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	11/02/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	472123-001	11/02/22 12:10	Water
MCWP-MW07S	472123-002	11/02/22 10:10	Water
MCWP-MW07D	472123-003	11/02/22 10:25	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 472123 Project No: MALIBU Location: Malibu - Quarterly Date Received: 11/02/22

This data package contains sample and QC results for three water samples, requested for the above referenced project on 11/02/22. 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 for batch 300254; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. High recoveries were observed for nitrogen, nitrate; the LCS was within limits, and the associated RPD was within limits.
- Low recoveries were observed for nitrogen, nitrite in the MS/MSD for batch 300254; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits.
- Chloride was detected between the MDL and the RL in the method blank for batch 300456; this analyte was detected in the sample at a level at least 10 times that of the blank.
- Chloride was detected between the MDL and the RL in the method blank for batch 300574; this analyte was detected in samples at a level at least 10 times that of the blank.
- Nitrogen, nitrate was analyzed outside of hold time; affected data was qualified with "H".
- 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):

- Low recoveries were observed for phosphorus in the MS/MSD of SMBRP-9 (lab # 472123-001); the LCS was within limits.
- No other 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 Nitrogen, 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.

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):

- MBAS are calculated and reported as Linear Anionic Surfactants with a molecular weight of 348 g/mol.
- 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:	472123			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
Report To:	Kiernan Brtalik	Number:	20-09665
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	LANDON LUJAN

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	11/2/22	1210				X	X	X	X	X	X	X	X			5.4/2.5 5.8/2.4
~~SMBRP-12~~						X	X	X	X	X	X	X	X			
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			
MCWP-MW07S	11/2/22	1010				X	X	X	X	X	X	X	X			
MCWP-MW07D	11/2/22	1025				X	X	X	X	X	X	X	X			
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		LANDON LUJAN	RINCON CONSULTANTS	11/2/22 1408
[1] Received By:		GGawat	EA	11.02.22 1408
[2] Relinquished By:		GGawat	EA	11.02.22 1610
[2] Received By:		NICK	EA	11-2-22 1610
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Quarterly

Date Received: 11/02/22 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: 5.4 #2: 5.0 #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: 2.5 #2: 2.4 #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: 11-2-22

ENTHALPY ANALYTICAL

Analysis Results for 472123

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 472123
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 11/02/22

Sample ID: SMBRP-9 **Lab ID: 472123-001** **Collected: 11/02/22 12:10**
Matrix: Water

472123-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**3.1**	J	mg/L	5.6	1.6	1.1	301072	11/08/22	11/08/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.60**		mg/L	0.050	0.010	1	300364	11/04/22	11/05/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**140**		mg/L	10	5.0	10	300574	11/07/22 13:21	11/07/22 17:22	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	300254	11/02/22 18:48	11/03/22 07:26	RKV
Nitrogen, Nitrate	**7.7**		mg/L	0.10	0.03	1	300254	11/02/22 18:48	11/03/22 07:26	RKV
Sulfate	**170**		mg/L	10	2.5	10	300574	11/07/22 13:21	11/07/22 17:22	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.42**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.30**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300263	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**7.26**	H	SU			1	300339	11/03/22 16:26	11/03/22 16:26	LVL
Temperature	**21.20**	H	deg C	1.00		1	300339	11/03/22 16:26	11/03/22 16:26	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**0.12**		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.36**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472123

472123-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**7.2**		mg/L	1.0	0.23	1	300582	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	300247	11/02/22 17:15	11/03/22 13:45	JAA
Coliform, Total	**73**		MPN/100ml	1.0		1	300247	11/02/22 17:15	11/03/22 13:45	JAA
Method: SM2120B										
Color	**15**		ColorUnits	5		1	300262	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM2130B										
Turbidity	**16**		NTU	0.10	0.02	1	300261	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	300403	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**17**		mg/L	0.6		1.1	300534	11/04/22	11/04/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	300242	11/02/22 17:54	11/07/22 12:11	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.031**	J	mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**8.1**		mg/L			1	301516	11/18/22	11/18/22	DCD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472123

Sample ID: MCWP-MW07S	Lab ID: 472123-002	Collected: 11/02/22 10:10
	Matrix: Water	

472123-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**4.4**	J	mg/L	5.6	1.6	1.1	301072	11/08/22	11/08/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.37**		mg/L	0.050	0.010	1	300364	11/04/22	11/05/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**210**		mg/L	10	5.0	10	300574	11/07/22 13:21	11/07/22 17:40	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	300254	11/02/22 18:48	11/03/22 07:44	RKV
Nitrogen, Nitrate	**4.5**		mg/L	0.10	0.03	1	300254	11/02/22 18:48	11/03/22 07:44	RKV
Sulfate	**240**		mg/L	10	2.5	10	300574	11/07/22 13:21	11/07/22 17:40	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.65**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.35**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300263	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**7.69**	H	SU			1	300339	11/03/22 16:26	11/03/22 16:26	LVL
Temperature	**20.80**	H	deg C	1.00		1	300339	11/03/22 16:26	11/03/22 16:26	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**0.30**		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.54**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 5310B										
Total Organic Carbon	**2.0**		mg/L	1.0	0.23	1	300582	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	300247	11/02/22 17:15	11/03/22 13:45	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472123

472123-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**5.2**		MPN/100ml	1.0		1	300247	11/02/22 17:15	11/03/22 13:45	JAA
Method: SM2120B										
Color	**70**		ColorUnits	5		1	300262	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM2130B										
Turbidity	**51**		NTU	0.20	0.04	2	300311	11/03/22 11:53	11/03/22 11:53	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	300403	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**200**		mg/L	2.0		4	300534	11/04/22	11/04/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	300242	11/02/22 17:54	11/07/22 12:11	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.13**		mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**5.2**		mg/L			1	301516	11/18/22	11/18/22	DCD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472123

Sample ID: MCWP-MW07D	Lab ID: 472123-003	Collected: 11/02/22 10:25
	Matrix: Water	

472123-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.8**	J	mg/L	5.6	1.6	1.1	301072	11/08/22	11/08/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.37**		mg/L	0.050	0.010	1	300364	11/04/22	11/05/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**230**		mg/L	10	5.0	10	300456	11/05/22 14:09	11/07/22 06:48	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	300254	11/02/22 18:48	11/03/22 08:02	RKV
Nitrogen, Nitrate	ND	H	mg/L	1.0	0.32	10	300456	11/05/22 14:09	11/07/22 06:48	RKV
Sulfate	**250**		mg/L	10	2.5	10	300456	11/05/22 14:09	11/07/22 06:48	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.45**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.10**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300263	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**7.59**	H	SU			1	300339	11/03/22 16:26	11/03/22 16:26	LVL
Temperature	**21.30**	H	deg C	1.00		1	300339	11/03/22 16:26	11/03/22 16:26	LVL
Method: SM 4500-NH3-G										
Ammonia-N	**0.35**		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.15**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 5310B										
Total Organic Carbon	**4.2**		mg/L	1.0	0.23	1	300582	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	300247	11/02/22 17:15	11/03/22 13:45	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472123

472123-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**12**		MPN/100ml	1.0		1	300247	11/02/22 17:15	11/03/22 13:45	JAA
Method: SM2120B										
Color	**10**		ColorUnits	5		1	300262	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM2130B										
Turbidity	**0.21**		NTU	0.10	0.02	1	300261	11/02/22 19:12	11/02/22 19:12	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	300403	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6		1.1	300534	11/04/22	11/04/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	300242	11/02/22 17:54	11/07/22 12:11	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.060**		mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**0.45**		mg/L			1	301516	11/18/22	11/18/22	DCD

< 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:** QC1025589	**Batch:** 301072
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC1025589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/08/22	11/08/22

Type: Lab Control Sample	**Lab ID:** QC1025590	**Batch:** 301072
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC1025590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	39.20	40.00	mg/L	98%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC1025591	**Batch:** 301072
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC1025591 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.80	40.00	mg/L	95%		78-114	4	18

Type: Blank	**Lab ID:** QC1023349	**Batch:** 300364
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1023349 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.010	11/04/22	11/05/22

Type: Lab Control Sample	**Lab ID:** QC1023350	**Batch:** 300364
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1023350 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.3974	0.4000	mg/L	99%		85-115

Type: Matrix Spike	**Lab ID:** QC1023351	**Batch:** 300364
Matrix (Source ID): Water (472093-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1023351 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.151	0.7714	0.4000	mg/L	95%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1023352	**Batch:**	300364
Matrix (Source ID):	Water (472093-001)	**Method:**	EPA 200.7	**Prep Method:**	EPA 200.7

QC1023352 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.225	0.7714	0.4000	mg/L	113%		75-125	6	20	1

Type:	Matrix Spike	**Lab ID:**	QC1023549	**Batch:**	300364
Matrix (Source ID):	Water (472123-003)	**Method:**	EPA 200.7	**Prep Method:**	EPA 200.7

QC1023549 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.8237	0.3707	0.4000	mg/L	113%		75-125	1

Type:	Matrix Spike Duplicate	**Lab ID:**	QC1023550	**Batch:**	300364
Matrix (Source ID):	Water (472123-003)	**Method:**	EPA 200.7	**Prep Method:**	EPA 200.7

QC1023550 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.7937	0.3707	0.4000	mg/L	106%		75-125	4	20	1

Type:	Blank	**Lab ID:**	QC1023659	**Batch:**	300456
Matrix:	Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1023659 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	0.85	J	mg/L	1.0	0.50	11/05/22 14:09	11/07/22 02:55
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	11/05/22 14:09	11/07/22 02:55
Sulfate	ND		mg/L	1.0	0.25	11/05/22 14:09	11/07/22 02:55

Type:	Lab Control Sample	**Lab ID:**	QC1023660	**Batch:**	300456
Matrix:	Water	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC1023660 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	48.16	50.00	mg/L	96%		90-110
Nitrogen, Nitrate	4.443	4.518	mg/L	98%		90-110
Sulfate	23.93	25.00	mg/L	96%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1023661	Batch:	300456
Matrix (Source ID):	Water (472324-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1023661 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	19.32	0.9938	20.00	mg/L	92%		80-120	1
Nitrogen, Nitrate	1.906	ND	1.807	mg/L	105%		80-120	1
Sulfate	9.799	ND	10.00	mg/L	98%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1023662	Batch:	300456
Matrix (Source ID):	Water (472324-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1023662 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	20.11	0.9938	20.00	mg/L	96%		80-120	4	20	1
Nitrogen, Nitrate	1.978	ND	1.807	mg/L	109%		80-120	4	20	1
Sulfate	10.25	ND	10.00	mg/L	102%		80-120	4	20	1

Type:	Matrix Spike	Lab ID:	QC1023663	Batch:	300456
Matrix (Source ID):	Water (472324-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1023663 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	389.2	391.2	20.00	mg/L	-10%	NM	80-120	10
Nitrogen, Nitrate	1.873	ND	1.807	mg/L	104%		80-120	10
Sulfate	317.1	310.8	10.00	mg/L	63%	NM	80-120	10

Type:	Matrix Spike Duplicate	Lab ID:	QC1023664	Batch:	300456
Matrix (Source ID):	Water (472324-002)	Method:	EPA 300.0	Prep Method:	METHOD

QC1023664 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	389.6	391.2	20.00	mg/L	-8%	NM	80-120	0	20	10
Nitrogen, Nitrate	1.835	ND	1.807	mg/L	102%		80-120	2	20	10
Sulfate	317.4	310.8	10.00	mg/L	66%	NM	80-120	0	20	10

Type:	Blank	Lab ID:	QC1024065	Batch:	300574
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1024065 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	0.86	J	mg/L	1.0	0.50	11/07/22 13:21	11/07/22 14:23
Sulfate	ND		mg/L	1.0	0.25	11/07/22 13:21	11/07/22 14:23

Batch QC

Type: Lab Control Sample	Lab ID: QC1024066	Batch: 300574
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1024066 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	47.94	50.00	mg/L	96%		90-110
Sulfate	23.92	25.00	mg/L	96%		90-110

Type: Matrix Spike	Lab ID: QC1024067	Batch: 300574
Matrix (Source ID): Water (472258-001)	Method: EPA 300.0	Prep Method: METHOD

QC1024067 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	108.1	93.17	20.00	mg/L	75%	E,NM	80-120	1
Sulfate	322.9	318.0	10.00	mg/L	49%	E,NM	80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1024068	Batch: 300574
Matrix (Source ID): Water (472258-001)	Method: EPA 300.0	Prep Method: METHOD

QC1024068 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	108.3	93.17	20.00	mg/L	76%	E,NM	80-120		20	1
Sulfate	322.9	318.0	10.00	mg/L	49%	E,NM	80-120		20	1

Type: Blank	Lab ID: QC1023008	Batch: 300254
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1023008 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/02/22 18:48	11/03/22 00:53
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	11/02/22 18:48	11/03/22 00:53

Type: Lab Control Sample	Lab ID: QC1023009	Batch: 300254
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC1023009 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	4.543	4.567	mg/L	99%		90-110
Nitrogen, Nitrate	4.512	4.518	mg/L	100%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1023010**	**Batch:**	**300254**
Matrix (Source ID):	**Drinking Water (472066-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1023010 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.365	0.03065	1.827	mg/L	73%	*	80-120	1
Nitrogen, Nitrate	6.176	3.729	1.807	mg/L	135%	*	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1023011**	**Batch:**	**300254**
Matrix (Source ID):	**Drinking Water (472066-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1023011 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.379	0.03065	1.827	mg/L	74%	*	80-120	1	20	1
Nitrogen, Nitrate	6.185	3.729	1.807	mg/L	136%	*	80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1023012**	**Batch:**	**300254**
Matrix (Source ID):	**Drinking Water (472117-005)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1023012 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	1.618	0.1794	1.827	mg/L	79%	*	80-120	5
Nitrogen, Nitrate	2.775	0.8578	1.807	mg/L	106%		80-120	5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1023013**	**Batch:**	**300254**
Matrix (Source ID):	**Drinking Water (472117-005)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1023013 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	1.630	0.1794	1.827	mg/L	79%	*	80-120	1	20	5
Nitrogen, Nitrate	2.789	0.8578	1.807	mg/L	107%		80-120	0	20	5

Type:	**Lab Control Sample**	**Lab ID:**	**QC1024928**	**Batch:**	**300869**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC1024928 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.503	2.500	mg/L	100%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1024929	**Batch:** 300869
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC1024929 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	11/11/22	11/11/22

Type: Sample Duplicate	**Lab ID:** QC1023034	**Batch:** 300263
Matrix (Source ID): Drinking Water (472110-011)	**Method:** SM 2150B	

QC1023034 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank	**Lab ID:** QC1023545	**Batch:** 300431
Matrix: Drinking Water	**Method:** SM 4500-CL-G	

QC1023545 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	11/04/22 18:07	11/04/22 18:07

Type: Lab Control Sample	**Lab ID:** QC1023546	**Batch:** 300431
Matrix: Drinking Water	**Method:** SM 4500-CL-G	

QC1023546 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.089	1.000	mg/L	109%		80-120

Type: Sample Duplicate	**Lab ID:** QC1023547	**Batch:** 300431
Matrix (Source ID): Drinking Water (472077-001)	**Method:** SM 4500-CL-G	

QC1023547 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	1.090	1.091	mg/L		0	20	1

Type: Sample Duplicate	**Lab ID:** QC1023267	**Batch:** 300339
Matrix (Source ID): Water (472106-002)	**Method:** SM 4500-H+ B	

QC1023267 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.640	6.660	SU		0	20	1
Temperature	19.50	19.40	deg C		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample | **Lab ID:** QC1024505 | **Batch:** 300728
Matrix: Water | **Method:** SM 4500-NH3-G

QC1024505 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.272	2.500	mg/L	91%		80-120

Type: Blank | **Lab ID:** QC1024506 | **Batch:** 300728
Matrix: Water | **Method:** SM 4500-NH3-G

QC1024506 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	11/09/22	11/09/22

Type: Matrix Spike | **Lab ID:** QC1024509 | **Batch:** 300728
Matrix (Source ID): Water (472211-002) | **Method:** SM 4500-NH3-G

QC1024509 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.383	0.1798	2.500	mg/L	88%		80-120	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1024510 | **Batch:** 300728
Matrix (Source ID): Water (472211-002) | **Method:** SM 4500-NH3-G

QC1024510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.404	0.1798	2.500	mg/L	89%		80-120	1	20	1

Type: Blank | **Lab ID:** QC1025635 | **Batch:** 301083
Matrix: Water | **Method:** SM 4500-P-B5-E

QC1025635 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	11/18/22	11/18/22

Type: Lab Control Sample | **Lab ID:** QC1025636 | **Batch:** 301083
Matrix: Water | **Method:** SM 4500-P-B5-E

QC1025636 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3920	0.4000	mg/L	98%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1025637**	**Batch:**	**301083**
Matrix (Source ID):	**Water (472123-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1025637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.075	0.3630	1.000	mg/L	71%	*	75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1025638**	**Batch:**	**301083**
Matrix (Source ID):	**Water (472123-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1025638 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.075	0.3630	1.000	mg/L	71%	*	75-125	0	20	2.5

Type:	**Matrix Spike**	**Lab ID:**	**QC1024086**	**Batch:**	**300582**
Matrix (Source ID):	**Water (471950-001)**	**Method:**	**SM 5310B**		

QC1024086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	48.25	11.24	40.00	mg/L	93%		80-120	4

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1024087**	**Batch:**	**300582**
Matrix (Source ID):	**Water (471950-001)**	**Method:**	**SM 5310B**		

QC1024087 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	55.52	11.24	40.00	mg/L	111%		80-120	14	20	4

Type:	**Lab Control Sample**	**Lab ID:**	**QC1024088**	**Batch:**	**300582**
Matrix:	**Drinking Water**	**Method:**	**SM 5310B**		

QC1024088 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	8.998	10.00	mg/L	90%		80-120

Type:	**Blank**	**Lab ID:**	**QC1024089**	**Batch:**	**300582**
Matrix:	**Drinking Water**	**Method:**	**SM 5310B**		

QC1024089 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.23	11/04/22	11/04/22

Batch QC

Type:	Sample Duplicate	Lab ID:	QC1023031	Batch:	300262
Matrix (Source ID):	Drinking Water (472110-011)	Method:	SM2120B		

QC1023031 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type:	Sample Duplicate	Lab ID:	QC1023186	Batch:	300311
Matrix (Source ID):	Water (472123-002)	Method:	SM2130B		

QC1023186 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	55.80	51.40	NTU		8	20	2

Type:	Blank	Lab ID:	QC1023473	Batch:	300403
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1023473 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/04/22	11/05/22

Type:	Lab Control Sample	Lab ID:	QC1023474	Batch:	300403
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC1023474 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	928.0	1000	mg/L	93%		90-110

Type:	Sample Duplicate	Lab ID:	QC1023475	Batch:	300403
Matrix (Source ID):	Water (472153-005)	Method:	SM2540C	Prep Method:	METHOD

QC1023475 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	1,228	1268	mg/L		3	5	4

Type:	Blank	Lab ID:	QC1023985	Batch:	300534
Matrix:	Water	Method:	SM2540D	Prep Method:	METHOD

QC1023985 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/04/22	11/04/22

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC1023986**	**Batch:**	**300534**
Matrix (Source ID):	**Water (472114-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC1023986 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	412.0	406.0	mg/L		1	5	20

Type:	**Blank**	**Lab ID:**	**QC1022983**	**Batch:**	**300242**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1022983 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/02/22 12:11	11/07/22 12:11

Type:	**Lab Control Sample**	**Lab ID:**	**QC1022984**	**Batch:**	**300242**
Matrix:	**Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC1022984 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	177.0	198.0	mg/L	89%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC1023493**	**Batch:**	**300414**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC1023493 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.029	11/04/22 09:30	11/04/22 18:50

Type:	**Lab Control Sample**	**Lab ID:**	**QC1023494**	**Batch:**	**300414**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC1023494 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9780	1.000	mg/L	98%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC1023495**	**Batch:**	**300414**
Matrix (Source ID):	**Water (472211-004)**	**Method:**	**SM5540C**		

QC1023495 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9590	ND	1.000	mg/L	94%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1023496**	**Batch:**	**300414**
Matrix (Source ID):	**Water (472211-004)**	**Method:**	**SM5540C**		

QC1023496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9600	ND	1.000	mg/L	94%		80-120	0	20	1

* Value is outside QC limits
E Response exceeds instrument's linear range
J Estimated value
ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

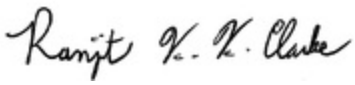
Lab Job Number: 472209
Report Level: II
Report Date: 11/22/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	472209
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	11/03/22

Sample ID	Lab ID	Collected	Matrix
N-001	472209-001	11/03/22 10:10	Water
N-002	472209-002	11/03/22 10:30	Water
N-003	472209-003	11/03/22 09:45	Water
N-004	472209-004	11/03/22 10:50	Water
L-001	472209-005	11/03/22 11:40	Water
L-002	472209-006	11/03/22 11:10	Water
L-003	472209-007	11/03/22 11:20	Water
L-004	472209-008	11/03/22 09:20	Water
L-005	472209-009	11/03/22 09:50	Water
L-006	472209-010	11/03/22 09:30	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 472209 Project No: MALIBU Location: Malibu - Quarterly Date Received: 11/03/22

This data package contains sample and QC results for ten water samples, requested for the above referenced project on 11/03/22. The samples were received cold and intact.

Ion Chromatography (EPA 300.0 and EPA 300.0):

- Low recoveries were observed for nitrogen, nitrite and nitrogen, nitrate in the MS/MSD of N-001 (lab # 472209-001).
- Many samples were diluted due to problematic matrix.
- No other analytical problems were encountered.

Total Phosphorus as P (SM 4500-P-B5-E):

- Low recoveries were observed for phosphorus in the MS/MSD of SMBRP-9 (lab # 472123-001); the LCS was within limits.
- No other 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: 472209				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
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	11/3/22	10:10	Water			X	X	X	5.5/2.9 3.9/2.1 3.5/1.2
N-002		10:30				X	X	X	
N-003		9:45				X	X	X	
N-004		10:50				X	X	X	
L-001		11:40				X	X	X	
L-002		11:10				X	X	X	
L-003		11:20				X	X	X	
L-004		9:20				X	X	X	
L-005		9:50				X	X	X	
L-006		9:30				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Lindsey Stockton	Rincon	11/3/22 1210
[1] Received By:		Landon Lujan	Rincon	11/3/22 1210
[2] Relinquished By:		Landon Lujan	Rincon	11/3/22 1418
[2] Received By:		GGawat	EA	11.03.22 1415
[3] Relinquished By:		GGawat	EA	11-03-22 1653
[3] Received By:		Elizabeth Ramirez	EA	11/03/22 1653

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu-Quarterly

Date Received: 11/03/22 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 4 SR 11/03/22 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.5 #2: 3.9 #3: 3.5 #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: 2.9 #2: 2.1 #3: 1.2 #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: 11/03/22

ENTHALPY ANALYTICAL

Analysis Results for 472209

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 472209
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 11/03/22

Sample ID: N-001 **Lab ID: 472209-001** **Collected: 11/03/22 10:10**
Matrix: Water

472209-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	10	2.0	100	300353	11/03/22 18:53	11/04/22 19:08	RKV
Nitrogen, Nitrate	ND		mg/L	10	3.2	100	300353	11/03/22 18:53	11/04/22 19:08	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	10		100	300353	11/03/22 18:53	11/04/22 19:08	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.82**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	**0.063**	J	mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.88**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.045**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**42**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

Analysis Results for 472209

Sample ID: N-002	Lab ID: 472209-002	Collected: 11/03/22 10:30
	Matrix: Water	

472209-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	10	2.0	100	300353	11/03/22 18:53	11/04/22 19:26	RKV
Nitrogen, Nitrate	ND		mg/L	10	3.2	100	300353	11/03/22 18:53	11/04/22 19:26	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	10		100	300353	11/03/22 18:53	11/04/22 19:26	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.81**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.81**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.080**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**24**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Sample ID: N-003	Lab ID: 472209-003	Collected: 11/03/22 09:45
	Matrix: Water	

472209-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	10	2.0	100	300353	11/03/22 18:53	11/04/22 19:43	RKV
Nitrogen, Nitrate	ND		mg/L	10	3.2	100	300353	11/03/22 18:53	11/04/22 19:43	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	10		100	300353	11/03/22 18:53	11/04/22 19:43	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.69**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.69**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.030**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**16**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472209

Sample ID: N-004	Lab ID: 472209-004	Collected: 11/03/22 10:50
	Matrix: Water	

472209-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	10	2.0	100	300353	11/03/22 18:53	11/04/22 20:37	RKV
Nitrogen, Nitrate	ND		mg/L	10	3.2	100	300353	11/03/22 18:53	11/04/22 20:37	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	10		100	300353	11/03/22 18:53	11/04/22 20:37	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.91**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.91**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.17**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**2,000**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Sample ID: L-001	Lab ID: 472209-005	Collected: 11/03/22 11:40
	Matrix: Water	

472209-005 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	0.20	10	300353	11/03/22 18:53	11/04/22 20:55	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 12:36	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	300353	11/03/22 18:53	11/04/22 20:55	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.52**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.52**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**7.5**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472209

Sample ID: L-002	Lab ID: 472209-006	Collected: 11/03/22 11:10
	Matrix: Water	

472209-006 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	0.20	10	300353	11/03/22 18:53	11/04/22 21:13	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	300353	11/03/22 18:53	11/04/22 21:13	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	300353	11/03/22 18:53	11/04/22 21:13	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.52**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.52**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.10**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**40**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**1,000**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Sample ID: L-003	Lab ID: 472209-007	Collected: 11/03/22 11:20
	Matrix: Water	

472209-007 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	0.20	10	300353	11/03/22 18:53	11/04/22 21:31	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 13:47	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	300353	11/03/22 18:53	11/04/22 21:31	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.70**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.70**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.13**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**70**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472209

Sample ID: L-004	Lab ID: 472209-008	Collected: 11/03/22 09:20
	Matrix: Water	

472209-008 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	0.20	10	300353	11/03/22 18:53	11/04/22 21:48	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 14:05	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	300353	11/03/22 18:53	11/04/22 21:48	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.70**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.70**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.088**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**20**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Sample ID: L-005	Lab ID: 472209-009	Collected: 11/03/22 09:50
	Matrix: Water	

472209-009 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	0.20	10	300353	11/03/22 18:53	11/04/22 22:06	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 14:23	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	300353	11/03/22 18:53	11/04/22 22:06	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.94**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.94**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.50**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**820**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472209

Sample ID: L-006	Lab ID: 472209-010	Collected: 11/03/22 09:30
	Matrix: Water	

472209-010 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	0.20	10	300353	11/03/22 18:53	11/04/22 22:24	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 14:41	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		10	300353	11/03/22 18:53	11/04/22 22:24	RKV
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.51**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 4500-NH3-G										
Ammonia-N	**0.053**	J	mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Nitrogen, Total Kjeldahl	**0.56**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.072**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 9223Bb										
Fecal Coliform	**30**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

< 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:** QC1023303	**Batch:** 300353
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1023303 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/03/22 18:53	11/04/22 10:14
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	11/03/22 18:53	11/04/22 10:14
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		11/03/22 18:53	11/04/22 10:14

Type: Lab Control Sample	**Lab ID:** QC1023304	**Batch:** 300353
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1023304 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	4.652	4.567	mg/L	102%		90-110
Nitrogen, Nitrate	4.684	4.518	mg/L	104%		90-110

Type: Matrix Spike	**Lab ID:** QC1023305	**Batch:** 300353
Matrix (Source ID): Water (472209-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1023305 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	0	ND	1.827	mg/L	0%	*	80-120	1
Nitrogen, Nitrate	0.8221	ND	1.807	mg/L	45%	*	80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1023306	**Batch:** 300353
Matrix (Source ID): Water (472209-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC1023306 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	0	ND	1.827	mg/L	0%	*	80-120		20	1
Nitrogen, Nitrate	0.8384	ND	1.807	mg/L	46%	*	80-120	2	20	1

Type: Lab Control Sample	**Lab ID:** QC1024505	**Batch:** 300728
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1024505 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.272	2.500	mg/L	91%		80-120

Type: Blank	**Lab ID:** QC1024506	**Batch:** 300728
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1024506 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	11/09/22	11/09/22

Batch QC

Type: Matrix Spike	Lab ID: QC1024509	Batch: 300728
Matrix (Source ID): Water (472211-002)	Method: SM 4500-NH3-G	

QC1024509 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.383	0.1798	2.500	mg/L	88%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC1024510	Batch: 300728
Matrix (Source ID): Water (472211-002)	Method: SM 4500-NH3-G	

QC1024510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.404	0.1798	2.500	mg/L	89%		80-120	1	20	1

Type: Lab Control Sample	Lab ID: QC1024928	Batch: 300869
Matrix: Water	Method: SM 4500-NH3-G	

QC1024928 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.503	2.500	mg/L	100%		80-120

Type: Blank	Lab ID: QC1024929	Batch: 300869
Matrix: Water	Method: SM 4500-NH3-G	

QC1024929 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	11/11/22	11/11/22

Type: Blank	Lab ID: QC1025635	Batch: 301083
Matrix: Water	Method: SM 4500-P-B5-E	

QC1025635 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	11/18/22	11/18/22

Type: Lab Control Sample	Lab ID: QC1025636	Batch: 301083
Matrix: Water	Method: SM 4500-P-B5-E	

QC1025636 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3920	0.4000	mg/L	98%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1025637**	**Batch:**	**301083**
Matrix (Source ID):	**Water (472123-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1025637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.075	0.3630	1.000	mg/L	71%	*	75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1025638**	**Batch:**	**301083**
Matrix (Source ID):	**Water (472123-001)**	**Method:**	**SM 4500-P-B5-E**		

QC1025638 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.075	0.3630	1.000	mg/L	71%	*	75-125	0	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

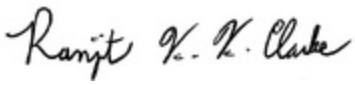
Lab Job Number: 472211
Report Level: II
Report Date: 11/22/2022

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Project: MALIBU - Malibu - Quarterly

Authorized for release by:



Ranjit K Clarke, Client Services 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

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #:	472211
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	11/03/22

Sample ID	Lab ID	Collected	Matrix
SMBRP-12	472211-001	11/03/22 10:45	Water
MCWP-MW04S	472211-002	11/03/22 07:45	Water
MCWP-MW04D	472211-003	11/03/22 09:50	Water
MCWP-MW09	472211-004	11/03/22 12:00	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 2060 Knoll Drive Unit B Ventura, CA 93001 Kiernan Brtalik	Lab Job Number: 472211 Project No: MALIBU Location: Malibu - Quarterly Date Received: 11/03/22

This data package contains sample and QC results for four water samples, requested for the above referenced project on 11/03/22. The samples were received cold and intact.

Metals (EPA 200.7):
No analytical problems were encountered.

Ion Chromatography (EPA 300.0):

- Nitrogen, nitrite was detected at or above the RL in the CCB analyzed 11/10/22 21:33; affected data was qualified with "b".
- Nitrogen, nitrite was detected at or above the RL in the CCB analyzed 11/11/22 01:26; affected data was qualified with "b".
- Nitrogen, nitrite was detected at or above the RL in the CCB analyzed 11/11/22 05:20; affected data was qualified with "b".
- High response was observed for sulfate in the CCV analyzed 11/04/22 09:20; affected data was qualified with "b".
- Low recoveries were observed for nitrogen, nitrite and nitrogen, nitrate in the MS/MSD of N-001 (lab # 472209-001).
- SMBRP-12 (lab # 472211-001) and MCWP-MW09 (lab # 472211-004) were diluted due to problematic matrix.
- 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):

- Low recoveries were observed for phosphorus in the MS/MSD of SMBRP-9 (lab # 472123-001); the LCS was within limits.
- No other 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 Nitrogen, 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.

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):

- MBAS are calculated and reported as Linear Anionic Surfactants with a molecular weight of 348 g/mol.
- 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):

- High recovery was observed for nitrogen, total kjeldahl in the MS of MCWP-MW04D (lab # 472211-003); 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: 472211				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
Report To:	Kiernan Brtalik	Number:	20-09665
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	LANDON L. / MIKE G.

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~~	
SMBRP-12	11/3/22	1045	GW	11		X	X	X	X	X	X	X	X	5.5 / 2.9
MCWP-MW04S	11/3/22	0745	GW	11		X	X	X	X	X	X	X	X	3.9 / 2.1
MCWP-MW04D	11/3/22	0950	GW	11		X	X	X	X	X	X	X	X	3.5 / 1.2
~~MCWP-MW07S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	
~~MCWP-MW07D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
MCWP-MW09	11/3/22	1200	GW	11		X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		LANDON LUJAN	RINCON CONSULTANTS	11/3/22 1415
[1] Received By:		GGawat	EA	11.03.22 1415
[2] Relinquished By:		GGAWAT	EA	11-03.22 1653
[2] Received By:		Elizabeth Ramm	EA	11/03/22 16:53

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu-Quarterly

Date Received: 11/03/22 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 4 3 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.5 #2: 3.9 #3: 3.5 #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptonce 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: 2.9 #2: 2.1 #3: 1.2 #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: 11/03/22

ENTHALPY ANALYTICAL

Analysis Results for 472211

Kiernan Brtalik
Rincon Consultants - Ventura
2060 Knoll Drive
Unit B
Ventura, CA 93001

Lab Job #: 472211
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 11/03/22

Sample ID: SMBRP-12 **Lab ID: 472211-001** **Collected: 11/03/22 10:45**
Matrix: Water

472211-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.8**		mg/L	5.6	1.6	1.1	301085	11/13/22	11/13/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**1.1**		mg/L	0.050	0.010	1	300535	11/07/22	11/09/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**3,300**		mg/L	250	25	50	300876	11/10/22 17:09	11/10/22 22:31	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.20	10	300353	11/03/22 18:53	11/04/22 22:42	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	300353	11/03/22 18:53	11/04/22 22:42	RKV
Sulfate	**970**		mg/L	130	13	50	300876	11/10/22 17:09	11/10/22 22:31	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**7.9**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300354	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**6.87**	H	SU			1	300384	11/04/22 09:24	11/04/22 09:24	WWC
Temperature	**10.20**	H	deg C	1.00		1	300384	11/04/22 09:24	11/04/22 09:24	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**8.2**		mg/L	0.50	0.22	5	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.86**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

472211-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**8.4**		mg/L	1.0	0.23	1	300592	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Coliform, Total	**5.2**		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Method: SM2120B										
Color	**50**		ColorUnits	5		1	300355	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.02	1	300311	11/03/22 11:53	11/03/22 11:53	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**7,000**		mg/L	100		10	300405	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**16**		mg/L	0.6		1.1	300560	11/07/22	11/07/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	300383	11/04/22 09:24	11/09/22 14:50	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.070**		mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**7.9**		mg/L			1	301516	11/18/22	11/18/22	DCD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

Sample ID: MCWP-MW04S	Lab ID: 472211-002	Collected: 11/03/22 07:45
	Matrix: Water	

472211-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.4**		mg/L	5.6	1.6	1.1	301085	11/13/22	11/13/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**2.0**		mg/L	0.050	0.010	1	300535	11/07/22	11/09/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**480**		mg/L	10	5.0	10	300353	11/03/22 18:53	11/04/22 23:36	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	300353	11/03/22 18:53	11/04/22 15:16	RKV
Nitrogen, Nitrate	**0.58**		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 15:16	RKV
Sulfate	**2,800**		mg/L	250	25	100	300876	11/10/22 17:09	11/10/22 22:51	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.62**		mg/L	0.40	0.12	1	300869	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.44**		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300354	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**7.55**	H	SU			1	300384	11/04/22 09:19	11/04/22 09:19	WWC
Temperature	**9.90**	H	deg C	1.00		1	300384	11/04/22 09:19	11/04/22 09:19	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.18**		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.49**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 5310B										
Total Organic Carbon	**21**		mg/L	1.0	0.23	1	300592	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	**18**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

472211-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**>2,400**	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Method: SM2120B										
Color	**35**		ColorUnits	5		1	300355	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM2130B										
Turbidity	**6.7**		NTU	0.10	0.02	1	300311	11/03/22 11:53	11/03/22 11:53	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,000**		mg/L	20		2	300405	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**18**		mg/L	0.6		1.1	300560	11/07/22	11/07/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	300383	11/04/22 09:19	11/09/22 14:50	DNA
Method: SM5540C										
Surfactants (MBAS)	**0.11**		mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.2**		mg/L			1	301516	11/18/22	11/18/22	DCD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

Sample ID: MCWP-MW04D	Lab ID: 472211-003	Collected: 11/03/22 09:50
	Matrix: Water	

472211-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**1.6**		mg/L	5.6	1.6	1.1	301085	11/13/22	11/13/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.86**		mg/L	0.050	0.010	1	300535	11/07/22	11/09/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**250**		mg/L	10	5.0	10	300353	11/03/22 18:53	11/04/22 23:53	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	300353	11/03/22 18:53	11/04/22 15:34	RKV
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.03	1	300353	11/03/22 18:53	11/04/22 15:34	RKV
Sulfate	**640**		mg/L	63	6.3	25	300876	11/10/22 17:09	11/10/22 23:10	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.12	1	300871	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300354	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**7.11**	H	SU			1	300384	11/04/22 09:19	11/04/22 09:19	WWC
Temperature	**10.20**	H	deg C	1.00		1	300384	11/04/22 09:19	11/04/22 09:19	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.052**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 5310B										
Total Organic Carbon	**3.2**		mg/L	1.0	0.23	1	300592	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	<1.0	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

472211-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0	H	MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Method: SM2120B										
Color	ND		ColorUnits	5		1	300355	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM2130B										
Turbidity	**0.16**		NTU	0.10	0.02	1	300311	11/03/22 11:53	11/03/22 11:53	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	300405	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.3**		mg/L	0.6		1.1	300560	11/07/22	11/07/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	300383	11/04/22 09:19	11/09/22 14:50	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.2**		mg/L			1	301516	11/18/22	11/18/22	DCD

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

Sample ID: MCWP-MW09	Lab ID: 472211-004	Collected: 11/03/22 12:00
	Matrix: Water	

472211-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.3**		mg/L	5.6	1.6	1.1	301085	11/13/22	11/13/22	ATP
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.86**		mg/L	0.050	0.010	1	300535	11/07/22	11/09/22	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**710**		mg/L	10	5.0	10	300353	11/03/22 18:53	11/05/22 00:11	RKV
Nitrogen, Nitrite	ND		mg/L	1.0	0.20	10	300353	11/03/22 18:53	11/05/22 00:11	RKV
Nitrogen, Nitrate	ND		mg/L	1.0	0.32	10	300353	11/03/22 18:53	11/05/22 00:11	RKV
Sulfate	**700**		mg/L	63	6.3	25	300876	11/10/22 17:09	11/10/22 23:30	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.9**		mg/L	0.40	0.12	1	300871	11/11/22	11/11/22	PWM
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	301513	11/18/22	11/18/22	DCD
Method: SM 2150B										
Odor	ND		TON	1.0		1	300354	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.026	1	300431	11/04/22 18:07	11/04/22 18:07	DNA
Method: SM 4500-H+ B										
pH	**7.12**	H	SU			1	300384	11/04/22 09:17	11/04/22 09:17	WWC
Temperature	**11.70**	H	deg C	1.00		1	300384	11/04/22 09:17	11/04/22 09:17	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**1.9**		mg/L	0.10	0.045	1	300728	11/09/22	11/09/22	PWM
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.0054	1	301083	11/18/22	11/18/22	ATP
Method: SM 5310B										
Total Organic Carbon	**3.3**		mg/L	1.0	0.23	1	300592	11/04/22	11/04/22	PWM
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 472211

472211-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	<1.0		MPN/100ml	1.0		1	300348	11/03/22 17:57	11/04/22 13:40	JAA
Method: SM2120B										
Color	**10**		ColorUnits	5		1	300355	11/03/22 18:20	11/03/22 18:20	LVL
Method: SM2130B										
Turbidity	**2.6**		NTU	0.10	0.02	1	300311	11/03/22 11:53	11/03/22 11:53	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,300**		mg/L	20		2	300405	11/04/22	11/05/22	ATP
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**2.1**		mg/L	0.6		1.1	300560	11/07/22	11/07/22	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**7.6**		mg/L	3.0		1	300383	11/04/22 09:17	11/09/22 14:50	DNA
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.029	1	300414	11/04/22 09:30	11/04/22 18:50	ATP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.9**		mg/L			1	301516	11/18/22	11/18/22	DCD

< 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:** QC1025643	**Batch:** 301085
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC1025643 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/13/22	11/13/22

Type: Lab Control Sample	**Lab ID:** QC1025644	**Batch:** 301085
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC1025644 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	39.70	40.00	mg/L	99%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC1025645	**Batch:** 301085
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC1025645 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	40.30	40.00	mg/L	101%		78-114	2	18

Type: Blank	**Lab ID:** QC1023987	**Batch:** 300535
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1023987 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.010	11/07/22	11/08/22

Type: Lab Control Sample	**Lab ID:** QC1023988	**Batch:** 300535
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1023988 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4251	0.4000	mg/L	106%		85-115

Type: Matrix Spike	**Lab ID:** QC1023989	**Batch:** 300535
Matrix (Source ID): Water (472161-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC1023989 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.5665	0.1306	0.4000	mg/L	109%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1023990	Batch:	300535
Matrix (Source ID):	Water (472161-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC1023990 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.5630	0.1306	0.4000	mg/L	108%		75-125	1	20	1

Type:	Matrix Spike	Lab ID:	QC1023991	Batch:	300535
Matrix (Source ID):	Water (472217-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC1023991 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	3.947	3.303	0.4000	mg/L	161%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1023992	Batch:	300535
Matrix (Source ID):	Water (472217-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC1023992 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	3.671	3.303	0.4000	mg/L	92%	NM	75-125	7	20	1

Type:	Blank	Lab ID:	QC1023303	Batch:	300353
Matrix:	Drinking Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1023303 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	1.0	0.50	11/03/22 18:53	11/04/22 10:14
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	11/03/22 18:53	11/04/22 10:14
Nitrogen, Nitrate	ND		mg/L	0.10	0.03	11/03/22 18:53	11/04/22 10:14

Type:	Lab Control Sample	Lab ID:	QC1023304	Batch:	300353
Matrix:	Drinking Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1023304 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	49.80	50.00	mg/L	100%		90-110
Nitrogen, Nitrite	4.652	4.567	mg/L	102%		90-110
Nitrogen, Nitrate	4.684	4.518	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1023305	Batch:	300353
Matrix (Source ID):	Water (472209-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1023305 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	1,255	27640	20.00	mg/L	-131916%	E,NM	80-120	1
Nitrogen, Nitrite	0	ND	1.827	mg/L	0%	*	80-120	1
Nitrogen, Nitrate	0.8221	ND	1.807	mg/L	45%	*	80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC1023306	Batch:	300353
Matrix (Source ID):	Water (472209-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC1023306 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	1,220	27640	20.00	mg/L	-132091%	E,NM	80-120		20	1
Nitrogen, Nitrite	0	ND	1.827	mg/L	0%	*	80-120		20	1
Nitrogen, Nitrate	0.8384	ND	1.807	mg/L	46%	*	80-120	2	20	1

Type:	Blank	Lab ID:	QC1024944	Batch:	300876
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1024944 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.50	11/10/22 17:09	11/10/22 21:53
Sulfate	ND		mg/L	2.5	0.25	11/10/22 17:09	11/10/22 21:53

Type:	Lab Control Sample	Lab ID:	QC1024945	Batch:	300876
Matrix:	Water	Method:	EPA 300.0	Prep Method:	METHOD

QC1024945 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	48.02	50.00	mg/L	96%		90-110
Sulfate	25.11	25.00	mg/L	100%		90-110

Type:	Matrix Spike	Lab ID:	QC1024957	Batch:	300876
Matrix (Source ID):	Water (472643-004)	Method:	EPA 300.0	Prep Method:	METHOD

QC1024957 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	41.72	3.559	40.00	mg/L	95%		80-120	1
Sulfate	26.44	3.881	20.00	mg/L	113%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1024958**	**Batch:**	**300876**
Matrix (Source ID):	**Water (472643-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1024958 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	41.72	3.559	40.00	mg/L	95%		80-120	0	20	1
Sulfate	26.39	3.881	20.00	mg/L	113%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC1024963**	**Batch:**	**300876**
Matrix (Source ID):	**Water (472727-005)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1024963 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	39.44	ND	40.00	mg/L	99%		80-120	1
Sulfate	19.70	ND	20.00	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1024964**	**Batch:**	**300876**
Matrix (Source ID):	**Water (472727-005)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC1024964 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	42.44	ND	40.00	mg/L	106%		80-120	7	20	1
Sulfate	19.86	ND	20.00	mg/L	99%		80-120	1	20	1

Type:	**Lab Control Sample**	**Lab ID:**	**QC1024928**	**Batch:**	**300869**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC1024928 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.503	2.500	mg/L	100%		90-110

Type:	**Blank**	**Lab ID:**	**QC1024929**	**Batch:**	**300869**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC1024929 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	11/11/22	11/11/22

Type:	**Lab Control Sample**	**Lab ID:**	**QC1024922**	**Batch:**	**300871**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC1024922 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.550	2.500	mg/L	102%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1024923		**Batch:** 300871
Matrix: Water	**Method:** EPA 351.2		**Prep Method:** METHOD

QC1024923 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.062	11/11/22	11/11/22

Type: Matrix Spike	**Lab ID:** QC1024924		**Batch:** 300871
Matrix (Source ID): Water (472516-005)	**Method:** EPA 351.2		**Prep Method:** METHOD

QC1024924 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.58	ND	12.50	mg/L	93%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC1024925		**Batch:** 300871
Matrix (Source ID): Water (472516-005)	**Method:** EPA 351.2		**Prep Method:** METHOD

QC1024925 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	11.67	ND	12.50	mg/L	93%		90-110	1	20	2.5

Type: Matrix Spike	**Lab ID:** QC1024926		**Batch:** 300871
Matrix (Source ID): Water (472211-003)	**Method:** EPA 351.2		**Prep Method:** METHOD

QC1024926 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.90	ND	12.50	mg/L	111%	*	90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC1024927		**Batch:** 300871
Matrix (Source ID): Water (472211-003)	**Method:** EPA 351.2		**Prep Method:** METHOD

QC1024927 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.12	ND	12.50	mg/L	105%		90-110	6	20	2.5

Type: Sample Duplicate	**Lab ID:** QC1023309		**Batch:** 300354
Matrix (Source ID): Water (472211-001)	**Method:** SM 2150B		

QC1023309 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1023545	**Batch:** 300431
Matrix: Drinking Water	**Method:** SM 4500-CL-G	

QC1023545 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.026	11/04/22 18:07	11/04/22 18:07

Type: Lab Control Sample	**Lab ID:** QC1023546	**Batch:** 300431
Matrix: Drinking Water	**Method:** SM 4500-CL-G	

QC1023546 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.089	1.000	mg/L	109%		80-120

Type: Sample Duplicate	**Lab ID:** QC1023547	**Batch:** 300431
Matrix (Source ID): Drinking Water (472077-001)	**Method:** SM 4500-CL-G	

QC1023547 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	1.090	1.091	mg/L		0	20	1

Type: Sample Duplicate	**Lab ID:** QC1023407	**Batch:** 300384
Matrix (Source ID): Water (472211-001)	**Method:** SM 4500-H+ B	

QC1023407 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	6.880	6.870	SU		0	20	1
Temperature	10.30	10.20	deg C		1	20	1

Type: Lab Control Sample	**Lab ID:** QC1024505	**Batch:** 300728
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1024505 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.272	2.500	mg/L	91%		80-120

Type: Blank	**Lab ID:** QC1024506	**Batch:** 300728
Matrix: Water	**Method:** SM 4500-NH3-G	

QC1024506 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.045	11/09/22	11/09/22

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike | **Lab ID:** QC1024509 | **Batch:** 300728
Matrix (Source ID): Water (472211-002) | **Method:** SM 4500-NH3-G

QC1024509 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.383	0.1798	2.500	mg/L	88%		80-120	1

Type: Matrix Spike Duplicate | **Lab ID:** QC1024510 | **Batch:** 300728
Matrix (Source ID): Water (472211-002) | **Method:** SM 4500-NH3-G

QC1024510 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.404	0.1798	2.500	mg/L	89%		80-120	1	20	1

Type: Blank | **Lab ID:** QC1025635 | **Batch:** 301083
Matrix: Water | **Method:** SM 4500-P-B5-E

QC1025635 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.0054	11/18/22	11/18/22

Type: Lab Control Sample | **Lab ID:** QC1025636 | **Batch:** 301083
Matrix: Water | **Method:** SM 4500-P-B5-E

QC1025636 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3920	0.4000	mg/L	98%		80-120

Type: Matrix Spike | **Lab ID:** QC1025637 | **Batch:** 301083
Matrix (Source ID): Water (472123-001) | **Method:** SM 4500-P-B5-E

QC1025637 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.075	0.3630	1.000	mg/L	71%	*	75-125	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC1025638 | **Batch:** 301083
Matrix (Source ID): Water (472123-001) | **Method:** SM 4500-P-B5-E

QC1025638 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.075	0.3630	1.000	mg/L	71%	*	75-125	0	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC1024112 **Batch:** 300592
Matrix: Water **Method:** SM 5310B

QC1024112 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	8.998	10.00	mg/L	90%		80-120

Type: Blank **Lab ID:** QC1024113 **Batch:** 300592
Matrix: Water **Method:** SM 5310B

QC1024113 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.23	11/04/22	11/04/22

Type: Matrix Spike **Lab ID:** QC1024114 **Batch:** 300592
Matrix (Source ID): Water (472147-001) **Method:** SM 5310B

QC1024114 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	42.65	3.604	40.00	mg/L	98%		80-120	4

Type: Matrix Spike Duplicate **Lab ID:** QC1024115 **Batch:** 300592
Matrix (Source ID): Water (472147-001) **Method:** SM 5310B

QC1024115 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	43.70	3.604	40.00	mg/L	100%		80-120	2	20	4

Type: Sample Duplicate **Lab ID:** QC1023310 **Batch:** 300355
Matrix (Source ID): Water (472211-001) **Method:** SM2120B

QC1023310 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	50.00	50.00	ColorUnits		0	20	1

Type: Sample Duplicate **Lab ID:** QC1023186 **Batch:** 300311
Matrix (Source ID): Water (472123-002) **Method:** SM2130B

QC1023186 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	55.80	51.40	NTU		8	20	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC1023479	Batch: 300405
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1023479 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/04/22	11/05/22

Type: Lab Control Sample	Lab ID: QC1023480	Batch: 300405
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC1023480 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	1,008	1000	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC1023481	Batch: 300405
Matrix (Source ID): Water (472251-001)	Method: SM2540C	Prep Method: METHOD

QC1023481 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,432	3466	mg/L		1	5	2

Type: Blank	Lab ID: QC1024032	Batch: 300560
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC1024032 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/07/22	11/07/22

Type: Sample Duplicate	Lab ID: QC1024033	Batch: 300560
Matrix (Source ID): Water (472238-001)	Method: SM2540D	Prep Method: METHOD

QC1024033 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	143.3	144.7	mg/L		1	5	6.7

Type: Blank	Lab ID: QC1023405	Batch: 300383
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC1023405 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/04/22 08:10	11/09/22 14:50

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC1023406	**Batch:** 300383
Matrix: Water	**Method:** SM5210B	**Prep Method:** METHOD

QC1023406 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	215.0	198.0	mg/L	109%		84.6-115.4

Type: Blank	**Lab ID:** QC1023493	**Batch:** 300414
Matrix: Water	**Method:** SM5540C	

QC1023493 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.029	11/04/22 09:30	11/04/22 18:50

Type: Lab Control Sample	**Lab ID:** QC1023494	**Batch:** 300414
Matrix: Water	**Method:** SM5540C	

QC1023494 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9780	1.000	mg/L	98%		80-120

Type: Matrix Spike	**Lab ID:** QC1023495	**Batch:** 300414
Matrix (Source ID): Water (472211-004)	**Method:** SM5540C	

QC1023495 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	0.9590	ND	1.000	mg/L	94%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1023496	**Batch:** 300414
Matrix (Source ID): Water (472211-004)	**Method:** SM5540C	

QC1023496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	0.9600	ND	1.000	mg/L	94%		80-120	0	20	1

* Value is outside QC limits
E Response exceeds instrument's linear range
ND Not Detected
NM Not Meaningful

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1

El Dorado Hills, CA 95762

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, 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.: **3046**

Effective Date: **5/1/2021**

Expiration Date: **4/30/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Davi Laboratories, Environmental Associates

730 Alfred Nobel Drive

Hercules, CA 94547

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, 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.: **1438**

Effective Date: **2/1/2021**

Expiration Date: **1/31/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Eberline Analytical Corporation

601 Scarboro Road

Oak Ridge, TN 37830

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, 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.: **2912**

Effective Date: **10/1/2021**

Expiration Date: **9/30/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Enthalpy Analytical, LLC

Orange

931 West Barkley Avenue

Orange, CA 92868

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, 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.: **1338**

Effective Date: **11/1/2022**

Expiration Date: **10/31/2024**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Fruit Growers Laboratory, Inc.

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1573**

Effective Date: **8/1/2021**

Expiration Date: **7/31/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649 USA

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1406**

Effective Date: **2/1/2022**

Expiration Date: **1/31/2024**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Pat-Chem Laboratories

1824 First Street

San Fernando, CA 91340

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1531**

Effective Date: **6/1/2021**

Expiration Date: **5/31/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1132**

Effective Date: **4/1/2022**

Expiration Date: **3/31/2024**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program