INTEGRATED
PERFORMANCE
CONSULTANTS

October 28, 2021

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

Attention: Information Technology Unit

Malibu Civic Center WTP — WDR: R4-2015-0051
2021 3rd Quarter Monitoring Report — MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter, meeting all permit limits.

SUMMARY OF NON-COMPLIANCE

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

INFLUENT & EFFLUENT MONITORING

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

WASTE HAULING

60,000 gallons of thickened waste activated sludge were hauled off site from the MBT this quarter for biological process control.

GROUNDWATER AND SURFACE WATER MONITORING

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

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

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

Executed on the 28th day of October, 2021, at Irvine, CA.

Sincerely,



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

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

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY											MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*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															
07/01/2021	Thu	58.6			56.4	0.0	18.7	37.7	0.0	0.03	0.23	0.01	76.7	113.4	7.5	1.79	1.79	1.79	0.049																			
07/02/2021	Fri	63.5			48.5	0.0	25.8	22.7	0.0	0.03	0.11	0.00	76.0	110.0	7.5	1.79	1.79	1.79	0.049																			
07/03/2021	Sat	66.5			64.4	0.0	1.8	62.6	0.0	0.03	0.23	0.01	74.1	110.8	7.5	1.79	1.79	1.79	0.049																			
07/04/2021	Sun	55.9			73.6	0.0	17.9	55.7	0.0	0.03	0.03	0.00	74.5	117.1	7.1	1.79	1.79	1.79	0.049																			
07/05/2021	Mon	59.7			35.8	0.0	23.0	12.8	0.0	0.05	0.29	0.03	74.4	130.7	7.3	1.79	1.79	1.79	0.049																			
07/06/2021	Tue	55.7	271	562	65.3	0.0	17.8	47.5	0.0	0.03	0.28	0.01	74.7	119.3	7.5	1.79	1.79	1.79	0.049																			
07/07/2021	Wed	66.8			49.8	0.0	20.7	29.1	0.0	0.03	0.31	0.02	74.4	115.7	7.7	1.79	1.79	1.79	0.049	1.9	99.7	0.9	99.7	0.1	0.0	0.10	0.09	0.71	0.62	0.86							
07/08/2021	Thu	54.0			66.4	0.0	23.5	42.9	0.0	0.03	0.03	0.00	75.3	104.6	7.8	1.79	1.79	1.79	0.060																			
07/09/2021	Fri	57.2			43.7	0.0	40.8	2.9	0.0	0.03	0.09	0.00	75.2	109.4	7.7	1.79	1.79	1.79	0.070																			
07/10/2021	Sat	64.3			47.5	0.0	17.0	30.5	0.0	0.03	0.23	0.01	77.7	108.0	7.7	1.79	1.79	1.79	0.100																			
07/11/2021	Sun	62.0			72.5	0.0	29.6	42.9	0.0	0.03	0.09	0.00	77.6	135.7	7.0	1.79	1.79	1.79	0.060																			
07/12/2021	Mon	56.5			44.0	0.0	21.4	22.6	0.0	0.05	0.24	0.02	77.5	123.6	7.5	1.79	1.79	1.79	0.070																4.9	15.9	732	171	174	0.19	0.74
07/13/2021	Tue	56.1	152	465	70.4	0.0	27.0	43.4	0.0	0.04	0.28	0.01	77.5	126.6	7.7	1.79	1.79	1.79	0.050																			
07/14/2021	Wed	57.6			40.6	0.0	34.7	5.9	0.0	0.03	0.03	0.00	77.0	105.9	7.7	1.79	1.79	1.79	0.080	1.9	99.6	0.9	99.4	0.2	0.2	0.05	0.10	0.78	0.68	0.98							
07/15/2021	Thu	68.8			64.3	0.0	32.6	31.7	0.0	0.03	0.03	0.00	77.1	113.8	7.8	1.79	1.79	1.79	0.130																			
07/16/2021	Fri	62.8			63.2	0.0	27.8	35.4	0.0	0.03	0.03	0.00	78.0	122.4	7.8	1.79	1.79	1.79	0.120																			
07/17/2021	Sat	65.6			44.2	0.0	24.0	20.2	0.0	0.03	0.08	0.00	77.6	113.9	7.7	1.79	1.79	1.79	0.060																			
07/18/2021	Sun	63.0			62.3	0.0	26.1	36.2	0.0	0.03	0.22	0.02	77.1	106.4	7.7	1.79	1.79	1.79	0.160																			
07/19/2021	Mon	62.1			53.7	0.0	20.2	33.5	0.0	0.13	0.29	0.02	76.3	116.5	7.2	1.79	1.79	1.79	0.080																			
07/20/2021	Tue	58.8	242	450	66.4	0.0	24.1	42.3	0.0	0.10	0.22	0.01	74.7	116.2	7.2	1.79	1.79	1.79	0.120																			
07/21/2021	Wed	69.5			62.1	0.0	28.5	33.6	0.0	0.03	0.03	0.00	72.9	112.7	7.5	1.79	1.79	1.79	0.080	4.0	99.1	0.9	99.6	0.7	0.7	0.05	0.09	0.81	0.72	1.56							
07/22/2021	Thu	60.7			71.9	0.0	26.5	45.4	0.0	0.03	0.03	0.00	73.7	110.1	7.5	1.79	1.79	1.79	0.100																			
07/23/2021	Fri	64.1			46.1	0.0	35.0	11.1	0.0	0.03	0.03	0.00	75.9	106.8	7.9	1.79	1.79	1.79	0.180																			
07/24/2021	Sat	67.7			48.7	0.0	18.6	30.1	0.0	0.03	0.03	0.00	75.2	98.7	7.6	1.79	1.79	1.79	0.110																			
07/25/2021	Sun	67.4			67.5	0.0	26.9	40.6	0.0	0.03	0.21	0.01	74.6	100.0	7.6	1.79	1.79	1.79	0.090																			
07/26/2021	Mon	56.6			67.6	0.0	18.7	48.9	0.0	0.03	0.22	0.01	73.5	117.6	7.3	1.79	1.79	1.79	0.049																			
07/27/2021	Tue	62.8	260	439	64.6	0.0	22.9	41.7	0.0	0.03	0.04	0.00	72.6	117.6	7.9	1.79	1.79	1.79	0.100																			
07/28/2021	Wed	63.2			53.1	0.0	17.6	35.5	0.0	0.03	0.04	0.00	72.9	124.5	7.3	1.79	1.79	1.79	0.070	2.0	99.5	0.9	99.7	0.7	0.6	0.05	0.09	1.31	1.22	1.99							
07/29/2021	Thu	70.7			70.8	0.0	28.5	42.3	0.0	0.03	0.03	0.00	73.4	125.0	7.3	1.79	1.79	1.79	0.100																			
07/30/2021	Fri	62.0			62.2	0.0	29.2	33.0	0.0	0.03	0.03	0.00	73.6	116.5	7.7	1.79	1.79	1.79	0.049																			
07/31/2021	Sat	66.7			44.1	0.0	14.1	30.1	0.0	0.03	0.04	0.00	72.7	96.9	7.5	1.79	1.79	1.79	0.070																			
TOTAL	1,927			1,791.6	0.0	740.8	1,050.8	0.0																													
MAX	70.7	271	562	73.6	0.0	40.8	62.6	0.0	0.13	0.31	0.03	78.0	135.7	7.9	1.79	1.79	1.79	0.180	4.0	99.7	0.9	99.7	0.7	0.7	0.10	0.10	1.31	1.22	1.99	4.9	15.9	732	171	174	0.19	0.74
AVG	62.2	231	479	57.8	0.0	23.9	33.9	0.0	0.04	0.13	0.01	75.3	114.4	7.5	1.79	1.79	1.79	0.081	2.5	99.5	0.9	99.6	0.4	0.4	0.06	0.09	0.90	0.81	1.35	4.9	15.9	732	171	174	0.19	0.74
MIN	54.0	152	439	35.8	0.0	1.8	2.9	0.0	0.03	0.03	0.00	72.6	96.9	7.0	1.79	1.79	1.79	0.049	1.9	99.1	0.9	99.4	0.1	0.0	0.05	0.09	0.71	0.62	0.86	4.9	15.9	732	171	174	0.19	0.74

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15						
Limit 3															240	med			45		45																
08/01/2021	Sun	64.2			68.4	0.0	22.4	46.0	0.0	0.03	0.04	0.00	72.2	96.7	7.2	1.79	1.79	1.79	0.100																			
08/02/2021	Mon	60.2			50.0	0.0	14.8	35.2	0.0	0.03	0.24	0.01	74.9	115.2	7.4	1.79	1.79	1.79	0.049																			
08/03/2021	Tue	53.3	235	73	68.7	0.0	28.3	40.4	0.0	0.03	0.09	0.00	76.8	121.6	7.8	1.79	1.79	1.79	0.050																			
08/04/2021	Wed	55.5			40.2	0.0	17.1	23.1	0.0	0.03	0.03	0.00	75.7	97.8	8.0	1.79	1.79	1.79	0.080	6.0	91.8	0.9	99.6	0.3	0.3	0.05	0.09	0.76	0.67	1.06	4.9	0.3	812	223	192	0.28	0.19
08/05/2021	Thu	57.7			63.7	0.0	22.6	41.0	0.0	0.03	0.03	0.00	75.2	97.5	7.5	1.79	1.79	1.79	0.070																			
08/06/2021	Fri	66.4			57.1	0.0	31.1	26.1	0.0	0.03	0.03	0.00	75.4	95.9	7.8	1.79	1.79	1.79	0.049																			
08/07/2021	Sat	67.3			57.1	0.0	19.1	38.0	0.0	0.03	0.03	0.00	75.7	97.4	7.6	1.79	1.79	1.79	0.070																			
08/08/2021	Sun	64.1			67.5	0.0	29.6	37.9	0.0	0.03	0.03	0.00	75.5	112.2	7.3	1.79	1.79	1.79	0.060																			
08/09/2021	Mon	56.7			53.0	0.0	17.5	35.5	0.0	0.03	0.20	0.00	75.1	104.4	7.6	1.79	1.79	1.79	0.060																			
08/10/2021	Tue	56.2	316	836	62.1	0.0	23.4	38.7	0.0	0.03	0.11	0.00	74.6	97.6	7.5	1.79	1.79	1.79	0.080																			
08/11/2021	Wed	64.9			47.0	0.0	5.6	41.4	0.0	0.03	0.03	0.00	74.1	97.4	7.7	1.79	1.79	1.79	0.060		100.0	0.9	99.7	0.4	0.4	0.05	0.10	0.71	0.61	1.14								
08/12/2021	Thu	57.3			57.4	0.0	10.1	47.3	0.0	0.03	0.03	0.00	74.8	98.0	7.6	1.79	1.79	1.79	0.100	2.0																			
08/13/2021	Fri	59.0			66.7	0.0	34.3	32.3	0.0	0.03	0.03	0.00	75.3	96.4	7.9	1.79	1.79	1.79	0.120																			
08/14/2021	Sat	65.4			46.3	0.0	46.2	0.1	0.0	0.03	0.03	0.00	75.2	97.0	7.5	1.79	1.79	1.79	0.140																			
08/15/2021	Sun	64.9			66.7	0.0	18.4	48.3	0.0	0.03	0.04	0.00	75.3	97.3	7.0	1.79	1.79	1.79	0.150																			
08/16/2021	Mon	56.3			49.8	0.0	3.8	46.0	0.0	0.03	0.22	0.01	75.5	108.5	7.1	1.79	1.79	1.79	0.049																			
08/17/2021	Tue	53.8	258	438	64.9	0.0	19.7	45.1	0.0	0.03	0.20	0.00	75.5	115.6	7.8	1.79	1.79	1.79	0.080																			
08/18/2021	Wed	61.4			40.1	0.0	9.2	30.9	0.0	0.03	0.04	0.00	75.3	115.5	7.7	1.79	1.79	1.79	0.130	3.0	99.3	0.9	99.7	1.1	1.0	0.05	0.09	0.75	0.66	1.84								
08/19/2021	Thu	57.2			54.8	0.0	1.0	53.8	0.0	0.03	0.03	0.00	75.9	98.3	7.0	1.79	1.79	1.79	0.100																			
08/20/2021	Fri	60.4			56.9	0.0	13.3	43.5	0.0	0.03	0.27	0.01	76.1	96.8	7.4	1.79	1.79	1.79	0.120																			
08/21/2021	Sat	66.2			58.7	0.0	39.5	19.1	0.0	0.03	0.04	0.00	76.2	96.3	7.0	1.79	1.79	1.79	0.060																			
08/22/2021	Sun	65.4			56.9	0.0	0.2	56.7	0.0	0.03	0.03	0.00	76.4	96.6	7.0	1.79	1.79	1.79	0.060																			
08/23/2021	Mon	55.6			62.5	0.0	6.3	56.2	0.0	0.03	0.21	0.01	76.3	99.2	7.0	1.79	1.79	1.79	0.080																			
08/24/2021	Tue	57.9	156	408	60.9	0.0	0.6	60.4	0.0	0.03	0.03	0.00	76.1	98.3	8.0	1.79	1.79	1.79	0.080																			
08/25/2021	Wed	57.6			46.8	0.0	8.5	38.3	0.0	0.03	0.03	0.00	75.9	108.4	7.8	1.79	1.79	1.79	0.080	1.9	99.5	0.9	99.4	1.4	1.3	0.05	0.09	0.36	0.27	1.73								
08/26/2021	Thu	65.5			64.9	0.0	21.2	43.7	0.0	0.03	0.04	0.00	75.7	116.7	8.0	1.79	1.79	1.79	0.120																			
08/27/2021	Fri	59.0			54.6	0.0	3.7	50.9	0.0	0.03	0.04	0.00	75.7	104.7	7.6	1.79	1.79	1.79	0.080																			
08/28/2021	Sat	66.2			61.7	0.0	6.6	55.1	0.0	0.03	0.03	0.00	75.1	100.6	7.7	1.79	1.79	1.79	0.060																			
08/29/2021	Sun	63.5			56.4	0.0	0.4	56.0	0.0	0.03	0.04	0.00	74.3	109.6	7.0	1.79	1.79	1.79	0.060																			
08/30/2021	Mon	53.5			56.8	0.0	1.8	54.9	0.0	0.03	0.23	0.01	73.5	101.1	7.0	1.79	1.79	1.79	0.049																			
08/31/2021	Tue	47.1	240	130	53.0	0.0	25.2	27.7	0.0	0.03	0.23	0.01	70.3	126.6	7.2	1.79	1.79	1.79	0.049																			
TOTAL	1,860			1,771.6	0.0	501.6	1,270.0	0.0																													
MAX	67.3	316	836	68.7	0.0	46.2	60.4	0.0	0.03	0.27	0.01	76.8	126.6	8.0	1.79	1.79	1.79	0.150	6.0	100.0	0.9	99.7	1.4	1.3	0.05	0.10	0.76	0.67	1.84	4.9	0.3	812	223	192	0.28	0.19
AVG	60.0	241	377	57.1	0.0	16.2	41.0	0.0	0.03	0.09	0.00	75.1	103.7	7.5	1.79	1.79	1.79	0.080	3.2	97.7	0.9	99.6	0.8	0.7	0.05	0.09	0.65	0.55	1.44	4.9	0.3	812	223	192	0.28	0.19
MIN	47.1	156	73	40.1	0.0	0.2	0.1	0.0	0.03	0.03	0.00	70.3	95.9	7.0	1.79	1.8	1.79	0.049	1.9	91.8	0.9	99.4	0.3	0.3	0.05	0.09	0.36	0.27	1.06	4.9	0.3	812	223	192	0.28	0.19

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

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1				10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
09/01/2021	Wed	49.0			44.6	0.0	23.3	21.3	0.0	0.03	0.04	0.00	72.2	120.8	7.4	1.79	1.79	1.79	0.060	1.9	98.5	0.9	99.6	1.1	1.1	0.05	0.09	0.46	0.37	1.60	4.9	11.6	900	224	184	0.17	0.19
09/02/2021	Thu	59.2			48.5	0.0	23.8	24.7	0.0	0.03	0.03	0.00	75.4	97.1	7.0	1.79	1.79	1.79	0.100																			
09/03/2021	Fri	57.1			53.4	0.0	14.3	39.0	0.0	0.03	0.05	0.00	75.4	96.7	7.1	1.79	1.79	1.79	0.070																			
09/04/2021	Sat	66.5			55.9	0.0	0.2	55.7	0.0	0.03	0.03	0.00	75.1	97.0	7.6	1.79	1.79	1.79	0.049																			
09/05/2021	Sun	63.2			56.3	0.0	13.0	43.2	0.0	0.03	0.21	0.01	75.4	98.9	6.9	1.79	1.79	1.79	0.049																			
09/06/2021	Mon	60.7			63.8	0.0	32.9	30.9	0.0	0.03	0.03	0.00	75.5	111.2	7.6	1.79	1.79	1.79	0.049																			
09/07/2021	Tue	49.5	263	520	60.3	0.0	18.6	41.7	0.0	0.03	0.21	0.01	75.4	120.4	7.7	1.79	1.79	1.79	0.049																			
09/08/2021	Wed	58.6			48.0	0.0	24.0	24.0	0.0	0.03	0.03	0.00	76.4	106.1	7.9	1.79	1.79	1.79	0.049	4.0	99.2	1.0	99.6	0.2	0.2	0.05	0.09	1.21	1.12	1.44							
09/09/2021	Thu	49.6			56.2	0.0	14.9	41.3	0.0	0.03	0.03	0.00	76.1	110.9	7.9	1.79	1.79	1.79	0.049																			
09/10/2021	Fri	55.1			39.9	0.0	17.5	22.4	0.0	0.03	0.03	0.00	75.1	131.9	7.6	1.79	1.79	1.79	0.080																			
09/11/2021	Sat	61.2			54.1	0.0	1.5	52.6	0.0	0.03	0.09	0.00	74.0	131.0	7.6	1.79	1.79	1.79	0.049																			
09/12/2021	Sun	59.7			52.5	0.0	18.4	34.2	0.0	0.03	0.03	0.00	74.2	119.0	7.0	1.79	1.79	1.79	0.060																			
09/13/2021	Mon	52.6			56.7	0.0	30.9	25.8	0.0	0.03	0.03	0.00	73.7	102.3	6.9	1.79	1.79	1.79	0.090																			
09/14/2021	Tue	47.7	306	558	62.7	0.0	13.1	49.6	0.0	0.03	0.03	0.00	72.8	97.5	6.6	1.79	1.79	1.79	0.130																			
09/15/2021	Wed	48.7			44.8	0.0	31.1	13.7	0.0	0.03	0.03	0.00	72.3	114.3	7.2	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.7	0.6	0.5	0.05	0.09	0.09	0.00	0.68							
09/16/2021	Thu	56.7			54.4	0.0	33.2	21.2	0.0	0.03	0.03	0.00	73.3	115.4	7.5	1.79	1.79	1.79	0.090																			
09/17/2021	Fri	51.9			38.6	0.0	21.4	17.3	0.0	0.03	0.03	0.00	77.0	100.6	7.7	1.79	1.79	1.79	0.130																			
09/18/2021	Sat	57.5			47.8	0.0	0.2	47.7	0.0	0.03	0.03	0.00	76.8	101.2	7.7	1.79	1.79	1.79	0.049																			
09/19/2021	Sun	55.5			55.4	0.0	14.8	40.6	0.0	0.03	0.03	0.00	76.8	101.6	7.0	1.79	1.79	1.79	0.049																			
09/20/2021	Mon	49.6			45.6	0.0	19.2	26.4	0.0	0.03	0.14	0.00	76.8	97.8	6.9	1.79	1.79	1.79	0.950																			
09/21/2021	Tue	47.4	242	485	59.2	0.0	16.1	43.1	0.0	0.03	0.03	0.00	76.0	100.2	7.1	1.79	1.79	1.79	0.080																			
09/22/2021	Wed	51.5			50.3	0.0	40.3	10.0	0.0	0.03	0.03	0.00	75.4	113.3	7.5	1.79	1.79	1.79	0.050	2.0	99.6	0.9	99.6	1.4	0.9	0.49	0.09	0.94	0.85	2.33							
09/23/2021	Thu	50.0			45.9	0.0	40.6	5.3	0.0	0.03	0.03	0.00	75.2	114.4	7.3	1.79	1.79	1.79	0.100																			
09/24/2021	Fri	63.0			43.8	0.0	22.1	21.7	0.0	0.03	0.03	0.00	75.3	106.6	7.8	1.79	1.79	1.79	0.100																			
09/25/2021	Sat	60.9			58.0	0.0	0.2	57.7	0.0	0.03	0.03	0.00	75.5	106.8	7.0	1.79	1.79	1.79	0.060																			
09/26/2021	Sun	55.1			66.5	0.0	16.7	49.8	0.0	0.03	0.03	0.00	75.0	107.9	7.0	1.79	1.79	1.79	0.060																			
09/27/2021	Mon	50.5			40.9	0.0	7.9	33.0	0.0	0.03	0.09	0.00	74.3	116.5	7.9	1.79	1.79	1.79	0.060																			
09/28/2021	Tue	47.0	151	470	54.1	0.0	14.1	40.0	0.0	0.03	0.11	0.00	73.6	108.3	7.0	1.79	1.79	1.79	0.140																			
09/29/2021	Wed	50.1			46.3	0.0	15.3	31.0	0.0	0.03	0.03	0.00	73.9	108.1	7.8	1.79	1.79	1.79	0.100	5.0	98.9	1.0	99.3	1.7	1.7	0.05	0.09	1.47	1.38	3.19							
09/30/2021	Thu	51.4			50.5	0.0	23.0	27.4	0.0	0.03	0.03	0.00	72.1	109.7	7.5	1.79	1.79	1.79	0.130																			
TOTAL		1,636			1,555.0	0.0	562.6	992.4	0.0																													
MAX		66.5	306	558	66.5	0.0	40.6	57.7	0.0	0.03	0.21	0.01	77.0	131.9	7.9	1.79	1.79	1.79	0.950	5.0	99.6	1.0	99.7	1.7	1.7	0.49	0.09	1.47	1.38	3.19	4.9	11.6	900	224	184	0.17	0.19
AVG		54.5	241	508	51.8	0.0	18.8	33.1	0.0	0.03	0.05	0.00	74.9	108.8	7.4	1.79	1.79	1.79	0.104	3.0	99.2	0.9	99.6	1.0	0.9	0.14	0.09	0.83	0.74	1.85	4.9	11.6	900	224	184	0.17	0.19
MIN		47.0	151	470	38.6	0.0	0.2	5.3	0.0	0.03	0.03	0.00	72.1	96.7	6.6	1.79	1.79	1.79	0.049	1.9	98.5	0.9	99.3	0.2	0.2	0.05	0.09	0.09	0.00	0.68	4.9	11.6	900	224	184	0.17	0.19

ATTACHMENT B: QUARTERLY EFF

		>> DATE >>	1/7	4/23	7/30				
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals									
Aluminum	1	mg/L	0.02	0.02	0.03		0.02	0.023	0.02
Antimony	0.006	mg/L	0.0009	0.0016	0.0017		0.0016	0.0014	0.0009
Arsenic	0.01	mg/L	0.0011	0.0021	0.0019		0.0021	0.0017	0.0011
Asbestos	7	MFL	0	0	0		0	0	0
Barium	1	mg/L	0.013	0.016	0.030		0.016	0.019667	0.013
Beryllium	0.004	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Cadmium	0.005	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Chromium	0.05	mg/L	0.0026	0.0033	0.0026		0.0033	0.002833	0.0026
Cyanide	0.15	mg/L	0.004	0.019	0.011		0.019	0.011333	0.004
Mercury	0.002	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Nickel	0.1	mg/L	0.0035	0.0040	0.0048		0.004	0.0041	0.0035
Selenium	0.05	mg/L	0.0019	0.0019	0.0019		0.0019	0.0019	0.0019
Thallium	0.002	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Perchlorate	0.006	mg/L	0	0	0		0	0	0
Fluoride	2	mg/L	1.69	1.57	1.50		1.69	1.586667	1.5
A2 - Radioactivity									
Radium-226 + Radium-228	5	pCi/L	0.868	0.807	1.053		0.868	0.909333	0.807
Gross Alpha Particle Activity[1]	15	pCi/L	1.32	1.30	1.49		1.32	1.37	1.3
Tritium	20,000	pCi/L	434	434	434		434	434	434
Strontium-90	8	pCi/L	0.421	0.438	0.648		0.438	0.502333	0.421
Gross Beta Particle Activity	50	pCi/L	0.921	0.922	1.170		0.922	1.004333	0.921
Uranium	20	pCi/L	0.69	0.69	0.70		0.69	0.693333	0.69
A3 - Volatile Organic Chemicals									
Benzene	0.001	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Carbon Tetrachloride (CTC)	0.0005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1,2-Dichlorobenzene	0.6	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1.4-Dichlorobenzene	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1, 1-Dichloroethane	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1,2-Dichloroethane (1,2-DCA)	0.0005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Cis-1,2-Dichloroethylene	0.006	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Trans-1,2-Dichloroethylene	0.01	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Dichloromethane	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
1,3-Dichloropropene	0.0005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Ethylbenzene	0.3	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Methyl-tert-butyl-ether (MTBE)	0.013	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Monochlorobenzene	0.07	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Styrene	0.1	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049

		>> DATE >>	1/7	4/23	7/30				
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A3 - Non-Volatile Synthetic Organics									
Alachlor	0.002	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Atrazine	0.001	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Bentazon	0.018	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Benzo(a)pyrene	0.0002	mg/L	0.000049	0.000049	0.000049		0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Chlordane	0.0001	mg/L	0.000089	0.000089	0.000089		0.000089	0.000089	0.000089
2,4-D	0.07	mg/L	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
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L	0.000009	0.000009	0.000009		0.000009	0.000009	0.000009
Di(2-ethylhexyl)adipate	0.4	mg/L	0.0019	0.0019	0.0019		0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate	0.004	mg/L	0.0019	0.0019	0.0019		0.0019	0.0019	0.0019
Dinoseb	0.007	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Diquat	0.02	mg/L	0	0	0		0	0	0
Endothall	0.1	mg/L	0	0	0		0	0	0
Endrin	0.002	mg/L	0.000009	0.000009	0.000009		0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.0000019	0.000019	0.0000019		0.000019	0.0000076	0.0000019
Glyphosate	0.7	mg/L	0	0	0		0	0	0
Heptachlor	0.00001	mg/L	0.000009	0.000089	0.000009		0.000089	0.0000357	0.000009
Heptachlor Epoxide	0.00001	mg/L	0.000009	0.000089	0.000009		0.000089	0.0000357	0.000009
Hexachlorobenzene	0.001	mg/L	0.000009	0.000089	0.000009		0.000089	0.0000357	0.000009
Hexachlorocyclopentadiene	0.05	mg/L	0.000009	0.000089	0.000009		0.000089	0.0000357	0.000009
lindane	0.0002	mg/L	0.000009	0.000089	0.000009		0.000089	0.0000357	0.000009
Methoxychlor	0.03	mg/L	0.000049	0.000049	0.000049		0.000049	0.000049	0.000049
Molinate	0.02	mg/L	0.0002	0.00019	0.00019		0.0002	0.0001933	0.00019
Oxamyl	0.05	mg/L	0.0019	0.0019	0.0019		0.0019	0.0019	0.0019
Pentachlorophenol	0.001	mg/L	0.000089	0.000089	0.000089		0.000089	0.000089	0.000089
Picloram	0.5	mg/L	0.0009	0.0009	0.0009		0.0009	0.0009	0.0009
Polychlorinated Biphenyls	0.0005	mg/L	0.000089	0.00019	0.000089		0.00019	0012266666	0.000089
Simazine	0.004	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Thiobencarb	0.07	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Toxaphene	0.003	mg/L	0.000089	0.000089	0.000089		0.000089	0.000089	0.000089
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	9.86	9.18	4.06		9.86	7.7	4.06
2,4,5-TP (Silvex)	0.05	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
A4 - Disinfection Byproducts									
Total Trihalomethanes (TTHM)	0.08	ppb	0.0007	20.6	27.3		27.3	15.9669	0.0007
Bromodichloromethane			0.0026	0.0067	0.0044		0.0067	0.0045667	0.0026
Bromoform			0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Chloroform			0.0063	0.0127	0.0224		0.0224	0.0138	0.0063
Dibromochloromethane			0.0007	0.0012	0.00049		0.0012	0.0007967	0.00049
Haloacetic acid (five) (HAA5)	0.06	ppb	6.58	23.2	14.7		23.2	14.826667	6.58

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

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

Monochloroacetic acid		ppb	0.90	4.87	2.09		4.87	2.62	0.90
Dichloroacetic acid		ppb	4.3	12.5	8.3		12.5	8.3566667	4.3
Trichloroacetic acid		ppb	1.7	5.1	3.4		5.1	3.4066667	1.7
Monobromoacetic acid		ppb	0.9	0.9	0.9		0.9	0.9	0.9
Dibromoacetic acid		ppb	0.7	0.9	0.9		0.9	0.8333333	0.7
Bromate 121	0.01	ppb	24.9	24.9	22.1		24.9	23.966667	22.1
Chlorite131	1	ppb	99.9	99.9	27.2		99.9	75.666667	27.2

A5 - Secondary MCLs									
Aluminum	0.2	mg/L	0.02	0.02	0.03		0.029	0.023	0.02
Color	150	CU	34.1	33.3	21.6		34.1	29.666667	21.6
Copper	1	mg/L	0.0005	0.0015	0.0015		0.0015	0.0011667	0.0005
Corrosivity (Langelier Index)	Non		-0.006	0.3	-0.3		0.3	-0.002	-0.3
Foam Agents (MBAS)	0.5	mg/L	0.30	0.51	0.19		0.51	0.3333333	0.19
Iron	0.3	mg/L	0.04	0.05	0.03		0.05	0.04	0.03
Manganese	0.05	mg/L	0.063	0.052	0.019		0.063	0.0446667	0.019
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.00049	0.00049	0.00049		0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.	0.9	0.9	0.9		0.9	0.9	0.9
Silver	0.1	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Thiobencarb	0.001	mg/L	0.00019	0.00019	0.00019		0.00019	0.00019	0.00019
Zinc	5	mg/L	0.048	0.035	0.017		0.048	0.033333	0.017

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

	DATE	DAY	GAL	LOCATION	DESCRIPTION	REASON FOR HAUL	DESTINATION	HAULER
FIRST QUARTER	01/13/2021	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	01/22/2021	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/03/2021	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/09/2021	Tue	7,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/10/2021	Wed	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	02/11/2021	Thu	2,500	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	03/04/2021	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	03/18/2021	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		40,000					

SECOND QUARTER	04/02/2021	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	04/06/2021	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/06/2021	Thu	20,000	104	Waste Activated Sludge	Biological Process Control	PCV	Ely Jr's Pumping
	05/14/2021	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/20/2021	Thu	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	05/26/2021	Wed	5,000	MBT	Waste Activated Sludge	Emergency Pumping	JWPCP	Ely Jr's Pumping
	06/03/2021	Thu	5,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	06/04/2021	Fri	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	06/24/2021	Thu	10,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		65,000					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

THIRD QUARTER	07/14/2021	Wed	10,000	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	08/11/2021	Wed	10,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/22/2021	Wed	1,000	IPS	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/22/2021	Wed	9,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		30,000					

FOURTH QUARTER								
	QUARTER TOTAL		0					

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jul-21 17:56
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21F0701-01) Collected: 28-Jun-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF12837	1.8	28-Jun-21	30-Jun-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF12837	1.8	28-Jun-21	30-Jun-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AF12931	0.1	28-Jun-21	28-Jun-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AF12826	0.05	28-Jun-21	28-Jun-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21F0731-01) Collected: 29-Jun-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF12930	1.8	29-Jun-21	02-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF12930	1.8	29-Jun-21	02-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG10406	0.1	29-Jun-21	29-Jun-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10126	0.05	30-Jun-21	30-Jun-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21F0768-01) Collected: 30-Jun-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AF13033	1.8	30-Jun-21	04-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AF13033	1.8	30-Jun-21	04-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG10406	0.1	30-Jun-21	30-Jun-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10126	0.05	01-Jul-21	01-Jul-21	**0.11 mg/l**	
EFF (Sample I.D.# : 21G0015-01) Collected: 01-Jul-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10131	1.8	01-Jul-21	04-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10131	1.8	01-Jul-21	04-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG10406	0.1	01-Jul-21	01-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10210	0.05	02-Jul-21	02-Jul-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 7/13/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 13-Jul-21 17:56
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0043-01) Collected: 02-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10204	1.8	02-Jul-21	04-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10204	1.8	02-Jul-21	04-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG10406	0.1	02-Jul-21	02-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10210	0.05	02-Jul-21	02-Jul-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21G0064-01) Collected: 03-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10306	1.8	03-Jul-21	06-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10306	1.8	03-Jul-21	06-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG10406	0.1	03-Jul-21	03-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10405	0.05	04-Jul-21	04-Jul-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 7/13/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0015

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	7/1/21	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 32.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JUL 01 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/1/21	1250
Received by:	Cindy martinez	7-1-21	1250
Relinquished by:	Cindy martinez	7-1-21	15:10
Received by:			
Relinquished by:			
Received in lab by:	JUL 01 2021		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	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.#: 21G0043

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	7/2/21	11:52	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 32.1 C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 02 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/2/21	11:55
Received by		Cindy Martinez (IPC)	7/2/21	12:36
Relinquished by			7/2/21	1355
Received by				
Relinquished by				
Received in lab by			JUL 02 2021	1355

Sample Received Checklist 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160064

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 Vardel / Golan Kfir	Phone #: 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/3/21	~~7:40~~ 9:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	9:40	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	Marie Aguirre (IPC)	7/3/21	9.45
Received by	Richard Martinez PC	7/3/21	1128
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez PC	7/3/21	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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Jul-21 15:21
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0068-01) Collected: 04-Jul-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10404	1.8	04-Jul-21	06-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10404	1.8	04-Jul-21	06-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11529	0.1	04-Jul-21	04-Jul-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10914	0.05	07-Jul-21	07-Jul-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21G0073-01) Collected: 05-Jul-21 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10512	1.8	05-Jul-21	08-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10512	1.8	05-Jul-21	08-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11529	0.1	05-Jul-21	05-Jul-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10914	0.05	07-Jul-21	07-Jul-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21G0112-01) Collected: 06-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10624	1.8	06-Jul-21	08-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10624	1.8	06-Jul-21	08-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11539	0.1	06-Jul-21	06-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10914	0.05	07-Jul-21	07-Jul-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21G0150-01) Collected: 07-Jul-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10724	1.8	07-Jul-21	09-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10724	1.8	07-Jul-21	09-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11610	0.1	07-Jul-21	07-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10914	0.05	08-Jul-21	08-Jul-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 7/16/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 16-Jul-21 15:21
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0181-01) Collected: 08-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10833	1.8	08-Jul-21	12-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10833	1.8	08-Jul-21	12-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11539	0.1	08-Jul-21	08-Jul-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10914	0.05	08-Jul-21	08-Jul-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21G0223-01) Collected: 09-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG10907	1.8	09-Jul-21	12-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG10907	1.8	09-Jul-21	12-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11539	0.1	09-Jul-21	09-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG10914	0.05	09-Jul-21	09-Jul-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21G0233-01) Collected: 10-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11129	1.8	10-Jul-21	12-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11129	1.8	10-Jul-21	12-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11539	0.1	10-Jul-21	10-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11230	0.05	12-Jul-21	13-Jul-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21G0237-01) Collected: 11-Jul-21 By eM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11129	1.8	11-Jul-21	13-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11129	1.8	11-Jul-21	13-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11535	0.1	11-Jul-21	11-Jul-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11230	0.05	12-Jul-21	13-Jul-21	**0.06 mg/l**	

Respectfully Submitted,

Steve Jefferson 7/16/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Jul-21 15:21
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,

Steve Jefferson 7/16/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0068

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	7/4/21	945	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1
	"	"	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	E. MORRIS IPC	7/4/21	950
Received by	Juan V. (PCL)	7/4/21	10:07
Relinquished by	Juan V. (PCL)	7/4/21	10:55
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	7/4/21	10:59

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.#: 21G0073

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	7/5/21	11:13	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	Mario Aguirre (IPC)	7/5/21	11:20
Received by	Juan V. (PCL)	7/5/21	12:12
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	7/5/21	14:22

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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.#: 21G0112

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	7/6/21	11:27	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 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/6/21	11:31
Received by		Richard Martinez PCL	7/6/21	1320
Relinquished by		Richard Martinez	7/6/21	1700
Received by				
Relinquished by				
Received in lab by			JUL 06 2021	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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 2162150

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	07/07/21	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
JUL 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/07/21	1210
Received by		Richard Martinez PL	7/7/21	1415
Relinquished by		Richard MTZ	7/7/21	1630
Received by				
Relinquished by				
Received in lab by			JUL 07 2021	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	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.#: 216 0181

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	7/8/21	10:32	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 08 2021
By Aledvalde Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marc Aguirre (IPC)	7/8/21	10:38
Received by		Richard Martinez	7/8/21	1215
Relinquished by		Richard Martinez	7/8/21	1520
Received by				
Relinquished by				
Received in lab by	Aledvalde Jr.		JUL 08 2021	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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0223

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	7/9/21	11:32	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 09 2021
By

Geotracker EDD.
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/9/21	11:30
Received by		Richard Martinez PC	7/9/21	1250
Relinquished by		Richard Martinez	7/9/21	1510
Received by				
Relinquished by				
Received in lab by			JUL 09 2021	1510

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 210233

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	7/10/21	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 Avalos	Jesus Avalos (IPC)	7/10/21	11:55
Received by:	Richard Martinez PCL	7/10/21	1130
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez PCL	7/10/21	1235

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21G0237

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	7/11/21	950	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	7/11/21	955
Received by		Juan V. (PCL)	7/11/21	955
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	7/11/21	11:32

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: 13-Jul-21 18:09
Subject: (MCC) Weekly INF

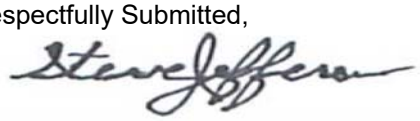
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21G0152-01) Collected: 06-Jul-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG10837	1	08-Jul-21	09-Jul-21	**271 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG10826	2	08-Jul-21	13-Jul-21	**562 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 7/13/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 210152

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	07/06/21	0300	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUL 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (IPC)	07/07/21	1210
Received by		Richard Martinez	7/7/21	1415
Relinquished by		Richard Martinez	7/2/21	1630
Received by				
Relinquished by				
Received in lab by		JUL 07 2021		1630

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: 14-Jul-21 13:12
Subject: (MCC) Weekly EFF

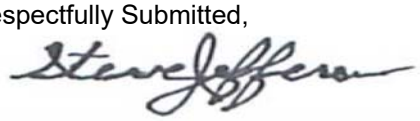
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0154-01) Collected: 07-Jul-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG10837	1	08-Jul-21	09-Jul-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG11231	0.10	12-Jul-21	13-Jul-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AG10835	0.05	08-Jul-21	08-Jul-21	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AG10835	0.05	08-Jul-21	08-Jul-21	**0.10 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG11323	0.10	13-Jul-21	14-Jul-21	**0.71 mg/l**	
EFF (Sample I.D.# : 21G0154-02) Collected: 06-Jul-21 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG10826	2	08-Jul-21	13-Jul-21	**<2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 7/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0154

Customer: IPC - Integrated Environmental Compliance Inc
Project: (MCC) EFF - Weekly

Address: 9257 Research Drive
Sampled by:
P.O. #:

Irvine CA 92618
Report Attention: Ric Vargas / Brian Kar
Phone #: 949-382-3057

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	07/07/21	1205	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	
	07/06/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	07/07/21	1210
Received by		Richard Martinez (PCL)	7/7/21	1415
Relinquished by		Richard Martinez	7/7/21	1630
Received by				
Relinquished by				
Received in lab by			JUL 07 2021	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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

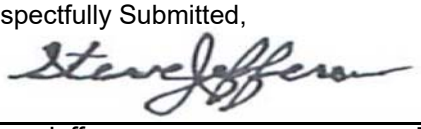
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Jul-21 15:27
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0251-01) Collected: 12-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11222	1.8	12-Jul-21	14-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11222	1.8	12-Jul-21	14-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11535	0.1	12-Jul-21	12-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11230	0.05	12-Jul-21	13-Jul-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21G0274-01) Collected: 13-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11331	1.8	13-Jul-21	15-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11331	1.8	13-Jul-21	15-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11535	0.1	13-Jul-21	13-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11425	0.05	14-Jul-21	14-Jul-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21G0319-01) Collected: 14-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11434	1.8	14-Jul-21	16-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11434	1.8	14-Jul-21	16-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11535	0.1	14-Jul-21	14-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11545	0.05	15-Jul-21	15-Jul-21	**0.08 mg/l**	

Respectfully Submitted,



Steve Jefferson 7/16/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 16-Jul-21 15:27
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,

Steve Jefferson 7/16/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160251

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	7/12/21	11:13	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.5/25.3 C
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
JUL 12 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/12/21	11:22
Received by		Cindy MMG	7-12-21	11:30
Relinquished by		Cindy MMG	7-12-21	12:30
Received by				
Relinquished by				
Received in lab by		JUL 12 2021		1230

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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21G0274

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	7/13/21	11:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7/25.6	C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST		

RECEIVED
JUL 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/13/21	11:39
Received by			7-13-21	11:42
Relinquished by			7-13-21	1455
Received by				
Relinquished by				
Received by		JUL 13 2021		1455

Sample Received Checklist

Temperature upon receipt: 4.6 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 21G0319

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: Maria 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	7/14/21	11:52	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 31-4
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maria Aguirre (IPC)	7/14/21	12:05
Received by		Cindy Marin	7-14-21	12:30
Relinquished by		Cindy Marin	7-14-21	1355
Received by				
Relinquished by				
Received by		JUL	14 2021	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

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jul-21 14:40
Subject: (MCC) Monthly EFF

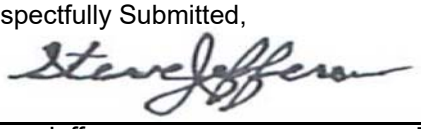
Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0255-01) Collected: 12-Jul-21 By MA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AG11326	5	13-Jul-21	14-Jul-21	**732 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AG11531	20.0	15-Jul-21	15-Jul-21	**174 mg/l**	
Sulfate as SO4	EPA 300.0	AG11531	10.0	15-Jul-21	15-Jul-21	**171 mg/l**	
Boron	EPA 200.7	AG11426	0.10	14-Jul-21	16-Jul-21	**0.19 mg/l**	
Phosphorus, Total as P	EPA 365.3	AG11537	0.50	15-Jul-21	16-Jul-21	**15.9 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AG11333	0.20	13-Jul-21	13-Jul-21	**0.74 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AG12029	5	20-Jul-21	20-Jul-21	**<5 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 7/23/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0255

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/12/21	11:17	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.7/25.4°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
JUL 12 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/12/21	11:22
Received by		Cindy Murray	7-12-21	11:30
Relinquished by		Cindy M	7-12-21	12:30
Received by				
Relinquished by				
Received in lab by		JUL 12 2021		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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jul-21 14:44
Subject: (MCC) Weekly INF

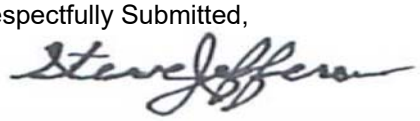
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21G0324-01) Collected: 13-Jul-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG11437	1	14-Jul-21	15-Jul-21	**152 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG11524	2	15-Jul-21	20-Jul-21	**465 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 7/23/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160324

Customer:	IPC - Integrated Performance Consultants, Inc.	Project: (MCC) Weekly INF	
Address:	9297 Research Drive	Sampled by: Maric 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	7/13/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
11	11	0.00	1	BOD	Comp	AQ	1-Liter Plastic	4°C	7.2/230

RECEIVED
JUL 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maric Aguirre (IPC)	7/14/21	12:05
Received by		Cindy Mamy	7/14/21	12:50
Relinquished by		Cindy Mamy	7-14-21	13:55
Received by				
Relinquished by				
Received in lab by			JUL 14 2021	1355

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 05-Aug-21 14:52
Subject: (MCC) Weekly EFF

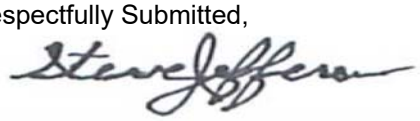
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0321-01) Collected: 14-Jul-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG11437	1	14-Jul-21	15-Jul-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG11929	0.10	19-Jul-21	19-Jul-21	**0.10 mg/l**	
Nitrate as N	EPA 353.2	AG11439	0.05	14-Jul-21	14-Jul-21	**0.15 mg/l**	
Nitrite as N	EPA 353.2	AG11439	0.05	14-Jul-21	14-Jul-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG11523	0.10	15-Jul-21	29-Jul-21	**0.78 mg/l**	
EFF (Sample I.D.# : 21G0321-02) Collected: 13-Jul-21 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG11524	2	15-Jul-21	20-Jul-21	**<2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0321

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC)** Weekly **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	7/14/21	11:55	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.9/27.4 C
"	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
"	7/13/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	7/14/21	12:05
Received by		Cindy Murray	7-14-21	12:50
Relinquished by		Cindy Murray	7-14-21	1355
Received by				
Relinquished by				
Received in lab by		JUL 14 2021		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	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

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

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

Attention: Ric Vardel
Report Date: 23-Jul-21 14:35
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0351-01) Collected: 15-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11536	1.8	15-Jul-21	17-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11536	1.8	15-Jul-21	17-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11610	0.1	15-Jul-21	15-Jul-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11545	0.05	15-Jul-21	15-Jul-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21G0383-01) Collected: 16-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11613	1.8	16-Jul-21	19-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11613	1.8	16-Jul-21	19-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11943	0.1	16-Jul-21	16-Jul-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11617	0.05	16-Jul-21	16-Jul-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21G0409-01) Collected: 17-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11707	1.8	17-Jul-21	19-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11707	1.8	17-Jul-21	19-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11940	0.1	17-Jul-21	17-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11939	0.05	19-Jul-21	19-Jul-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21G0412-01) Collected: 18-Jul-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11815	1.8	18-Jul-21	20-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11815	1.8	18-Jul-21	20-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG11940	0.1	18-Jul-21	18-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG11939	0.05	19-Jul-21	19-Jul-21	**0.16 mg/l**	

Respectfully Submitted,



Steve Jefferson 7/23/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 23-Jul-21 14:35
Subject: (MCC) Daily EFF

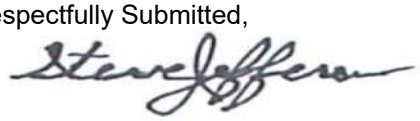
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0432-01) Collected: 19-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG11936	1.8	19-Jul-21	21-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG11936	1.8	19-Jul-21	21-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12124	0.1	19-Jul-21	19-Jul-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12033	0.05	20-Jul-21	20-Jul-21	**0.08 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 7/23/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0351

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	7/15/21	11:07	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8 25.7
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/15/21	11:15
Received by			7-15-21	12:30
Relinquished by			7/15/21	1435
Received by				
Relinquished by				
Received for lab by			JUL 15 2021	1435

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160383

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	7/16/21	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7 / 29.6 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 16 2021
By Abdulhalim Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/16/21	11:30
Received by		Cindy Marroquin	7-16-21	12:15
Relinquished by		Cindy	7/16/21	3:40
Received by				
Relinquished by				
Received in lab by	Abdulhalim Jr.	JUL 16 2021		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.

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.#: 2160409

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	7/17/21	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 Avalos	Jesus Avalos (IPC)	7/17/21	10:55
Received by	Richard Martinez PCL	7/17/21	1130
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez	7/17/21	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	**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.#: 21G0412

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	7/18/21	10:19	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2
	"	"	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	7/18/21	1021
Received by		Juan Vasquez (PCL)	7/18/21	10:21
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	7/19/21	11:20

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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.#: 21G0432

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project : (MCC) Daily EFF
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	7/19/21	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2
11	11	4	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 19 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/19/21	11:30
Received by		Juan V. (PCL)	7/19/21	12:15
Relinquished by		Juan V. (PCL)	7/19/21	13:10
Received by				
Relinquished by				
Received in lab by			JUL 19 2021	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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 18:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0457-01) Collected: 20-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12028	1.8	20-Jul-21	23-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12028	1.8	20-Jul-21	23-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12124	0.1	20-Jul-21	20-Jul-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12033	0.05	20-Jul-21	20-Jul-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21G0493-01) Collected: 21-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12128	1.8	21-Jul-21	23-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12128	1.8	21-Jul-21	23-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12730	0.1	21-Jul-21	21-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12240	0.05	22-Jul-21	22-Jul-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21G0514-01) Collected: 22-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12241	1.8	22-Jul-21	24-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12241	1.8	22-Jul-21	24-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12730	0.1	22-Jul-21	22-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12306	0.05	23-Jul-21	23-Jul-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21G0558-01) Collected: 23-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12311	1.8	23-Jul-21	27-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12311	1.8	23-Jul-21	27-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12730	0.1	23-Jul-21	23-Jul-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12306	0.05	23-Jul-21	23-Jul-21	**0.18 mg/l**	

Respectfully Submitted,

Steve Jefferson 7/28/2021
Laboratory Director

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

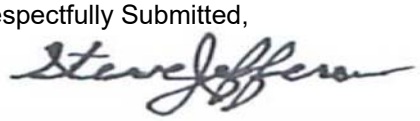
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Jul-21 18:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0571-01) Collected: 24-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12406	1.8	24-Jul-21	27-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12406	1.8	24-Jul-21	27-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12621	0.1	24-Jul-21	24-Jul-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12619	0.05	26-Jul-21	26-Jul-21	**0.11 mg/l**	
EFF (Sample I.D.# : 21G0573-01) Collected: 25-Jul-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12522	1.8	25-Jul-21	27-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12522	1.8	25-Jul-21	27-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12621	0.1	25-Jul-21	25-Jul-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12619	0.05	26-Jul-21	26-Jul-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21G0598-01) Collected: 26-Jul-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12617	1.8	26-Jul-21	28-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12617	1.8	26-Jul-21	28-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AG12730	0.1	26-Jul-21	26-Jul-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12737	0.05	27-Jul-21	27-Jul-21	**<0.05 mg/l**	

Respectfully Submitted,



Steve Jefferson 7/28/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 28-Jul-21 18:17
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,

Steve Jefferson 7/28/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0457

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project: (MCC) Daily EFF
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	7/20/21	11:27	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 28.2°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/20/21	11:30
Received by		Juan V. (PCL)	7/20/21	11:30
Relinquished by		Juan V. (PCL)	7/20/21	12:40
Received by				
Relinquished by				
Received in lab by		JUL 20 2021		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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21G0493

Customer: IPC - Integrated Performance Consultants, Inc
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	7/21/21	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.49/21.0 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/21/21	11:35
Received by		MARIO SANTIESTEBAN (PCL)	7/21/21	1348
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/21/21	1610
Received by				
Relinquished by				
Received in lab by			JUL 21 2021	1610

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160514

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	7/22/21	11:02	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5/25.2
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 22 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/22/21	11:07
Received by		Cindy Murphy	7.22.21	11:15
Relinquished by		Cindy Murphy	7.22.21	1235
Received by				
Relinquished by				
Received at lab by		JUN 22 2021		1235

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
G Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0558

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	7/23/21	11:02	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.9/25.2 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/23/21	11:07
Received by		(relinquishing)	7/23/21	12:20
Relinquished by		Cindy Monroe	7/23/21	13:20
Received by				
Relinquished by				
Received at lab by			JUN 23 2021	13:20

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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.#: 2160571

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	7/24/21	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 Avalos	Jesus Avalos (IPC)	7/24/21	10:55
Received by:	Richard Martinez PC	7/24/21	1100
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez	7/24/21	1200

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**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.#: 21G0573

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF
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	7/25/21	1029	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1
	"	"	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		E. MORRIS IPC	7/25/21	1035
Received by		Juan V. (PCL)	7/25/21	10:10
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	7/25/21	12:08

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21G0598

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: Kyle Vardel
Report Attention: Ric Vardel / Golan Kfir

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/26/21	1205	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 25.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 26 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	7/24/21	1210
Received by		Juan Vasquez (PCL)	7/26/21	1210
Relinquished by		Juan V. (PCL)	7/26/21	16:00
Received by				
Relinquished by				
Received at Lab by		JUN 26 2021		1610

Sample Received Checklist

Temperature upon receipt: 4.6 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab 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: 28-Jul-21 18:11
Subject: (MCC) Weekly INF

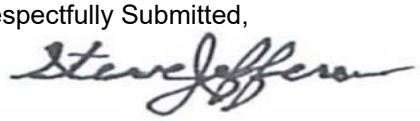
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21G0510-01) Collected: 20-Jul-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG12244	1	22-Jul-21	23-Jul-21	**242 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG12230	2	22-Jul-21	27-Jul-21	**450 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 7/28/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0510

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
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
INF	7/20/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
〃	〃	0:00	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUL 21 2021
By

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

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/21/21	11:35
Received by		MARIO SANTIESTEBAN (PCL)	7/21/21	1548
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/21/21	1610
Received by				
Relinquished by				
Received in lab by		JUL 21 2021		1610

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab (24hr)	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: 05-Aug-21 14:55
Subject: (MCC) Weekly EFF

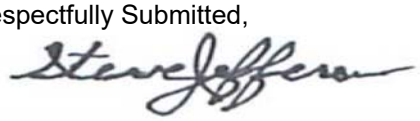
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0495-01) Collected: 21-Jul-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG12244	1	22-Jul-21	23-Jul-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AG12304	0.10	23-Jul-21	23-Jul-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AG12237	0.05	22-Jul-21	22-Jul-21	**0.70 mg/l**	
Nitrite as N	EPA 353.2	AG12237	0.05	22-Jul-21	22-Jul-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AG12925	0.10	29-Jul-21	01-Aug-21	**0.81 mg/l**	
EFF (Sample I.D.# : 21G0495-02) Collected: 20-Jul-21 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG12230	2	22-Jul-21	27-Jul-21	**4 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160495

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/21/21	11:25	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
		11	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
		11	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	7/20/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/21/21	11:35
Received by		MARIO SANTIESTEBAN (PCL)	7/21/21	1348
Relinquished by		MARIO SANTIESTEBAN (PCL)	7/21/21	1610
Received by				
Relinquished by				
Received in lab by			JUL 21 2021	1610

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 05-Aug-21 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.# : 21G0633-01) Collected: 27-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12731	1.8	27-Jul-21	29-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12731	1.8	27-Jul-21	29-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10221	0.1	27-Jul-21	02-Aug-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12739	0.05	27-Jul-21	27-Jul-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21G0658-01) Collected: 28-Jul-21 By KV							
Microbiological							
Fecal Coliforms	SM 9221E	AG12831	1.8	28-Jul-21	30-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12831	1.8	28-Jul-21	30-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10221	0.1	28-Jul-21	28-Jul-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12835	0.05	28-Jul-21	28-Jul-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21G0677-01) Collected: 29-Jul-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG12922	1.8	29-Jul-21	31-Jul-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG12922	1.8	29-Jul-21	31-Jul-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10221	0.1	29-Jul-21	29-Jul-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AG12930	0.05	29-Jul-21	29-Jul-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21G0701-01) Collected: 30-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG13009	1.8	30-Jul-21	01-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG13009	1.8	30-Jul-21	01-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10221	0.1	30-Jul-21	30-Jul-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10132	0.05	01-Aug-21	01-Aug-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 8/5/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 05-Aug-21 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.# : 21G0713-01) Collected: 31-Jul-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AG13107	1.8	31-Jul-21	02-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AG13107	1.8	31-Jul-21	02-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10221	0.1	31-Jul-21	31-Jul-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10132	0.05	01-Aug-21	01-Aug-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21H0003-01) Collected: 01-Aug-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10129	1.8	01-Aug-21	03-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10129	1.8	01-Aug-21	03-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10221	0.1	01-Aug-21	01-Aug-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10132	0.05	01-Aug-21	01-Aug-21	**0.10 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 8/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160633

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project: (MCC) Daily EFF
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	7/27/21	10:59	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 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/27/21	11:37
Received by		Richard Martinez PCL	7/27/21	1300
Relinquished by		Richard Martinez	7/27/21	1530
Received by				
Relinquished by				
Received in lab by		JUL 27 2021		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.

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.#: 2160658

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: Kyle Vardel
Report Attention: Ric Vardel / Golan Kfir

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/28/21	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3/29.2°C
	7/28/21	1200	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	7/28/21	1215
Received by		Juan V. (PCL)	7/28/21	1218
Relinquished by		Juan V. (PCL)	7/28/21	13:18
Received by				
Relinquished by				
Received in lab by			JUL 28 2021	1318

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; AA - Ascorbic Acid; 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.#: 21G0677

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	7/29/21	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 / 29.1°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 29 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	7/29/21	12:10
Received by: Juan V.	Juan V. (PCL)	7/29/21	12:10
Relinquished by: Juan V.	Juan V. (PCL)	7/29/21	13:20
Received by:			
Relinquished by:			
Received in lab by: Abdul Jr.	JUL 29 2021		1320

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0701

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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	7/30/21	11:47	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JUL 30 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mark Ayuso (IPC)	7/30/21	11:52
Received by		Richard Martinez PA	7/30/21	1320
Relinquished by		Richard Martinez PA	7/30/21	1530
Received by				
Relinquished by				
Received in lab by		JUL 30 2021		1530

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.

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.#: 210715

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	7/31/21	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 Avalos	Jesus Avalos (IPC)	7/31/21	10:55
Received by	Richard Martinez PL	7/31/21	1100
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez	7/31/21	1200

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0003

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/1/21	955	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	"	"							

RECEIVED
AUG 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	8/1/21	10:00
Received by		Juan V. (PCL)	8/1/21	10:00
Relinquished by		Juan V. (PCL)	8/1/21	11:39
Received by				
Relinquished by				
Received in lab by		AUG 01 2021		11:39

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 05-Aug-21 14:58
Subject: (MCC) Weekly INF

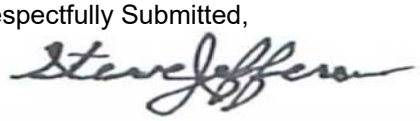
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21G0660-01) Collected: 27-Jul-21 By KV							
Physical Properties							
Total Suspended Solids	SM2540D	AG12927	1	29-Jul-21	30-Jul-21	**260 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG12920	2	29-Jul-21	03-Aug-21	**439 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160660

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
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
INF	7/27/21	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	7/27/21	2359	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
JUL 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	7/28/21	1215
Received by		Juan Vazquez (PCL)	7/28/21	12:16
Relinquished by		Juan V. (PCL)	7/28/21	13:18
Received by				
Relinquished by				
Received in lab by		JUL 28 2021		1318

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 05-Aug-21 16:01
Subject: (MCC) Weekly EFF

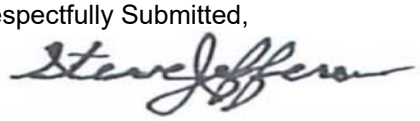
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0661-01) Collected: 28-Jul-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AG12927	1	29-Jul-21	30-Jul-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH10223	0.10	02-Aug-21	02-Aug-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AG13005	0.05	30-Jul-21	30-Jul-21	**0.63 mg/l**	
Nitrite as N	EPA 353.2	AG13005	0.05	30-Jul-21	30-Jul-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH10429	0.10	04-Aug-21	05-Aug-21	**1.31 mg/l**	
EFF (Sample I.D.# : 21G0661-02) Collected: 27-Jul-21 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AG12920	2	29-Jul-21	03-Aug-21	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21G0661

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Weekly 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	7/28/21	1200	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	7/28/21	1200	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	7/28/21	1200	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	7/27/21	2359	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JUL 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	7/28/21	1215
Received by		Juan Vasquez (PCL)	7/28/21	12:20
Relinquished by		Juan V (PCL)	7/28/21	13:18
Received by				
Relinquished by				
Received for Lab by		JUL 28 2021		1318

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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

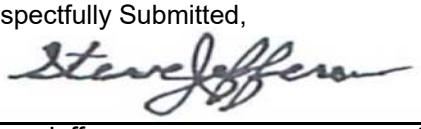
Attention: Ric Vardel
Report Date: 21-Sep-21 16:30
Subject: (MCC) Quarterly EFF

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

EFF (Sample I.D.# : 21G0700-01) Collected: 30-Jul-21 By MA of IPC

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
Physical Properties							
Total Alkalinity	SM 2320B	AH10333	1	03-Aug-21	03-Aug-21	**172 mg/l**	
Carbonate Alkalinity	SM 2320B	AH10333	1	03-Aug-21	03-Aug-21	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AH10333	1	03-Aug-21	03-Aug-21	**172 mg/l**	
Hydroxide Alkalinity	SM 2320B	AH10333	1	03-Aug-21	03-Aug-21	**<1 mg/l**	
Color	SM 2120 C	AH10222	5.0	02-Aug-21	02-Aug-21	**21.6 CU**	
Specific Conductance (EC)	SM 2510B	AH10329	0.1	03-Aug-21	03-Aug-21	**1420 uS/cm**	
Odor	SM 2150B	AH12350	1	30-Jul-21	30-Jul-21	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**<0.2 ug/l**	
Aluminum	EPA 200.8	AH10218	5.0	02-Aug-21	03-Aug-21	**29 ug/l**	
Fluoride	EPA 300.0	AH10234	0.10	02-Aug-21	02-Aug-21	**1.50 mg/l**	
Arsenic	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**1.9 ug/l**	
Barium	EPA 200.8	AH10218	0.5	02-Aug-21	03-Aug-21	**30 ug/l**	
Beryllium	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**<0.2 ug/l**	
Calcium	EPA 200.7	AH10219	0.10	02-Aug-21	05-Aug-21	**61.2 mg/l**	
Cadmium	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**2.6 ug/l**	
Copper	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**1.5 ug/l**	
Cyanide (total)	SM 4500-CN-E	AH10527	0.0040	05-Aug-21	05-Aug-21	**0.0110 mg/l**	
Iron	EPA 200.7	AH10219	0.02	02-Aug-21	05-Aug-21	**0.03 mg/l**	
Mercury	EPA 245.1	AH10419	0.20	04-Aug-21	04-Aug-21	**<0.20 ug/l**	
Magnesium	EPA 200.7	AH10219	0.10	02-Aug-21	05-Aug-21	**26.7 mg/l**	
Manganese	EPA 200.8	AH10218	0.5	02-Aug-21	03-Aug-21	**19 ug/l**	
Nickel	EPA 200.8	AH10218	0.5	02-Aug-21	03-Aug-21	**4.8 ug/l**	
Lead	EPA 200.8	AH10218	0.2	02-Aug-21	03-Aug-21	**<0.2 ug/l**	
pH	SM 4500H-B	AH10221	0.1	30-Jul-21	02-Aug-21	**7.6 pH Units**	A-01

Respectfully Submitted,



Steve Jefferson 9/21/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:30
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0700-01) Collected: 30-Jul-21 By MA of IPC							
Inorganic Constituents							
Antimony	EPA 200.8	AH10218	1.0	02-Aug-21	03-Aug-21	**1.7 ug/l**	
Selenium	EPA 200.8	AH10218	2.0	02-Aug-21	03-Aug-21	**<2.0 ug/l**	
Thallium	EPA 200.8	AH10218	1.0	02-Aug-21	03-Aug-21	**<1.0 ug/l**	
Uranium	EPA 200.8	AH10218	0.7	02-Aug-21	03-Aug-21	**0.7 pCi/L**	
Zinc	EPA 200.8	AH10218	1.0	02-Aug-21	03-Aug-21	**17 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AH10128	0.20	01-Aug-21	01-Aug-21	**<0.20 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Styrene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	

Respectfully Submitted,

Steve Jefferson 9/21/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:30
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0700-01) Collected: 30-Jul-21 By MA of IPC							
Volatile Organic Chemicals (VOCs)							
Tetrachloroethylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Toluene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**4.4 ug/l**	
Bromoform	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Chloroform	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**22.4 ug/l**	
Dibromochloromethane	EPA 524.2	AH10424	0.5	04-Aug-21	04-Aug-21	**<0.5 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AH10424		04-Aug-21	04-Aug-21	*84.2 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AH10424		04-Aug-21	04-Aug-21	*97.1 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AH10424		04-Aug-21	04-Aug-21	*95.0 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AH10220	1.00	02-Aug-21	02-Aug-21	**2.09 ug/l**	
Dichloroacetic Acid	EPA 552.2	AH10220	1.00	02-Aug-21	02-Aug-21	**8.27 ug/l**	
Trichloroacetic Acid	EPA 552.2	AH10220	1.00	02-Aug-21	02-Aug-21	**3.42 ug/l**	
Monobromoacetic Acid	EPA 552.2	AH10220	1.00	02-Aug-21	02-Aug-21	**<1.00 ug/l**	
Dibromoacetic Acid	EPA 552.2	AH10220	1.00	02-Aug-21	02-Aug-21	**<1.00 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AH10220		02-Aug-21	02-Aug-21	*61.4 % (60-140)*	
Bromate	EPA 300.1	AH10338	5.0	03-Aug-21	03-Aug-21	**22.1 ug/l**	
Chlorite	EPA 300.1	AH10338	20.0	03-Aug-21	03-Aug-21	**27.2 ug/l**	

Respectfully Submitted,



Steve Jefferson 9/21/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:30
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0700-01) Collected: 30-Jul-21 By MA of IPC							
Disinfection Byproducts							
Haloacetic Acids (HAA5)	[CALC]	[CALC]	1.00	04-Aug-21	02-Aug-21	**14.7 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	04-Aug-21	04-Aug-21	**27.3 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AH11752	0.010	13-Aug-21	16-Aug-21	**<0.010 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AH11752	0.020	13-Aug-21	16-Aug-21	**<0.020 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AH10428	2.0	04-Aug-21	06-Aug-21	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AH10428	2.0	04-Aug-21	06-Aug-21	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AH10428		04-Aug-21	06-Aug-21	*90.4 % (50-120)*	
Alachlor	EPA 507	AH10427	0.2	04-Aug-21	11-Aug-21	**<0.2 ug/l**	
Atrazine	EPA 507	AH10427	0.2	04-Aug-21	11-Aug-21	**<0.2 ug/l**	
Molinate	EPA 507	AH10427	0.2	04-Aug-21	11-Aug-21	**<0.2 ug/l**	
Simazine	EPA 507	AH10427	0.2	04-Aug-21	11-Aug-21	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AH10427	0.2	04-Aug-21	11-Aug-21	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AH10427		04-Aug-21	11-Aug-21	*48.6 % (40-120)*	
Chlordane	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Endrin	EPA 508	AH10614	0.01	06-Aug-21	21-Aug-21	**<0.01 ug/l**	
Heptachlor	EPA 508	AH10614	0.01	06-Aug-21	21-Aug-21	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AH10614	0.01	06-Aug-21	21-Aug-21	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AH10614	0.01	06-Aug-21	21-Aug-21	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AH10614	0.01	06-Aug-21	21-Aug-21	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AH10614	0.01	06-Aug-21	21-Aug-21	**<0.01 ug/l**	
Methoxychlor	EPA 508	AH10614	0.05	06-Aug-21	21-Aug-21	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	

Respectfully Submitted,



Steve Jefferson 9/21/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:30
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21G0700-01) Collected: 30-Jul-21 By MA of IPC							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1248 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Total PCBs	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Toxaphene	EPA 508	AH10614	0.1	06-Aug-21	21-Aug-21	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AH10614		06-Aug-21	21-Aug-21	*52.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AH10614		06-Aug-21	21-Aug-21	*57.5 % (50-120)*	
Bentazon	EPA 515.1	AH10332	1.0	03-Aug-21	11-Aug-21	**<1.0 ug/l**	
2,4-D	EPA 515.1	AH10332	1.0	03-Aug-21	11-Aug-21	**<1.0 ug/l**	
Dalapon	EPA 515.1	AH10332	5.0	03-Aug-21	11-Aug-21	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AH10332	1.0	03-Aug-21	11-Aug-21	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AH10332	0.1	03-Aug-21	11-Aug-21	**<0.1 ug/l**	
Picloram	EPA 515.1	AH10332	1.0	03-Aug-21	11-Aug-21	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AH10332	0.2	03-Aug-21	11-Aug-21	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AH10332		03-Aug-21	11-Aug-21	*84.4 % (60-140)*	
Benzo (a) pyrene	EPA 550	AH10224	0.05	02-Aug-21	09-Aug-21	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AH10224		02-Aug-21	09-Aug-21	*72.6 % (45-120)*	
Carbofuran	EPA 8321A	AH10613	1.0	06-Aug-21	16-Aug-21	**<1.0 ug/l**	
Oxamyl	EPA 8321A	AH10613	2.0	06-Aug-21	16-Aug-21	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 8321A	AH10613		06-Aug-21	16-Aug-21	*73.5 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 9/21/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:30
Subject: (MCC) Quarterly EFF

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

Notes and Definitions

A-01 Langelier Index = -0.3 (Non-Corrosive)

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

Respectfully Submitted,

Steve Jefferson 9/21/2021
Laboratory Director

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

LA Testing Order ID: 322113967
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: 08/02/2021
Analyzed: 08/11/2021

Proj: 21G0700

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)		
21G0700-01 322113967-0001	8/3/2021 09:50 AM	30	1288	0.2227	≥ 0.5 µm	None Detected	ND	0.19	<0.19	0.00 - 0.71
					> 10 µm only	None Detected	ND	0.19	<0.19	0.00 - 0.71

Collection Date/Time: *07/30/2021 11:20 AM*

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Kyeong Corbin (1)

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

Any questions please contact Jerry Drapala.

Initial report from: 08/11/2021 14:24:37

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

SUBCONTRACT ORDER

Pat-Chem Laboratories

21G0700 #322113967

SENDING LABORATORY:

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

RECEIVING LABORATORY:

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

Analysis		Due	Expires	Laboratory ID	Comments
Sample ID: 21G0700-01	WASTE Water	**Sampled: 30-Jul-21 11:20**			**Wastewater/IPC [MCC] EFF-Quarterly**
Asbestos Water		16-Aug-21 12:00	26-Jan-22 11:20		
Containers Supplied:					

14.3°c

Released By	Date	Received By	Date
Alexander Jr.	AUG 02 2021	Arrenrack CWDR	8/02/2021 1530
Released By	Date	Received By	Date

Page 1 of 1

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	1H13065
Project:	21G0700
Attn:	Steven Jefferson
Client:	Pat-Chem Laboratories, Inc. 1824 1st Street San Fernando, CA 91340

Report Date:	9/17/2021
Received Date:	8/13/2021
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 • Guam-EPA #17-008R • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • 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 Steven Jefferson,

Enclosed are the results of analyses for samples received 8/13/21 with the Chain-of-Custody document. The samples were received in good condition, at 10.8 °C. 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: 21G0700

Project Manager: Steven Jefferson

Reported:
09/17/2021 10:17

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
21G0700-01	Client	1H13065-01	Water	08/13/21 06:45	

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: 21G0700

Project Manager: Steven Jefferson

Reported:
09/17/2021 10:17

Sample Results

Sample: 21G0700-01
1H13065-01 (Water)

Sampled: 08/13/21 6:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W1H1229 **Preparation:** EPA 549.2/SPE		**Prepared:** 08/18/21 10:37				**Analyst:** PJS
Diquat	ND	4.0	ug/l	1	08/25/21	A-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: 21G0700

Project Manager: Steven Jefferson

Reported:
09/17/2021 10:17

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: W1H1229 - EPA 549.2										
Blank (W1H1229-BLK1)				**Prepared: 08/18/21**	**Analyzed: 08/25/21**					
Diquat	ND	4.0	ug/l							
LCS (W1H1229-BS1)				**Prepared: 08/18/21**	**Analyzed: 08/25/21**					
Diquat	14.8	4.0	ug/l	20.0		74	70-130			
Matrix Spike (W1H1229-MS1)	**Source: 1H13040-01**			**Prepared: 08/18/21**	**Analyzed: 08/25/21**					
Diquat	16.1	4.0	ug/l	20.0	ND	81	46-122			
Matrix Spike Dup (W1H1229-MSD1)	**Source: 1H13040-01**			**Prepared: 08/18/21**	**Analyzed: 08/25/21**					
Diquat	7.86	4.0	ug/l	20.0	ND	39	46-122	69	30	MS-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: 21G0700

Project Manager: Steven Jefferson

Reported:
09/17/2021 10:17

Notes and Definitions

Item	Definition
A-01	Sample was received in the incorrect container.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
%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

August 31, 2021

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

Lab ID : SP 2110491
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
21G0700-01	07/30/2021	08/03/2021	SP 2110491-001	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	08/30/2021:213467 All analysis quality controls are within established criteria.
	08/10/2021:209108 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
903.0	08/27/2021:213322 All analysis quality controls are within established criteria.
	08/22/2021:209386 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	08/09/2021:212231 All analysis quality controls are within established criteria.
	08/06/2021:208935 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
Ra - 05	08/22/2021:213068 All analysis quality controls are within established criteria.
	08/16/2021:208997 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

August 31, 2021 Lab ID : SP 2110491
Pat-Chem Laboratories Customer : 2-12670

Inorganic - Wet Chemistry QC

314.0	08/12/2021:212471 All analysis quality controls are within established criteria, except: The following note applies to Perchlorate: 360 CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.
	08/11/2021:209257 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Perchlorate: 310 LCS above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

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: 2021-08-31

August 31, 2021

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

Description : 21G0700-01
Project : 21G0700

Lab ID : SP 2110491-001
Customer ID : 2-12670

Sampled On : July 30, 2021-11:20
Sampled By : Not Available
Received On : August 3, 2021-14:46
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	08/11/21:209257	314.0	08/12/21:212471

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

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 31, 2021

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

Description : 21G0700-01
Project : 21G0700

Lab ID : SP 2110491-001
Customer ID : 2-12670

Sampled On : July 30, 2021-11:20
Sampled By : Not Available
Received On : August 3, 2021-14:46
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	4.49 ± 1.11	1.49	pCi/L	15/5	900.0	08/10/21-08:45 2P2109108	900.0	08/30/21-12:15 2A2113467
Gross Beta	3.18 ± 0.951	1.17	pCi/L	50	900.0	08/10/21-08:45 2P2109108	900.0	08/30/21-12:15 2A2113467
Total Alpha Radium (226)	0.406 ± 0.208	0.410	pCi/L		903.0	08/22/21-10:00 2P2109386	903.0	08/27/21-06:59 2A2113322
Tritium	216 ± 272	434	pCi/L	20000	906.0	08/06/21-08:00 2P2108935	906.0	08/09/21-14:17 2A2112231
Ra 228	0.000 ± 0.536	0.643	pCi/L		Ra - 05	08/16/21-19:00 2P2108997	Ra - 05	08/22/21-11:30 2A2113068

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

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

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

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

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

August 31, 2021 Lab ID : SP 2110491
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	08/11/21:209257MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	116 %	85-115	330
			MS	ug/L	25.00	113 %	80-120	
		(SP 2110120-001)	MSD	ug/L	25.00	109 %	80-120	
			MSRPD	ug/L	25.00	3.9%	≤15	
	314.0	08/12/21:212471MCA	CCB	ppb		0.00	4	
			CCV	ppb	20.00	120 %	85-115	360
			CCB	ppb		0.00	4	
			CCV	ppb	10.00	119 %	85-115	360

Definition

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

Explanation

330	: The LCS was out of acceptance limits. Results may be biased high.
360	: CCV above Acceptance Range (AR). Samples which were non detect for this analyte were accepted.

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 31, 2021 Lab ID : SP 2110491
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	08/30/21:213467JCA	CCV	cpm	7357	42.2 %	35-47	
			CCB	cpm		0.100	0.15	
Beta	900.0	08/30/21:213467JCA	CCV	cpm	7357	94.5 %	83-94	
			CCB	cpm		0.460	0.5	
Gross Alpha	900.0	08/10/21:209108jca	Blank	pCi/L		0.34	3	
			LCS	pCi/L	201.1	75.0 %	75-125	
			BS	pCi/L	201.1	64.1 %	60-140	
			BSD	pCi/L	201.1	62.8 %	60-140	
			BSRPD	pCi/L	201.1	2.1%	≤30	
Gross Beta	900.0	08/10/21:209108jca	Blank	pCi/L		-0.17	4	
			LCS	pCi/L	35.31	114 %	84-160	
			BS	pCi/L	35.31	99.5 %	80-130	
			BSD	pCi/L	35.31	98.9 %	80-130	
			BSRPD	pCi/L	201.1	0.7%	≤30	
Alpha	903.0	08/27/21:213322JCA	CCV	cpm	7689	40.9 %	37-46	
			CCB	cpm		0.100	0.17	
Total Alpha Radium (226)	903.0	08/22/21:209386emv	RgBlk	pCi/L		-7.E-10	2	
			LCS	pCi/L	23.31	78.4 %	52-107	
			BS	pCi/L	23.31	76.2 %	43-111	
			BSD	pCi/L	23.31	76.4 %	43-111	
			BSRPD	pCi/L	23.31	0.3%	≤35.5	
Tritium	906.0	08/06/21:208935jca	Blank	pCi/L		40	300	
			LCS	pCi/L	1572	102 %	75-125	
			BS	pCi/L	1572	97.8 %	75-125	
			BSD	pCi/L	1572	97.7 %	75-125	
			BSRPD	pCi/L	1572	0.1%	≤25	
	906.0	08/09/21:212231JCA	CCV	pCi/L	22900	104 %	90-110	
			CCB	pCi/L		154	500	
Beta	Ra - 05	08/22/21:213068emv	CCV	cpm	7693	91.8 %	84-94	
			CCB	cpm		0.400	0.5	
Ra 228	Ra - 05	08/16/21:208997emv	RgBlk	pCi/L		-0.27	3	
			LRS	pCi/L	14.58	78.0 %	65-108	
			BS	pCi/L	14.58	95.7 %	75-125	
			BSD	pCi/L	14.58	104 %	75-125	
			BSRPD	pCi/L	14.58	1.2	≤3	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
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.

August 25, 2021

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

Subject: Subcontract Analysis for FGL Lab No. SP 2110491

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 Pace Analytical (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2021-08-25

Enclosure

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

August 24, 2021

Cindy Aguirre
FGL Environmental, Inc.
853 Corporation St.
Santa Paula, CA 930603005

RE: Project: SP 2110491
Pace Project No.: 30434537

Dear Cindy Aguirre:

Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2021. 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

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: SP 2110491
Pace Project No.: 30434537

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 9526
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

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: SP 2110491
Pace Project No.: 30434537

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30434537001	**21G0700-01**	Water	07/30/21 11:20	08/05/21 08:55

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: SP 2110491
Pace Project No.: 30434537

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30434537001	**21G0700-01**	EPA 905.0	JJY	1

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: SP 2110491
Pace Project No.: 30434537

Sample: 21G0700-01 **Lab ID: 30434537001** Collected: 07/30/21 11:20 Received: 08/05/21 08:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Strontium-90	EPA 905.0	**-0.199 ± 0.648 (1.55) C:101% T:NA**	pCi/L	08/19/21 07:45	10098-97-2	

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: SP 2110491
Pace Project No.: 30434537

QC Batch: 459544
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: 30434537001

METHOD BLANK: 2218753 Matrix: Water
Associated Lab Samples: 30434537001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	0.0440 ± 0.134 (0.302) C:100% T:NA	pCi/L	08/19/21 07:45	

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: SP 2110491
Pace Project No.: 30434537

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to Pace 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 2110491**
Purchase Order:

Sampler(s): Not Available

Compositor Setup Date: Time:

WO# : 30434537

30434537

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 Quote COC20200923JRH-1 250 ml(AGT) 32 oz pHM3	Test Description(s)
1	21G0700-01	07/30/2021	11:20	G	WW				1	CU1

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
	8/4/21	17:30						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
GLS	2	2		8/5/21	0855			

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

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Fruit Growers Project #

Courier: ☐ Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Label #

LIMS Login

Tracking #: 1Z 992 031 13 6036 0729

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# 10100411 Date and Initials of person examining contents: AE 8/16/21

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.
All containers meet method preservation requirements.	☑			Initial when completed: AE 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: AE Date: 8/16/21 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.

30434537

SUBCONTRACT ORDER

Pat-Chem Laboratories

21G0700

2118491

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: 21G0700-01 WASTE Water	**Sampled: 30-Jul-21 11:20**			**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub)	16-Aug-21 12:00	01-Aug-21 11:20		
Sr-90 (Strontium 90) (Sub)	16-Aug-21 12:00	26-Jan-22 11:20		
Radium 226 228 (Sub)	16-Aug-21 12:00	26-Jan-22 11:20		
Perchlorate 314.0 (Sub)	16-Aug-21 12:00	27-Aug-21 11:20		
Gross beta SUB	16-Aug-21 12:00	26-Jan-22 11:20		
Gross alpha SUB	16-Aug-21 12:00	26-Jan-22 11:20		
Containers Supplied:				

AUG 0 3 2021

Released By	Date	Received By	Date
	8/3/21		8/3/21 14:40
Released By	Date	Received By	Date

5°C

FGL ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to Pace 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 2110491**
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	Quote COC20200923JRH-1 ~~250 ml(AGT)~~ 32 oz. ρ HNO3								
1	21G0700-01	07/30/2021	11:20	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

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

August 19, 2021 Ceres ID: 14540

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 11, 2021. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

This work was authorized under Pat-Chem Laboratories' Project # 21G0700.

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
14540-001	21G0700-01	8/11/2021	7/30/2021	11:20

Section II: Data Summary

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

EPA Method 1613B

Quality Assurance Sample **Method Blank**	**QC Batch #:** 2442	**Date Received:** NA
	Matrix: Waste Water	**Date Extracted:** 8/16/2021
Project ID: 21G0700	**Sample Size:** 1.000 L	**Date Analyzed:** 8/19/2021

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 4.06	0.772	5.00		13C-2378-TCDD	76.1	31-137	
					CRS			
					37Cl4-2378-TCDD	87.0	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 #: 2442	**Date Extracted:** 8/16/2021
	Matrix: Waste Water	**Date Analyzed:** 8/19/2021
Project ID: 21G0700	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	12.0	7.3-14.6	13C-2378-TCDD	88.6	25-141
			CRS		
			37Cl4-2378-TCDD	116	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: 21G0700-01		
Project ID: 21G0700	**Ceres Sample ID:** 14540-001	**Date Received:** 8/11/2021
	QC Batch #: 2442	**Date Extracted:** 8/16/2021
Date Collected: 7/30/2021	**Matrix:** Waste Water	**Date Analyzed:** 8/19/2021
Time Collected: 11:20	**Sample Size:** 0.958 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 2.55	0.772	5.22		13C-2378-TCDD	96.1	31-137	
					CRS			
					37Cl4-2378-TCDD	116	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

21G0700

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: 21G0700-01 **Water**	**Sampled: 30-Jul-21 11:20**			**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Sub)	16-Aug-21 12:00	06-Aug-21 11:20		
Containers Supplied:				

Released By	Date	Received By	Date
	AUG 09 2021		8/11/21
Released By	Date	Received By	Date

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 1H05091

Project: 21G0700

Attn: Steven Jefferson

Client: Pat-Chem Laboratories, Inc.
1824 1st Street
San Fernando, CA 91340

Report Date: 8/31/2021

Received Date: 8/5/2021

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 • Guam-EPA #17-008R • HW-DOH #4047 • ISO17025 ANAB #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • 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 Steven Jefferson,

Enclosed are the results of analyses for samples received 8/05/21 with the Chain-of-Custody document. The samples were received in good condition, at 7.6 °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: 21G0700

Project Manager: Steven Jefferson

Reported:
08/31/2021 14:36

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
21G0700-01	Client	1H05091-01	Water	07/30/21 11:20	

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: 21G0700

Project Manager: Steven Jefferson

Reported:
08/31/2021 14:36

Sample Results

Sample: 21G0700-01
1H05091-01 (Water)

Sampled: 07/30/21 11:20 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W1H0436 **Preparation:** EPA 548.1/SPE		**Prepared:** 08/06/21 14:12				**Analyst:** rmr
Endothall	ND	45	ug/l	1	08/11/21	U-01

Sample Results

Sample: 21G0700-01
1H05091-01RE1 (Water)

Sampled: 07/30/21 11:20 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W1H0362 **Preparation:** _NONE (LC)		**Prepared:** 08/09/21 11:59				**Analyst:** pjs
Glyphosate	ND	25	ug/l	5	08/10/21	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: 21G0700

Project Manager: Steven Jefferson

Reported:
08/31/2021 14:36

Quality Control Results

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H0436 - EPA 548.1										
Blank (W1H0436-BLK1)				**Prepared: 08/06/21**	**Analyzed: 08/11/21**					
Endothall	ND	45	ug/l							
LCS (W1H0436-BS1)				**Prepared: 08/06/21**	**Analyzed: 08/11/21**					
Endothall	109	45	ug/l	100		109	31-117			
Matrix Spike (W1H0436-MS1)	**Source: 1H05091-01**			**Prepared: 08/06/21**	**Analyzed: 08/11/21**					
Endothall	12.1	45	ug/l	100	ND	12	0.1-109			
Matrix Spike Dup (W1H0436-MSD1)	**Source: 1H05091-01**			**Prepared: 08/06/21**	**Analyzed: 08/11/21**					
Endothall	15.6	45	ug/l	100	ND	16	0.1-109	25	30	

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H0362 - EPA 547										
Blank (W1H0362-BLK1)				**Prepared & Analyzed: 08/09/21**						
Glyphosate	ND	5.0	ug/l							
LCS (W1H0362-BS1)				**Prepared & Analyzed: 08/09/21**						
Glyphosate	25.6	5.0	ug/l	25.0		102	70-130			
Matrix Spike (W1H0362-MS1)	**Source: 1H03031-02**			**Prepared & Analyzed: 08/09/21**						
Glyphosate	22.0	5.0	ug/l	25.0	ND	88	41-149			
Matrix Spike (W1H0362-MS2)	**Source: 1H04049-03**			**Prepared & Analyzed: 08/09/21**						
Glyphosate	21.6	5.0	ug/l	25.0	ND	87	41-149			
Matrix Spike Dup (W1H0362-MSD1)	**Source: 1H03031-02**			**Prepared & Analyzed: 08/09/21**						
Glyphosate	25.8	5.0	ug/l	25.0	ND	103	41-149	16	30	
Matrix Spike Dup (W1H0362-MSD2)	**Source: 1H04049-03**			**Prepared & Analyzed: 08/09/21**						
Glyphosate	22.5	5.0	ug/l	25.0	ND	90	41-149	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: 21G0700

Project Manager: Steven Jefferson

Reported:
08/31/2021 14:36

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.
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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2160700

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Quarterly	Page 1 of 2
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Mario Aguirre		P.O. #:
	Report Attention: Ric Vardel / Golan Kfir		Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	7/30/21	11:20	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8-TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JUL 30 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	7/30/21	11:50
Received by		Richard Martinez (PCL)	7/30/21	1320
Relinquished by		Richard Martinez (PCL)	7/30/21	1530
Received by				
Relinquished by				
Received final by		JUL 30 2021		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) Comp	(AQ) - Water SO - Soil / Sludge OT - Other	(P) - Plastic (G) - Amber Glass (VOA) - 40 ml Vial Coli - bacteria

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

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

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

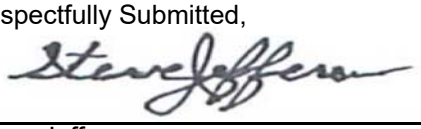
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 11-Aug-21 14:46
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0019-01) Collected: 02-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10226	1.8	02-Aug-21	04-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10226	1.8	02-Aug-21	04-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10937	0.1	02-Aug-21	02-Aug-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10337	0.05	03-Aug-21	03-Aug-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21H0049-01) Collected: 03-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10330	1.8	03-Aug-21	06-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10330	1.8	03-Aug-21	06-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH10937	0.1	03-Aug-21	03-Aug-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10436	0.05	04-Aug-21	04-Aug-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21H0092-01) Collected: 04-Aug-21 By KV							
Microbiological							
Fecal Coliforms	SM 9221E	AH10426	1.8	04-Aug-21	06-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10426	1.8	04-Aug-21	06-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	04-Aug-21	04-Aug-21	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10436	0.05	04-Aug-21	04-Aug-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21H0121-01) Collected: 05-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10529	1.8	05-Aug-21	07-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10529	1.8	05-Aug-21	07-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	05-Aug-21	05-Aug-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10538	0.05	05-Aug-21	05-Aug-21	**0.07 mg/l**	

Respectfully Submitted,



Steve Jefferson 8/11/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 11-Aug-21 14:46
Subject: (MCC) Daily EFF

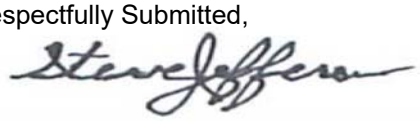
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0160-01) Collected: 06-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10611	1.8	06-Aug-21	08-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10611	1.8	06-Aug-21	08-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	06-Aug-21	06-Aug-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10936	0.05	09-Aug-21	09-Aug-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21H0173-01) Collected: 07-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10707	1.8	07-Aug-21	09-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10707	1.8	07-Aug-21	09-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	07-Aug-21	07-Aug-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10936	0.05	09-Aug-21	09-Aug-21	**0.07 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/11/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0019

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	8/2/21	11:04	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
AUG 02 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IR)	8/2/21	11:08
Received by		MARIO SANTIESTEBAN	8/2/21	1515
Relinquished by		MARIO SANTIESTEBAN	8/2/21	1650
Received by				
Relinquished by				
Received in lab by		AUG 02 2021		1650

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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.#: 21H0049

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project: (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field / Lab
EFF	8/3/21	11:21	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.8 / 23.4°C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	8/3/21	11.24
Received by		Cindy Meyang	8-3-21	11:35
Relinquished by		Cindy M	8-3-21	13:10
Received by				
Relinquished by				
Received in lab by		AUG 03 2021		13:10

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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.#: 2110092

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618

Project : (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/4/21	1220	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	8/4/21	1220	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 04 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	8/4/21	1230
Received by		Cindy M	8.4.21	1255
Relinquished by		Cindy M	8.4.21	1420
Received by				
Relinquished by				
Received in lab by		AUG 04 2021		1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0121

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: Marc 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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/5/21	11:32	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.51 / 25.3 C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 05 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name - (Company)	Date	Time
Relinquished by		Marc Aguirre (IPC)	8/5/21	11:38
Received by		Cindy Martinez	8-5-21	11:40
Relinquished by		Cindy Martinez	8-5-21	1320
Received by				
Relinquished by				
Received in lab by			AUG 05 2021	1320

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	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.#: 21H0160

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 #: 949-387-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/6/21	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
AUG 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	8/6/21	11:09
Received by		Richard Martinez PCL	8/6/21	1230
Relinquished by		Richard Martinez PCL	8/6/21	1515
Received by				
Relinquished by				
Received in lab by		AUG 06 2021		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
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0173

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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/7/21	10:45	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)	8/7/21	10:50
Received by	Richard Matthes PCL	8/7/21	1052
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Matthes PCL	8/7/21	1150

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 11-Aug-21 15:07
Subject: (MCC) Weekly INF

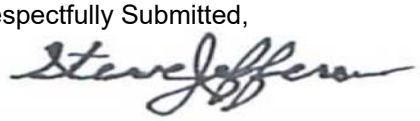
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21H0096-01) Collected: 03-Aug-21 By KV							
Physical Properties							
Total Suspended Solids	SM2540D	AH10533	1	05-Aug-21	06-Aug-21	**235 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH10531	2	05-Aug-21	10-Aug-21	**73 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/11/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H00496

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
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
INF	8/3/21	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.9/23.6
	8/3/21	2359	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 04 2021
By

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	8/4/21	1230
Received by		Cindy Monroe	8-4-21	1255
Relinquished by		Cindy Monroe	8.4.21	14:20
Received by				
Relinquished by				
Received in lab by		AUG 04 2021		1420

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 11-Aug-21 14:51
Subject: (MCC) Monthly EFF

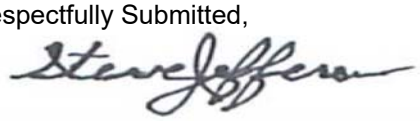
Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0094-01) Collected: 04-Aug-21 By KV							
Physical Properties							
Total Dissolved Solids	SM 2540C	AH10528	5	05-Aug-21	08-Aug-21	**812 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AH10615	20.0	06-Aug-21	09-Aug-21	**192 mg/l**	
Sulfate as SO4	EPA 300.0	AH10615	10.0	06-Aug-21	09-Aug-21	**223 mg/l**	
Boron	EPA 200.7	AH10524	0.10	05-Aug-21	10-Aug-21	**0.28 mg/l**	
Phosphorus, Total as P	EPA 365.3	AH10537	0.05	05-Aug-21	05-Aug-21	**0.27 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AH10437	0.20	04-Aug-21	04-Aug-21	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AH10526	5	05-Aug-21	06-Aug-21	**<5 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/11/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: ZI H0094

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) EFF - Monthly	
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	8/4/21	1220	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.6/25.7
	8/4/21	1220	1	MBAS	Grab	AQ	500 P	4°C	
	8/4/21	1220	1	Oil & Grease	Grab	AQ	1L G	HC	
	8/4/21	1220	1	Boron	Grab	AQ	250 P	HN	
	8/4/21	1220	1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

RECEIVED
AUG 04 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	8/4/21	1230
Received by	Cindy M.	8.4.21	1255
Relinquished by	Cindy M	8.4.21	1420
Received by			
Relinquished by			
Received in lab by	AUG 04 2021		1420

Sample Received Checklist

Temperature upon receipt: 4° C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 11-Aug-21 15:05
Subject: (MCC) Weekly EFF

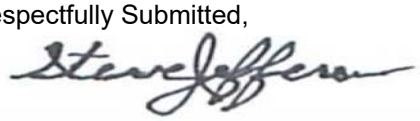
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0095-01) Collected: 04-Aug-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH10533	1	05-Aug-21	06-Aug-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH10608	0.10	06-Aug-21	06-Aug-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH10536	0.05	05-Aug-21	05-Aug-21	**0.25 mg/l**	
Nitrite as N	EPA 353.2	AH10536	0.05	05-Aug-21	05-Aug-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH10607	0.10	06-Aug-21	06-Aug-21	**0.76 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH10531	2	05-Aug-21	10-Aug-21	**6 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/11/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0095

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Weekly 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	8/4/21	1220	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	8.1 / 26.1
	8/4/21	1220	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	8/4/21	1220	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	8/3/21	2359	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 04 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	8/4/21	1230
Received by		Cindy M	8-4-21	1255
Relinquished by		Cindy M	8-4-21	1420
Received by				
Relinquished by				
Received in lab by		AUG 04 2021		1420

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

Rev 2 Effective 5/1/17

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

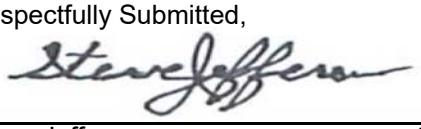
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 18-Aug-21 14:16
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0174-01) Collected: 08-Aug-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH10823	1.8	08-Aug-21	12-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10823	1.8	08-Aug-21	12-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	08-Aug-21	08-Aug-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH10936	0.05	09-Aug-21	09-Aug-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21H0193-01) Collected: 09-Aug-21 By CM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AH10932	1.8	09-Aug-21	13-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH10932	1.8	09-Aug-21	13-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	09-Aug-21	09-Aug-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11045	0.05	10-Aug-21	10-Aug-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21H0211-01) Collected: 10-Aug-21 By CM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AH11052	1.8	10-Aug-21	13-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11052	1.8	10-Aug-21	13-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11122	0.1	10-Aug-21	10-Aug-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11125	0.05	11-Aug-21	11-Aug-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21H0240-01) Collected: 11-Aug-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11129	1.8	11-Aug-21	13-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11129	1.8	11-Aug-21	13-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	11-Aug-21	11-Aug-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11229	0.05	12-Aug-21	12-Aug-21	**0.06 mg/l**	

Respectfully Submitted,



Steve Jefferson 8/18/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 18-Aug-21 14:16
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0274-01) Collected: 12-Aug-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11237	1.8	12-Aug-21	16-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11237	1.8	12-Aug-21	16-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	12-Aug-21	12-Aug-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11646	0.05	16-Aug-21	16-Aug-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21H0309-01) Collected: 13-Aug-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11343	1.8	13-Aug-21	15-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11343	1.8	13-Aug-21	15-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	13-Aug-21	13-Aug-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11646	0.05	16-Aug-21	16-Aug-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21H0324-01) Collected: 14-Aug-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11420	1.8	14-Aug-21	16-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11420	1.8	14-Aug-21	16-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	14-Aug-21	14-Aug-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11646	0.05	16-Aug-21	16-Aug-21	**0.14 mg/l**	

Respectfully Submitted,

Steve Jefferson 8/18/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 18-Aug-21 14:16
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,

Steve Jefferson 8/18/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0174

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	Preserv	Field Data (pH / Temperature) pH: Field Lab
EFF	8/8/21	10 10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3 / 26.6
	8/8/21	10 10	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	8/8/21	10:15
Received by	Juan Vasquez (PCL)	8/8/21	10:13
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	8/8/21	11:07

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples 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.#: 21H0193

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project: (MCC) Daily EFF
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	8/9/21	12:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/26.2 C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 09 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	8/9/21	1330
Received by	Cindy Mapp	8-9-21	13:30
Relinquished by	Cindy Mapp	8-9-21	14:25
Received by			
Relinquished by			
Received in lab by	AUG 09 2021		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	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.#: 21h0211

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) Daily EFF
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	8/10/21	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 24.1
	8/10/21	1105	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	8/10/21	1110
Received by		Cindy Murphy	8-10-21	1235
Relinquished by		Cindy Murphy	8-10-21	1325
Received by				
Relinquished by				
Received in lab by		AUG 10 2021		1325

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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.#: 21T0240

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	08/11/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7/24 C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 11 2021
By

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SBC)	08/11/21	1155
Received by		Cindy Mathews	8/11/21	12:00
Relinquished by		Cindy Mathews	8-11-21	1350
Received by				
Relinquished by				
Received in lab by		AUG 11 2021		1350

Sample Received Checklist 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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.#: 21H0274

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: Maria 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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/12/21	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.62/23.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 12 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maria Aguirre (IPC)	8/12/21	11:21
Received by		MARIA SANTIESTEBAN (PCL)	8/12/21	1327
Relinquished by		MARIA SANTIESTEBAN (PCL)	8/12/21	1530
Received by				
Relinquished by				
Received in lab by			AUG 12 2021	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.

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.#: 21H0309

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	8/13/21	11:04	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
AUG 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	8/13/21	11:10
Received by		Cindy Martinez	8-13-21	1240
Relinquished by		Cindy Martinez	8-13-21	1350
Received by				
Relinquished by				
Received in lab by		AUG 13 2021		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
(Col) - bacteria

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0324

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	8/14/21	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 Avalos	Jesus Avalos (IPC)	8/14/21	10:55
Received by	Richard Martinez PCL	8/14/21	1110
Relinquished by	Richard Martinez PCL	8/14/21	1200
Received by			
Relinquished by			
Received in lab by	Richard Martinez PCL	8/14/21	1200

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 14:24
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21H0249-01) Collected: 10-Aug-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH11238	1	12-Aug-21	13-Aug-21	**316 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH11230	2	12-Aug-21	17-Aug-21	**836 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 8/18/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0249

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/10/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	7.1/25.4°C

RECEIVED
AUG 11 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	08/11/21	1155
Received by		Cindy MATHIS	8-11-21	12:00
Relinquished by		Cindy MATHIS	8/11/21	1350
Received by				
Relinquished by				
Received in lab by		AUG 11 2021		1350

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
(Comp)

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 14:21
Subject: (MCC) Weekly EFF

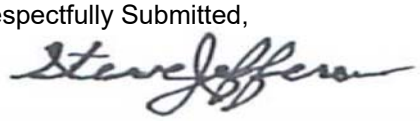
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0250-01) Collected: 11-Aug-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH11238	1	12-Aug-21	13-Aug-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH11231	0.10	12-Aug-21	12-Aug-21	**0.10 mg/l**	
Nitrate as N	EPA 353.2	AH11227	0.05	12-Aug-21	12-Aug-21	**0.38 mg/l**	
Nitrite as N	EPA 353.2	AH11227	0.05	12-Aug-21	12-Aug-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH11639	0.10	16-Aug-21	17-Aug-21	**0.71 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/18/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0250

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	08/11/21	1140	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.5/30.3°C
			1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	08/10/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 11 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/11/21	1155
Received by		Cindy Warner	8-11-21	12:00
Relinquished by		Cindy Warner	8-11-21	1350
Received by				
Relinquished by				
Received in lab by		AUG 11 2021		1350

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 23-Aug-21 17:49
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0311-01) Collected: 12-Aug-21 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH11545	2	15-Aug-21	20-Aug-21	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 8/23/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0311

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

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: C.O.
Report Attention: Ric Vardel / Golan Kfir

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

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~~	~~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	
EFF - Composite	08/12/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	7.9/29.4°C

RECEIVED
AUG 13 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.O.	Carlos Alvarez (CAC)	08/13/21	1140
Received by		Cindy Manrique	8-13-21	1212:40
Relinquished by		Cindy Manrique	8-13-21	1350
Received by				
Relinquished by				
Received in lab by		AUG 13 2021		1350

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
(Comp)

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 17:44
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0325-01) Collected: 15-Aug-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11546	1.8	15-Aug-21	18-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11546	1.8	15-Aug-21	18-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	15-Aug-21	15-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11646	0.05	16-Aug-21	16-Aug-21	**0.15 mg/l**	
EFF (Sample I.D.# : 21H0338-01) Collected: 16-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11647	1.8	16-Aug-21	18-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11647	1.8	16-Aug-21	18-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	16-Aug-21	16-Aug-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11759	0.05	17-Aug-21	17-Aug-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21H0376-01) Collected: 17-Aug-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11760	1.8	17-Aug-21	19-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11760	1.8	17-Aug-21	19-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH11828	0.1	17-Aug-21	17-Aug-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11945	0.05	19-Aug-21	19-Aug-21	**0.08 mg/l**	

Respectfully Submitted,

Steve Jefferson 8/23/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 23-Aug-21 17:44
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,

Steve Jefferson 8/23/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2110325

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	8/15/21	945	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
AUG 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	8/15/21	950
Received by		Juan V. (PCL)	8/15/21	11:00
Relinquished by		Juan V. (PCL)	8/15/21	11:55
Received by				
Relinquished by				
Received @ lab by		AUG 15 2021		1155

Sample Received Checklist 4°C

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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.#: 21H0338

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	8/16/21	11:28	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1/31.1°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 16 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mari Aguirre (IPC)	8/16/21	11:32
Received by		Juan V. (PCL)	8/16/21	12:24
Relinquished by		Juan V. (PCL)	8/16/21	13:38
Received by				
Relinquished by				
Received in lab by		AUG 16 2021		13:38

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
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.#: 21H0376

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	8/17/21	11:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7-8/28 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 17 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	8/17/21	11:55
Received by	Cindy Mamm	8-17-21	13:10
Relinquished by	Cindy Mamm	8-17-21	1420
Received by			
Relinquished by			
Received by	AUG 17 2021		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
(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: 24-Aug-21 14:44
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21H0407-01) Collected: 17-Aug-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH11953	1	19-Aug-21	20-Aug-21	**258 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH11941	2	19-Aug-21	24-Aug-21	**438 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 8/24/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0407

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/17/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.1/25.3
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 18 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/18/21	1120
Received by		Cindy Mathis	8-18-21	1220
Relinquished by		Cindy Mathis	8-18-21	1530
Received by				
Relinquished by				
Received in lab by		AUG 18 2021		1530

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	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: 24-Aug-21 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.# : 21H0408-01) Collected: 18-Aug-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11827	1.8	18-Aug-21	20-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11827	1.8	18-Aug-21	20-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH12351	0.1	18-Aug-21	18-Aug-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH11945	0.05	19-Aug-21	19-Aug-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21H0446-01) Collected: 19-Aug-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH11951	1.8	19-Aug-21	21-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH11951	1.8	19-Aug-21	21-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH12351	0.1	19-Aug-21	19-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12032	0.05	20-Aug-21	20-Aug-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21H0457-01) Collected: 20-Aug-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12036	1.8	20-Aug-21	22-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12036	1.8	20-Aug-21	22-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH12351	0.1	20-Aug-21	20-Aug-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12032	0.05	20-Aug-21	20-Aug-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21H0469-01) Collected: 21-Aug-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12125	1.8	21-Aug-21	23-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12125	1.8	21-Aug-21	23-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH12351	0.1	21-Aug-21	21-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12346	0.05	23-Aug-21	23-Aug-21	**0.06 mg/l**	

Respectfully Submitted,

Steve Jefferson 8/24/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 24-Aug-21 14:50
Subject: (MCC) Daily EFF

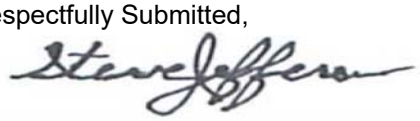
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0470-01) Collected: 22-Aug-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12253	1.8	22-Aug-21	24-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12253	1.8	22-Aug-21	24-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH12351	0.1	22-Aug-21	22-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12346	0.05	23-Aug-21	23-Aug-21	**0.06 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/24/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0311

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

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: C.O.
Report Attention: Ric Vardel / Golan Kfir

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

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~~	~~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	
EFF - Composite	08/12/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	7.9/29.4°C

RECEIVED
AUG 13 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.O.	Carlos Alvarez (CAC)	08/13/21	1140
Received by		Cindy Manrique	8-13-21	1212:40
Relinquished by		Cindy Manrique	8-13-21	1350
Received by				
Relinquished by				
Received in lab by		AUG 13 2021		1350

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
(Comp)

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0408

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/18/21	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7/27.6
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 18 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q	Carlos Alvarez (IPC)	08/18/21	1420
Received by		Cindy Waters	8/18/21	1420
Relinquished by		Cindy Matthews	8/18/21	1536
Received by				
Relinquished by				
Received by			AUG 18 2021	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.#: 21H0446

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	8/19/21	12:50	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
AUG 19 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	GOLAN IPC	8/19/21	12:57
Received by	Juan V (PCL)	8/19/21	12:51
Relinquished by	Juan V. (PCL)	8/19/21	14:14
Received by			
Relinquished by			
Received in lab by		AUG 19 2021	1414

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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.#: 2110457

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by:
Report Attention: Ric Vardel / Golan Kfir

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	08/20/21	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.41 24.3

RECEIVED
AUG 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	08/20/21	1130
Received by		Cindy Murray	8-20-21	1300
Relinquished by		Cindy Murray	8-20-21	1420
Received by				
Relinquished by				
Received in lab by			AUG 20 2021	1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0469

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	8/21/21	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 Avalos	Jesus Avalos (IPC)	8/21/21	10:55
Received by:	Richard Martinez (PCL)	8/21/21	1130
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	8/21/21	1230

Sample Received Checklist

Temperature upon receipt: 4°

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH 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.#: 21H0470

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	8/22/21	950	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	8/22/21	955
Received by		JuanVasquez PCL	8/22/21	10:50
Relinquished by				
Received by				
Relinquished by				
Received in lab by		JuanVasquez(PCL)	8/22/21	11:35

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: 24-Aug-21 14:40
Subject: (MCC) Weekly EFF

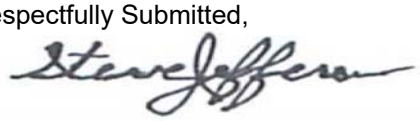
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0409-01) Collected: 18-Aug-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH11953	1	19-Aug-21	20-Aug-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH12340	0.10	23-Aug-21	23-Aug-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH11957	0.05	19-Aug-21	19-Aug-21	**1.04 mg/l**	
Nitrite as N	EPA 353.2	AH11957	0.05	19-Aug-21	19-Aug-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH11942	0.10	19-Aug-21	20-Aug-21	**0.75 mg/l**	
EFF (Sample I.D.# : 21H0409-02) Collected: 17-Aug-21 By Carlos A. of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH11941	2	19-Aug-21	24-Aug-21	**3 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 8/24/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0409

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly EFF
Address:	9297 Research Drive	Sampled by:	C. O
	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	08/18/21	1145	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.9/29.2
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	08/17/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 18 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. O	Carlos Olvera (SPC)	08/18/21	14:20
Received by		Cindy Wally	8-18-21	1420
Relinquished by		Cindy Martinez	8-18-21	1530
Received by				
Relinquished by				
Received at lab			AUG 18 2021	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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 16:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0483-01) Collected: 23-Aug-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12341	1.8	23-Aug-21	25-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12341	1.8	23-Aug-21	25-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH12351	0.1	23-Aug-21	23-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12346	0.05	23-Aug-21	23-Aug-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21H0514-01) Collected: 24-Aug-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12454	1.8	24-Aug-21	26-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12454	1.8	24-Aug-21	26-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	24-Aug-21	24-Aug-21	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12535	0.05	25-Aug-21	25-Aug-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21H0547-01) Collected: 25-Aug-21 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12541	1.8	25-Aug-21	27-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12541	1.8	25-Aug-21	27-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	25-Aug-21	25-Aug-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12535	0.05	25-Aug-21	25-Aug-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21H0583-01) Collected: 26-Aug-21 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12631	1.8	26-Aug-21	28-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12631	1.8	26-Aug-21	28-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	26-Aug-21	26-Aug-21	**8.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12637	0.05	26-Aug-21	26-Aug-21	**0.12 mg/l**	

Respectfully Submitted,



Steve Jefferson 9/14/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 14-Sep-21 16:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0596-01) Collected: 27-Aug-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12732	1.8	27-Aug-21	29-Aug-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12732	1.8	27-Aug-21	29-Aug-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	27-Aug-21	27-Aug-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12966	0.05	29-Aug-21	29-Aug-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21H0606-01) Collected: 28-Aug-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12828	1.8	28-Aug-21	01-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12828	1.8	28-Aug-21	01-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	28-Aug-21	28-Aug-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12966	0.05	29-Aug-21	29-Aug-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21H0611-01) Collected: 29-Aug-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH12964	1.8	29-Aug-21	01-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH12964	1.8	29-Aug-21	01-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	30-Aug-21	30-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH12966	0.05	29-Aug-21	29-Aug-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21H0617-01) Collected: 30-Aug-21 By JV of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AH13047	1.8	30-Aug-21	01-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH13047	1.8	30-Aug-21	01-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AH13153	0.1	30-Aug-21	30-Aug-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AH13146	0.05	31-Aug-21	31-Aug-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 9/14/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 14-Sep-21 16:30
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,

Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21-0483

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	8/23/21	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7
	~	~	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	8/23/21	12:10
Received by:	Juan V. (PCL)	8/23/21	12:16
Relinquished by:	Juan V (PCL)	8/23/21	13:05
Received by:			
Relinquished by:			
Received in lab by:		AUG 23 2021	1305

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0514

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project: (MCC) Daily EFF
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	8/24/21	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	

RECEIVED
AUG 24 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/24/21	1200
Received by	Richard Martinez PC	8/24/21	1200
Relinquished by	Richard Martinez PC	8/24/21	1305
Received by			
Relinquished by			
Received in lab by		AUG 24 2021	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.

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.#: 21H0547

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	8/25/21	11:49	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 25 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	8/25/21	11:55
Received by		Richard Martinez (IPC)	8/25/21	1230
Relinquished by		Richard Martinez (IPC)	8/25/21	1400
Received by				
Relinquished by				
Received in Lab by		AUG 25 2021		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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0583

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project: (MCC) Daily EFF
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	8/26/21	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
AUG 26 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E MORRIS IPC	8/26/21	1152
Received by		Richard Martinez PCL	8/26/21	1225
Relinquished by		Richard Martinez PCL	8/26/21	1500
Received by				
Relinquished by				
Received at lab by		AUG 26 2021		1500

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21HO596

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	8/27/21	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
AUG 27 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	8/27/21	1325
Received by	Richard Martinez IPC	8/27/21	1325
Relinquished by	Richard Martinez IPC	8/27/21	1530
Received by			
Relinquished by			
Received in lab by	AUG 27 2021		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.#: 21H0606

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Jess 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	8/28/21	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	

RECEIVED
AUG 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jess Avalos	Jess Avalos (IPC)	8/28/21	10:55
Received by: Alex Walker	Alex Walker Jr.	8/28/21	12:15
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:		AUG 28 2021	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.

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.#: 21H0611

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: (Field) Lab
EFF	8/29/21	955	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		ERIC MORRIS (PCL)	8/29/21	1000
Received by		Juan Vasquez (PCL)	8/29/21	10:40
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	8/29/21	12:52

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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.#: 21H0617

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine, CA 92618
Project: (MCC) Daily EFF
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	8/30/21	11:00	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	

RECEIVED
AUG 30 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	8/30/21	11:05
Received by		Juan Vasquez (IPC)	8/30/21	11:46
Relinquished by		Juan Vasquez (IPC)	8/30/21	13:20
Received by				
Relinquished by				
Received in lab by		AUG 30 2021		1320

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 14-Sep-21 16:50
Subject: (MCC) Weekly INF

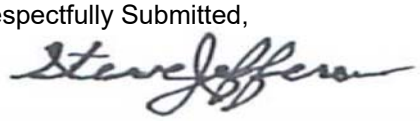
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21H0551-01) Collected: 24-Aug-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH12546	1	25-Aug-21	26-Aug-21	**156 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH12539	2	25-Aug-21	30-Aug-21	**408 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21#0551

Customer:	iPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
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
INF	8/24/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
AUG 25 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	8/25/21	11:55
Received by		Richard Martinez PCL	8/25/21	1230
Relinquished by		Richard Martinez PCL	8/25/21	1400
Received by				
Relinquished by				
Received in lab by		AUG 25 2021		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) Comp	(AQ) - Water	(P) - Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 14-Sep-21 16:44
Subject: (MCC) Weekly EFF

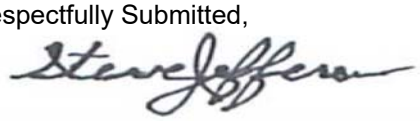
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0553-01) Collected: 25-Aug-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AH12635	1	26-Aug-21	27-Aug-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AH12634	0.10	26-Aug-21	26-Aug-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AH12633	0.05	26-Aug-21	26-Aug-21	**1.32 mg/l**	
Nitrite as N	EPA 353.2	AH12633	0.05	26-Aug-21	26-Aug-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AH13041	0.10	30-Aug-21	31-Aug-21	**0.36 mg/l**	
EFF (Sample I.D.# : 21H0553-02) Collected: 24-Aug-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AH12539	2	25-Aug-21	30-Aug-21	**<2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0553

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	**(MCC)** Weekly **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	8/25/21	11:42	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	
"	8/24/21	c:w	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
AUG 25 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	8/25/21	11:55
Received by	Richard Martinez LA	8/25/21	1230
Relinquished by	Richard Martinez LA	8/25/21	1400
Received by			
Relinquished by			
Received for lab by		AUG 25 2021	1400

Sample Received Checklist 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
(Comp)

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

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

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

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 16:35
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0633-01) Collected: 31-Aug-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AH13154	1.8	31-Aug-21	02-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AH13154	1.8	31-Aug-21	02-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	31-Aug-21	08-Sep-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10128	0.05	01-Sep-21	01-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0027-01) Collected: 01-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10125	1.8	01-Sep-21	03-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10125	1.8	01-Sep-21	03-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	01-Sep-21	01-Sep-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10128	0.05	01-Sep-21	01-Sep-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21I0062-01) Collected: 02-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10233	1.8	02-Sep-21	04-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10233	1.8	02-Sep-21	04-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	02-Sep-21	02-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10308	0.05	03-Sep-21	03-Sep-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21I0086-01) Collected: 03-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10311	1.8	03-Sep-21	05-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10311	1.8	03-Sep-21	05-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	03-Sep-21	03-Sep-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10308	0.05	03-Sep-21	03-Sep-21	**0.07 mg/l**	

Respectfully Submitted,

Steve Jefferson 9/14/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 14-Sep-21 16:35
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0098-01) Collected: 04-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10432	1.8	04-Sep-21	06-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10432	1.8	04-Sep-21	06-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	04-Sep-21	04-Sep-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10531	0.05	05-Sep-21	05-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0101-01) Collected: 05-Sep-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10528	1.8	05-Sep-21	07-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10528	1.8	05-Sep-21	07-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	05-Sep-21	05-Sep-21	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10531	0.05	05-Sep-21	05-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0106-01) Collected: 06-Sep-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10659	1.8	06-Sep-21	08-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10659	1.8	06-Sep-21	08-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	06-Sep-21	06-Sep-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10754	0.05	07-Sep-21	07-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0140-01) Collected: 07-Sep-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10750	1.8	07-Sep-21	09-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10750	1.8	07-Sep-21	09-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI10830	0.1	07-Sep-21	07-Sep-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10754	0.05	07-Sep-21	07-Sep-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 9/14/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

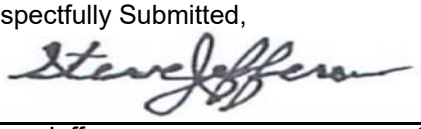
Attention: Ric Vardel
Report Date: 14-Sep-21 16:35
Subject: (MCC) Daily EFF

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,



Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21H0633

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	8/31/21	11:23	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 28.7°C
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
AUG 31 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	8/31/21	11:25
Received by			8/31/21	12:20
Relinquished by			8/31/21	1420
Received by				
Relinquished by				
Received in lab by		AUG 31 2021		1420

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0027

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	09/01/21	1120	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
SEP 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CD	Carlos Alvarez (IPC)	09/01/21	1130
Received by		Cindy Mason	9-1-21	1235
Relinquished by		Cindy Mason	9-1-21	1350
Received by				
Relinquished by				
Received in lab by		SEP 01 2021		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
Grab
Comp

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

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 21F0862

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 Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/2/21	11:09	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 26.2 °C
EFF	9/2/21	11:09	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 02 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	9/2/21	11:15
Received by	Cindy Mabry	9/2/21	1231
Relinquished by	Cindy Mabry	9-2-21	15:00
Received by			
Relinquished by			
Received in Lab by		SEP 02 2021	1500

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0056

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	9/3/21	11:26	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 27.8 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	9/3/21	11:34
Received by	Cindy Ng	9/3/21	13:03
Relinquished by	Cindy Ng	9/3/21	1420
Received by			
Relinquished by			
Received in lab by		SEP 03 2021	1420

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.#: 21I0098

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	9/04/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
11	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 Avalos	Jesus Avalos (IPC)	9/04/21	10:55
Received by:	Richard Martinez PC	9/04/21	10:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez	9/4/21	1300

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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.#: 21I0101

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	9/5/21	1000	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.9
	"	"	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	9/5/21	1005
Received by	Juan Vasquez (PCL)	9/5/21	10:05
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	9/5/21	11:24

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.#: 21I0106

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	9-6-21	959	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.9 / 26.9
	"	"	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		ERIC MORRIS IPC	9/6/21	1005
Received by			9-6-21	1050
Relinquished by			9-6-21	1155
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	9/6/21	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	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.#: 21I0140

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	9-7	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	((	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (IPC)	9-7	11:45
Received by	Juan Vasquez (PCL)	9/7/21	12:09
Relinquished by	Juan Vasquez (PCL)	9/7/21	14:00
Received by			
Relinquished by			
Received in Lab by	SEP 07 2021		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
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-21 16:59
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21I0031-01) Collected: 01-Aug-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI10232	1	02-Sep-21	02-Sep-21	**240 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI10230	2	02-Sep-21	07-Sep-21	**130 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I00031

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	08/31/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	6.6/23.9-C
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	09/01/21	1130
Received by		Cindy Martinez	9.1.21	1235
Relinquished by		Cindy Martinez	9-1-21	1350
Received by				
Relinquished by				
Received for lab by		SEP 01 2021		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: 14-Sep-21 16:41
Subject: (MCC) Monthly EFF

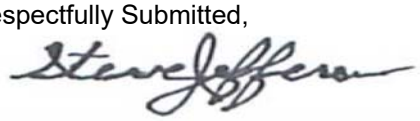
Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0028-01) Collected: 01-Sep-21 By CA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AI10742	5	07-Sep-21	08-Sep-21	**900 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AI10231	20.0	02-Sep-21	03-Sep-21	**184 mg/l**	
Sulfate as SO4	EPA 300.0	AI10231	10.0	02-Sep-21	03-Sep-21	**224 mg/l**	
Boron	EPA 200.7	AI10741	0.10	07-Sep-21	08-Sep-21	**0.17 mg/l**	
Phosphorus, Total as P	EPA 365.3	AI11126	1.00	11-Sep-21	11-Sep-21	**11.6 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AI10227	0.20	02-Sep-21	02-Sep-21	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AI10313	5	03-Sep-21	03-Sep-21	**<5 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Enyironmental Sample

Sample I.D.#: 21I0028

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/01/21	1125	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	7.3/24.7

RECEIVED
SEP 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	09/01/21	1130
Received by		Cindy Martinez	9-1-21	1235
Relinquished by		Cindy Martinez	9-1-21	1350
Received by				
Relinquished by				
Received in lab by			SEP 01 2021	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: 14-Sep-21 16:47
Subject: (MCC) Weekly EFF

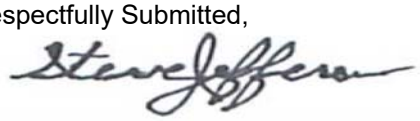
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0029-01) Collected: 01-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI10232	1	02-Sep-21	02-Sep-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI10746	0.10	07-Sep-21	07-Sep-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI10228	0.05	02-Sep-21	02-Sep-21	**1.09 mg/l**	
Nitrite as N	EPA 353.2	AI10228	0.05	02-Sep-21	02-Sep-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI10226	0.10	02-Sep-21	03-Sep-21	**0.46 mg/l**	
EFF (Sample I.D.# : 21I0029-02) Collected: 31-Aug-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI10230	2	02-Sep-21	07-Sep-21	**<2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0029

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/01/21	1120	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.2/23.4 °C
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	08/31/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRL)	09/01/21	1130
Received by		Cindy Marsing	9-1-21	1235
Relinquished by		Cindy Marsing	9-1-21	1350
Received by				
Relinquished by				
Received in lab by		SEP 01 2021		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
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 14-Sep-21 17:02
Subject: (MCC) Weekly INF

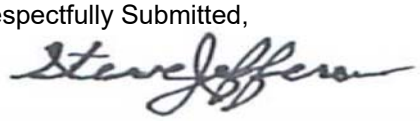
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21I0191-01) Collected: 07-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI11128	1	11-Sep-21	12-Sep-21	**263 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI10930	2	09-Sep-21	14-Sep-21	**520 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/14/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0191

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
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
INF	9/7/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	9/8/21	12:05
Received by		MARCO SANTIESTEBAN (PCL)	9/8/21	1241
Relinquished by		MARC SANTIESTEBAN (PCL)	9/8/21	1545
Received by				
Relinquished by				
Received in lab by		SEP 08 2021		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 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

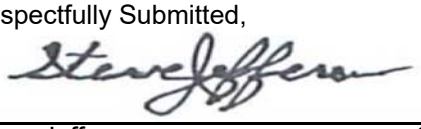
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 21-Sep-21 16:16
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0204-01) Collected: 08-Sep-21 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI10839	1.8	08-Sep-21	10-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10839	1.8	08-Sep-21	10-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11351	0.1	08-Sep-21	08-Sep-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI10934	0.05	09-Sep-21	09-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0235-01) Collected: 09-Sep-21 By MS of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AI10933	1.8	09-Sep-21	11-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI10933	1.8	09-Sep-21	11-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11351	0.1	09-Sep-21	09-Sep-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11025	0.05	10-Sep-21	10-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0254-01) Collected: 10-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11022	1.8	10-Sep-21	12-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11022	1.8	10-Sep-21	12-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11351	0.1	10-Sep-21	10-Sep-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11025	0.05	10-Sep-21	10-Sep-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21I0272-01) Collected: 11-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11129	1.8	11-Sep-21	15-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11129	1.8	11-Sep-21	15-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11351	0.1	11-Sep-21	11-Sep-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11247	0.05	12-Sep-21	12-Sep-21	**<0.05 mg/l**	

Respectfully Submitted,



Steve Jefferson 9/21/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:16
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0276-01) Collected: 12-Sep-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11358	1.8	13-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11358	1.8	13-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11351	0.1	12-Sep-21	12-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11247	0.05	12-Sep-21	12-Sep-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21I0302-01) Collected: 13-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11358	1.8	13-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11358	1.8	13-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11727	0.1	13-Sep-21	13-Sep-21	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11456	0.05	14-Sep-21	14-Sep-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21I0327-01) Collected: 14-Sep-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11453	1.8	14-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11453	1.8	14-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11727	0.1	14-Sep-21	14-Sep-21	**6.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11456	0.05	14-Sep-21	14-Sep-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21I0355-01) Collected: 15-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11534	1.8	15-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11534	1.8	15-Sep-21	17-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11727	0.1	15-Sep-21	15-Sep-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11635	0.05	16-Sep-21	16-Sep-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 9/21/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 21-Sep-21 16:16
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,

Steve Jefferson 9/21/2021
Laboratory Director

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
21I0302-01	Res Chlorine Total		Sampled->Analyzed > 1.00 days
21I0302-01	Res Chlorine Total		Sampled->Prepared > 1.00 days
21I0276-01	TC (15 Tubes) SM9221B		Sampled->Prepared > 0.34 days
21I0276-01	FC (15 Tubes) SM9221E		Sampled->Prepared > 0.34 days
21I0272-01	Res Chlorine Total		Sampled->Analyzed > 1.00 days
21I0272-01	Res Chlorine Total		Sampled->Prepared > 1.00 days
21I0204-01	Res Chlorine Total		Sampled->Analyzed > 1.00 days
21I0204-01	Res Chlorine Total		Sampled->Prepared > 1.00 days
			VERSION 6.18:2013
			Default Report (not modified)

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0204

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	9/8/21	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	T. 7.9/20.1°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	Mario Aguirre (IPC)	9/8/21	12:05
Received by	MARIO SANTIESTEBAN (PCL)	9/8/21	1245
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/8/21	1545
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	9/8/21	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
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.#: 21I0235

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	9/9/21	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 09 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/9/21	1443
Received by:	MARIO SANTIESTEBAN (PCL)	9/9/21	1443
Relinquished by:	MARIO SANTIESTEBAN (PCL)	9/9/21	1635
Received by:			
Relinquished by:			
Received for lab by:	SEP 09 2021		1635

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
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.#: 21F0254

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	09/10/21	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6 / 26.0 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
SEP 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPK)	09/10/21	1255
Received by		Cindy MARY	9-10-21	12:55
Relinquished by		Cindy MARY	9-10-21	1430
Received by				
Relinquished by				
Received in lab by		SEP 10 2021		1430

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0272

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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	9/1/21	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 Avalos	Jesus Avalos (IPC)	9/1/21	10:55
Received by:	Richard Martinez PCL	9/1/21	1115
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez PCL	9/1/21	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.

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.#: 21I0276

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	9-12-21	955	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
SEP 12 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	ERIC MORRIS / IPC	9-12-21	10:00
Received by	Juan Vasquez (PCL)	9/12/21	10:20
Relinquished by	Juan Vasquez (PCL)	9/12/21	11:30
Received by			
Relinquished by			
Received in lab by	SEP 12 2021		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	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.#: 21I0302

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	09/13/21	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.9 / 22.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

SEP 13 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SFC)	09/13/21	1115
Received by		Jonathan Vasquez (PCL)	09/13/21	12:00
Relinquished by		Jonathan Vasquez (PCL)	9/13/21	13:52
Received by				
Relinquished by				
Received in lab by			SEP 13 2021	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
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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0327

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: LUCE WATSON	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	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	LUCE WATSON (IPC)	9-14	11:37
Received by	Jonathan V. (PCL)	9-14	12:31
Relinquished by	Jonathan V. (PCL)	9-14	14:46
Received by			
Relinquished by			
Received in lab by	SEP 14 2021		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	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.#: 21I0355

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	CD
	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	09/15/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	72/23.9

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
SEP 15 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	CD	Carlos Alvarez (Carl)	09/15/21	1220
Received by		Jonathan V. (PCL)	09/15/21	12:20
Relinquished by		Jonathan V (PCL)	9/15/21	14:15
Received by				
Relinquished by				
Received for lab by		SEP 15 2021		1415

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Sep-21 16:45
Subject: (MCC) Weekly EFF

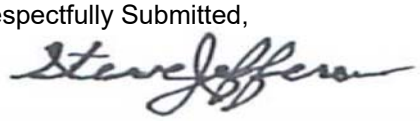
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0194-01) Collected: 08-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI10936	1	09-Sep-21	10-Sep-21	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI10926	0.10	09-Sep-21	09-Sep-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI10931	0.05	09-Sep-21	09-Sep-21	**0.18 mg/l**	
Nitrite as N	EPA 353.2	AI10931	0.05	09-Sep-21	09-Sep-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI12430	0.10	24-Sep-21	27-Sep-21	**1.21 mg/l**	
EFF (Sample I.D.# : 21I0194-02) Collected: 07-Sep-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI10930	2	09-Sep-21	14-Sep-21	**4 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0194

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC) Weekly 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	9/8/21	11:59	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	
"	9/7/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/8/21	12:05
Received by		MARIO SANTIESTEBAN (PCL)	9/8/21	1247
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/8/21	1545
Received by				
Relinquished by				
Received in lab by			SEP 08 2021	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
AI - $AlCl_3$
Cu - $CuSO_4$

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Sep-21 16:40
Subject: (MCC) Weekly INF

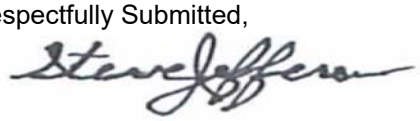
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21I0361-01) Collected: 14-Sep-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI11639	1	16-Sep-21	17-Sep-21	**306 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI11631	2	16-Sep-21	21-Sep-21	**558 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21F0361

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	09/14/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GRC)	09/15/21	1213
Received by		Jonathan V. (PCL)	9/15/21	12:13
Relinquished by		Jonathan V. (PCL)	9-15-21	14:15
Received by				
Relinquished by				
Received in lab by		SEP 15 2021		1415

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Sep-21 16:48
Subject: (MCC) Weekly EFF

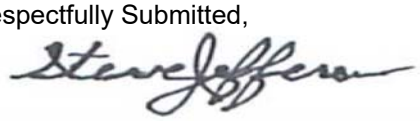
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0356-01) Collected: 15-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI11639	1	16-Sep-21	17-Sep-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI11530	0.10	16-Sep-21	16-Sep-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI11628	0.05	16-Sep-21	16-Sep-21	**0.54 mg/l**	
Nitrite as N	EPA 353.2	AI11628	0.05	16-Sep-21	16-Sep-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI12523	0.10	25-Sep-21	27-Sep-21	**1.03 mg/l**	
EFF (Sample I.D.# : 21I0356-02) Collected: 14-Sep-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI11631	2	16-Sep-21	21-Sep-21	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2110356

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC)** Weekly **EFF**
Address:	9297 Research Drive	Sampled by:	C. V.
	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	09/15/21	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	
	09/14/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	09/15/21	1215
Received by		Jonathan V. (PCL)	9/15/21	12:15
Relinquished by		Jonathan V. (PCL)	9-15-21	14:15
Received by				
Relinquished by				
Received in lab by		SEP 15 2021		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) Comp	(AQ) - Water	(P) Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

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

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

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

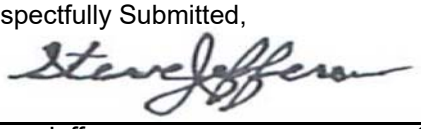
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Sep-21 16:56
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0396-01) Collected: 16-Sep-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11638	1.8	16-Sep-21	18-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11638	1.8	16-Sep-21	18-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI11727	0.1	16-Sep-21	16-Sep-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11726	0.05	17-Sep-21	17-Sep-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21I0421-01) Collected: 17-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11728	1.8	17-Sep-21	19-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11728	1.8	17-Sep-21	19-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12244	0.1	17-Sep-21	17-Sep-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11726	0.05	17-Sep-21	17-Sep-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21I0436-01) Collected: 18-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11828	1.8	18-Sep-21	20-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11828	1.8	18-Sep-21	20-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12244	0.1	18-Sep-21	18-Sep-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11930	0.05	19-Sep-21	19-Sep-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21I0437-01) Collected: 19-Sep-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI11927	1.8	19-Sep-21	21-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI11927	1.8	19-Sep-21	21-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12244	0.1	19-Sep-21	19-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI11930	0.05	19-Sep-21	19-Sep-21	**<0.05 mg/l**	

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

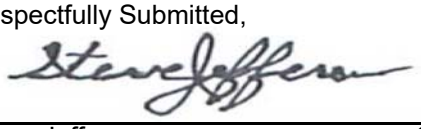
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Sep-21 16:56
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0463-01) Collected: 20-Sep-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12070	1.8	20-Sep-21	22-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12070	1.8	20-Sep-21	22-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12244	0.1	20-Sep-21	20-Sep-21	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12235	0.05	22-Sep-21	22-Sep-21	**0.95 mg/l**	
EFF (Sample I.D.# : 21I0478-01) Collected: 21-Sep-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12153	1.8	21-Sep-21	23-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12153	1.8	21-Sep-21	23-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12244	0.1	21-Sep-21	21-Sep-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12235	0.05	22-Sep-21	22-Sep-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21I0523-01) Collected: 22-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12243	1.8	22-Sep-21	24-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12243	1.8	22-Sep-21	24-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	22-Sep-21	22-Sep-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12338	0.05	23-Sep-21	23-Sep-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21I0554-01) Collected: 23-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12341	1.8	23-Sep-21	25-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12341	1.8	23-Sep-21	25-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	23-Sep-21	23-Sep-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12338	0.05	23-Sep-21	23-Sep-21	**0.10 mg/l**	

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 30-Sep-21 16:56
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0576-01) Collected: 24-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12527	1.8	24-Sep-21	27-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12527	1.8	24-Sep-21	27-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	24-Sep-21	24-Sep-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12440	0.05	24-Sep-21	24-Sep-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21I0598-01) Collected: 25-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12530	1.8	25-Sep-21	27-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12530	1.8	25-Sep-21	27-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	25-Sep-21	25-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12660	0.05	26-Sep-21	26-Sep-21	**0.06 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 9/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2110396

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	9/16/21	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 16 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	9/16/21	11:20
Received by:	Jonathan V. (PCL)	9/16/21	12:20
Relinquished by:	Jonathan V. (PCL)	9/16	1330
Received by:			
Relinquished by:			
Received in lab by:	SEP 16 2021		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.#: 21F0421

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	09/17/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 17 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GRC)	09/17/21	1140
Received by		Jonathan V. (PCL)	09-17	12:12
Relinquished by		Jonathan V (PCL)	9-17	14:20
Received by				
Relinquished by				
Received in lab by		SEP 17 2021		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.#: 21I0436

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	9/18/21	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 Avalos	Jesus Avalos (IPC)	9/18/21	10:55
Received by:	Richard Martinez R/L	9/18/21	11:30
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez R/L	9/18/21	1345

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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.#: 21I0437

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	9-19-21	955	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 27.2°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	9/19/21	10:55
Received by		Juan Vasquez (PCL)	9/19/21	10:55
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	9/19/21	1207

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21I0463

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	09/20/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.9/22.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
SEP 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/20/21	1150
Received by		Cindy Mathis	9-20-21	1150
Relinquished by		Cindy Mathis	9-20-21	1243
Received by				
Relinquished by				
Received in lab by			SEP 20 2021	1243

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I 0478

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project : (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	9-21-21	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1/25.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	9-21-21	11:18
Received by			9-21-21	11:20
Relinquished by			9-21-21	1350
Received by				
Relinquished by				
Received in lab by		SEP 21 2021		1350

Sample Received Checklist

Temperature upon receipt: 4° C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0523

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/22/21	11:47	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.51/14.3°C
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 22 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/22/21	11:50
Received by		MARIO SANTESTEBAN (PCL)	9/22/21	12:40
Relinquished by				
Received by				
Relinquished by				
Received in lab by		SEP 22 2021		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
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
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.#: 21I0554

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	9/23/21	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.31/23.9C
"	"	11:10	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	9/23/21	11:12
Received by	Arnold Olm (PCL)	9/23/21	17:10
Relinquished by	Arnold Olm (PCL)	9/23/21	14:45
Received by			
Relinquished by			
Received for lab by	SEP 23 2021		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.#: 2110576

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	9/24/21	11:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 24 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/24/21	11:51
Received by		Richard Martinez (IPC)	9/24/21	1200
Relinquished by		Richard Martinez PCL	9/24/21	1340
Received by				
Relinquished by				
Received in lab by		SEP 24 2021		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	Matrix	Bottle Type
(Grab) Comp	(AQ) - Water	(P) - Plastic
	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		(Coli) - bacteria

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
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.
Address: 9297 Research Drive
Irvine CA 92618

Project : (MCC) Daily EFF
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	9/29/21	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 Avalos	Jesus Avalos (IPC)	9/25/21	10:55
Received by:	Richard Martinez (PCL)	9/25/21	1105
Relinquished by:	Richard Martinez (PCL)	9/25/21	1240
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	**AI** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 30-Sep-21 16:42
Subject: (MCC) Weekly INF

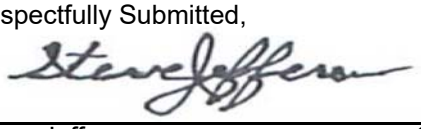
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21I0527-01) Collected: 21-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI12342	1	23-Sep-21	24-Sep-21	**242 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI12336	2	23-Sep-21	28-Sep-21	**485 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0527

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	9/21/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	0:00	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

SEP 22 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	9/22/21	11:50
Received by	MARIO SANTIESTEBAN (PCL)	9/22/21	1249
Relinquished by	MARIO SANTIESTEBAN (PCL)	9/22/21	1445
Received by			
Relinquished by			
Received in lab by	SEP 22 2021		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

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Sep-21 16:51
Subject: (MCC) Weekly EFF

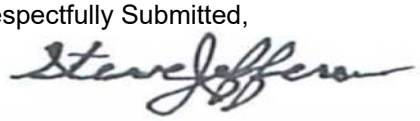
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0529-01) Collected: 22-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI12342	1	23-Sep-21	24-Sep-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI12854	0.10	28-Sep-21	29-Sep-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI12333	0.05	23-Sep-21	23-Sep-21	**0.90 mg/l**	
Nitrite as N	EPA 353.2	AI12333	0.05	23-Sep-21	23-Sep-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AI12756	0.10	27-Sep-21	29-Sep-21	**0.94 mg/l**	
EFF (Sample I.D.# : 21I0529-02) Collected: 21-Sep-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI12336	2	23-Sep-21	28-Sep-21	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 9/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2110529

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly 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	9/22/21	11:42	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	
"	9/21/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

SEP 22 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Marie Aguirre (IPC)	9/22/21	11:50
Received by		MARIO SANTIESTEBAN (PCL)	9/22/21	1243
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/22/21	1445
Received by				
Relinquished by				
Received in lab by			SEP 22 2021	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.

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

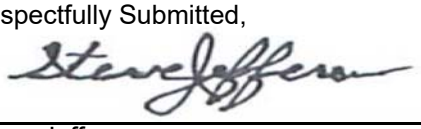
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Oct-21 13:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0604-01) Collected: 26-Sep-21 By JV of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AI12657	1.8	26-Sep-21	30-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12657	1.8	26-Sep-21	30-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	26-Sep-21	26-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12660	0.05	26-Sep-21	26-Sep-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21I0623-01) Collected: 27-Sep-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12760	1.8	27-Sep-21	29-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12760	1.8	27-Sep-21	29-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	27-Sep-21	27-Sep-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12850	0.05	28-Sep-21	28-Sep-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21I0659-01) Collected: 28-Sep-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12849	1.8	28-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12849	1.8	28-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	28-Sep-21	28-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12850	0.05	28-Sep-21	28-Sep-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21I0714-01) Collected: 29-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12941	1.8	29-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12941	1.8	29-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	29-Sep-21	29-Sep-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI13043	0.05	30-Sep-21	30-Sep-21	**0.10 mg/l**	

Respectfully Submitted,



Steve Jefferson 10/5/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 05-Oct-21 13:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0724-01) Collected: 30-Sep-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI13036	1.8	30-Sep-21	02-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI13036	1.8	30-Sep-21	02-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	30-Sep-21	30-Sep-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI13043	0.05	30-Sep-21	30-Sep-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21J0010-01) Collected: 01-Oct-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10135	1.8	01-Oct-21	03-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10135	1.8	01-Oct-21	03-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	01-Oct-21	01-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21J0019-01) Collected: 02-Oct-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10234	1.8	02-Oct-21	04-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10234	1.8	02-Oct-21	04-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	02-Oct-21	02-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21J0024-01) Collected: 03-Oct-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10337	1.8	03-Oct-21	05-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10337	1.8	03-Oct-21	05-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	04-Oct-21	04-Oct-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**0.12 mg/l**	

Respectfully Submitted,

Steve Jefferson 10/5/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 05-Oct-21 13:49
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,

Steve Jefferson 10/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0604

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	9-26-21	950	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	T.O / 22.3°C
	9-26-21	945	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	9-26-21	10:00
Received by		Juan V. (PCL)	9/26/21	10:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	9/26/21	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 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.#: 21I0623

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	09/27/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.89/19.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 27 2021
By

Geotracker EDD:
Logcode: IPCI
GlobalID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/27/21	1140
Received by		MARIO SANTIESTEBAN (PCL)	9/27/21	1422
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/27/21	1530
Received by				
Relinquished by				
Received in lab by		SEP 27 2021		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.

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 R-M 21I0659
Sample I.D.#: ~~21I0644~~

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	9-28-21	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 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	9-28-21	1115
Received by		Richard Vardel IPC	9/28/21	1120
Relinquished by		Richard Martinez IPC	9/28/21	1210
Received by				
Relinquished by				
Received in lab by		SEP 28 2021		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
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21I0714

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/29/21	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	

SEP 29 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/29/21	11:30
Received by		Richard Martinez 2d	9/29/21	1330
Relinquished by		Richard Martinez 2d	9/29/21	1530
Received by				
Relinquished by				
Received in lab by		SEP 29 2021		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.

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.#: 21I0724

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	9/30/21	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8/10.0/26.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.40/26.4°C

SEP 30 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/30/21	17:00
Received by:	Armando Olmos IPC	9/30/21	12:00
Relinquished by:	Armando Olmos IPC	9/30/21	13:10
Received by:			
Relinquished by:			
Received in lab by:	SEP 30 2021		1310

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
(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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0010

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	10/1/21	1130	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
OCT 01 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	10/1/21	1140
Received by	Jonathan V. (PCL)	10/1/21	1201
Relinquished by	Jonathan V. (PCL)	10/1	16:07
Received by			
Relinquished by			
Received in lab by		OCT 01 2021	1607

Sample Received Checklist

Temperature upon receipt: ypc

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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.#: 21J0019

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
Sampled by: Jose Avelos
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/21	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 Avelos	Jesus Avelos (IPC)	10/02/21	10:55
Received by:	Richard Martinez FA	10/02/21	10:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez SCL	10/2/21	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
Grab
Comp

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

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

Preservations
HC - HCl
HS - 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.#: 21J0024

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: (MCC) Daily EFF
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	10/2/21	935	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 25.6°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	E. MORRIS IPC	10/3/21	9:50
Received by	Juan V. (PCL)	10/3/21	9:50
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	10/3/21	10:46

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	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 05-Oct-21 14:31
Subject: (MCC) Weekly INF

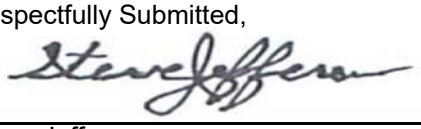
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21I0711-01) Collected: 28-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI13041	1	30-Sep-21	01-Oct-21	**151 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI13026	2	30-Sep-21	05-Oct-21	**470 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 10/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0711

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 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
INF	9/28/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
SEP 29 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre	9/29/21	11:30
Received by		Richard Martinez BC	9-29-21	1330
Relinquished by		Richard Martinez BC	9/29/21	1530
Received by				
Relinquished by				
Received by			SEP 29 2021	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.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-21 14:29
Subject: (MCC) Weekly EFF

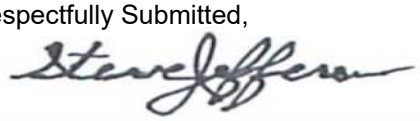
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0702-01) Collected: 29-Sep-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AI13041	1	30-Sep-21	01-Oct-21	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AI13032	0.10	30-Sep-21	30-Sep-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AI13024	0.50	30-Sep-21	30-Sep-21	**1.67 mg/l**	
Nitrite as N	EPA 353.2	AI13024	0.05	30-Sep-21	30-Sep-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ10130	0.10	01-Oct-21	02-Oct-21	**1.47 mg/l**	
EFF (Sample I.D.# : 21I0702-02) Collected: 28-Sep-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AI13026	2	30-Sep-21	05-Oct-21	**5 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 10/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0702

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly 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	9/29/21	11:21	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	
EFF	9/29/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
SEP 29 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	9/29/21	11:30
Received by	Richard Matthews Jr.	9-29-21	1330
Relinquished by	Richard Matthews Jr.	9/29/21	1530
Received by			
Relinquished by			
Received by		SEP 29 2021	1530

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

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

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

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com
www.rinconconsultants.com

October 30, 2021
Project No: 20-09665

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

Subject: Third Quarter 2021 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California

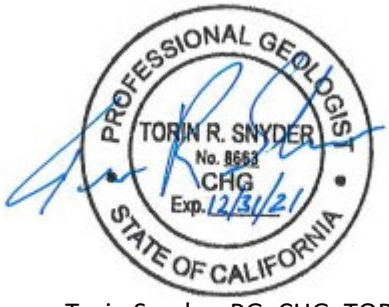
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the Third Quarter 2021 Long-Term Groundwater and Surface Water Monitoring Report for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California. The CCWTF began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was initiated.

The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts due to land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of the Third Quarter 2021 Long-Term Groundwater and Surface Water Monitoring Report.

Sincerely,
Rincon Consultants, Inc.



Kiernan Brtalik, CPSWQ, QSP/D
Environmental Scientist

Torin Snyder, PG, CHG, TOR, QSD/P
Principal

Certification

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

Executed on the 25 day of October at Malibu City Hall

Yolanda Rudy
Signature

Environmental Sustainability Director/ Building Official
Title



Malibu Civic Center Wastewater Treatment Facility

Third Quarter 2021 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

October 30, 2021

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

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 Third Quarter 2021 4
5 Groundwater Elevations and Gradients 4
5.1 Shallow Zone 5
5.2 Deep Zone 5
5.3 Winter Canyon 6
6 Water Quality Sampling Analysis 6
6.1 Surface Water 7
6.2 Groundwater 8
6.3 Analytical Laboratory QA/QC 10
7 Scheduled Activities for the Fourth Quarter of 2021 10
8 Summary of Monitoring Activities 11
8.1 Groundwater Elevations 11
8.2 Surface Water Quality 11
8.3 Groundwater Quality 11
9 Limitations 12
10 References 12

Tables

Table 1 Groundwater Elevations
Table 2 Long-Term Groundwater and Surface Water Analytical Matrix
Table 3 Surface Water Analytical Results
Table 4 Groundwater Analytical Results

Figures

Figure 1 Vicinity Map
Figure 2 Site Map – Monitoring Network
Figure 3 Shallow Groundwater Elevations August 2021
Figure 4 Shallow Groundwater Elevations September 2021
Figure 5 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 third quarter of 2021 for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California (Figure 1). The CCWTF began discharging treated wastewater in the third quarter of 2018, triggering Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu (Figure 2). The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Recycled Water in the Prohibition area in conformance with California Code of Regulations, Title 22
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following activation of the CCWTF operations, baseline monitoring activities (Task I) were completed and long-term monitoring activities (Task II) were triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

The basin-wide long-term monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks were designed to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of this task was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells and surface water quality at 10 locations on a quarterly basis. Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of samples collected for a given quarter may be reduced from nine to seven groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds.

The objective of long-term monitoring is to identify impacts, if any, that land disposal of recycled water, via injection and landscape irrigation or percolation, have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells were chosen to provide adequate spatial and vertical coverage of the basin near the CCWTF injection to monitor for potential adverse impacts. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program builds upon the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at 16 groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City of Malibu and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City of Malibu has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen groundwater wells located in the City of Malibu's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109-square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (Department of Water Resources [DWR] groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is underlain by non-water-bearing Tertiary age rocks.

Water bearing geologic formations in the Malibu Valley Groundwater Basin include Holocene alluvium, consisting of clays, silts, sands, and gravels overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to about 175 feet in the central part of the main body of the alluvium. The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-

grained estuarine deposits, and 3) an underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 2000, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 20 feet below grade and is deeper in the upland canyon areas.

4 Completed Activities During Third Quarter 2021

The following activities were completed during the third quarter of 2021:

- Rincon measured depth to water in groundwater monitoring wells on August 16 and 17 and September 15, 2021 (Task V)
- Rincon collected and analyzed groundwater samples for WDR/MRP (Task II), SNMP (Task III), and MOU (Task IV) compliance on August 17, 18, and 19, 2021
- Rincon collected and analyzed surface water samples for WDR/MRP (Task II) compliance on August 18, 2021

5 Groundwater Elevations and Gradients

During August and September 2021, Rincon mobilized to 42 groundwater monitoring wells to measure the depth to water using an electronic water level indicator (summarized in the table below; also see Table 1 and Appendix A). Depth to water measurements were not collected in July due to equipment failure and scheduling conflicts.

Groundwater Monitoring Locations

Shallow Zone (32 wells)[1]				
C-1	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	M6-1	M6-2
M7-1	M7-2	MBCMW-5[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[3]	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] MCBMW-5 was dry during each month of the third quarter 2021 monitoring period

[3] SMBRP-15B has been dry as of the first monitoring event in August 2015

5.1 Shallow Zone

Groundwater elevation measurements from each shallow monitoring well are included in Table 1 and shown on Figures 3, 4, and 5. The following table summarizes the shallow groundwater elevation ranges observed during the third quarter of 2021, changes in elevation compared to the second quarter of 2021, and historical groundwater elevation range.

Summary of Groundwater Elevations – Shallow Zone

3rd Quarter 2021			2nd Quarter 2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
3.61 (MCWP-MW08)	20.07 (SMBRP-8)	7.54	2.58 (MCWP-MW08)	20.67 (SMBRP-8)	8.01	1.09 (CCPE, 05/2020)	25.38 (SMBRP-8, 05/2017)

Changes from August to September 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
12	-3.52 (CCW-4)	-0.71	13	1.22 (SMBRP-12)	0.31	-0.18

Note: Elevations reported 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 and 4).

Summary of Groundwater Gradients

Month	Gradient (feet per foot)	Flow Direction
August	0.0034	South-southeast
September	0.0025	South-southeast

5.2 Deep Zone

Groundwater elevation measurements from each deep monitoring well are included in Table 1. The following table summarizes the deep groundwater elevation ranges observed in the third quarter of 2021, changes in elevation compared to the second quarter of 2021, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

3rd Quarter 2021			2nd Quarter 2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
4.36 (MCWP-MW07D)	10.51 (MCWP-MW09)	6.19	4.77 (MCWP-MW07D)	10.39 (MCWP-MW09)	9.87	4.09 (MCWP-MW07D, 12/2017)	11.55 (MCWP-MW09, 12/2015)

Changes from August to September 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
7	-0.91 (MCWP-MW09)	-0.45	1	0.090	–	-0.38

Note: Elevations reported 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 third quarter of 2021, changes in elevation compared to the second quarter of 2021, and historical groundwater elevation ranges.

Summary of Groundwater Elevations – Winter Canyon

3rd Quarter 2021			2nd Quarter 2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
8.65 (SMBRP-11)	45.60 (LAMW-5S)	27.09	9.94 (SMBRP-11)	46.45 (LAMW-5S)	28.06	8.65 (SMBRP-11, 08/2021)	58.65 (LAMW-5S, 03/2019)

Changes from August to September 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
–	–	–	2	0.87 (LAMW-5S)	0.79	0.79

Note: Elevations reported in feet above mean sea level

6 Water Quality Sampling Analysis

This section presents laboratory analytical results for samples collected during the third quarter 2021 monitoring event. Included below are the constituents required by the WDR for surface water monitoring, and which are also analyzed in groundwater samples. This includes total and fecal coliform, nitrate as nitrogen, nitrite as nitrogen, organic nitrogen, ammonia, total Kjeldahl nitrogen (TKN), and total phosphorous. Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone. A schematic of this process is provided as Figure 5.

Surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The laboratory analytical results for the third quarter 2021 monitoring event are provided in Table 3 and Table 4. Analytical laboratory reports are included as Appendix B of this report.

6.1 Surface Water

A total of 10 surface water samples were collected on August 18, 2021. Four ocean water samples were collected from the Near Shore sampling locations (N-001 through N-004) and six surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006) in accordance with the WDR/MRP (Task II) monitoring requirements, as summarized in the table below.

Surface Water Sampling Locations

Near Shore Ocean	Malibu Lagoon and Creek
N-001	L-001
N-002	L-002
N-003	L-003
N-004	L-004
	L-005
	L-006

Sampling Methodology

The Near Shore ocean water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep). Surface water samples from Malibu Lagoon and Creek monitoring locations were collected from each location at a depth of approximately 12 inches below the surface of the water.

All surface water samples were collected up-current of sampling personnel to minimize potential contamination of surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy Analytical (Enthalpy), a California-accredited analytical laboratory located in Orange, California. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy under chain-of-custody documentation.

Laboratory Analyses

Near Shore

The following table summarizes constituent detections in surface water samples collected from the four Near Shore sampling locations. This table presents the number of samples detected above the laboratory detection limit (RDL), the minimum and maximum concentrations detected above the RDL, and average concentration for each detected constituent.[1]

[1] Averages throughout this report are calculated using the upper detection limit value for results that exceeded the upper detection limit and half of the RDL for results that were not detected.

Summary of Detected Concentrations in Surface Water – Near Shore

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	4	610 (N-003)	2,400 (N-002, N-004)	1,853	MPN/100 mL
Fecal Coliform	0	–	–	–	MPN/100 mL
Nitrate as Nitrogen	0	–	–	–	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	4	0.39 (N-004)	1.1 (N-001)	0.59	mg/L
Ammonia Nitrogen	0	–	–	–	mg/L
Total Kjeldahl Nitrogen	4	0.39 (N-004)	1.1 (N-001)	0.59	mg/L
Total Phosphorous	4	0.019 (N-003)	0.28 (N-001)	0.093	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

Malibu Lagoon and Creek

The following table summarizes constituent detections in surface water samples collected from the six Malibu Lagoon and Creek monitoring locations.

Summary of Detected Concentrations in Surface Water – Malibu Lagoon and Creek

Constituent	Number Detected	Minimum Detected	Maximum Detected	Average	Units
Total Coliform	6	–	2,400 (L-001 to L-006)	2,400	MPN/100 mL
Fecal Coliform	6	–	2,400 (L-001 to L-006)	2,400	MPN/100 mL
Nitrate as Nitrogen	1	–	0.28 (L-002)	0.088	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	6	0.57 (L-002)	2.3 (L-001)	0.99	mg/L
Ammonia Nitrogen	6	0.076 (L-003)	0.18 (L-001)	0.12	mg/L
Total Kjeldahl Nitrogen	6	0.67 (L-002)	2.5 (L-001)	1.1	mg/L
Total Phosphorous	5	0.029 (L-006)	0.25 (L-001)	0.072	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.2 Groundwater

A total of 15 groundwater monitoring wells were sampled during the third quarter of 2021 in accordance with the WDR/MRP (Task II), SNMP (Task III), and MOU (Task IV) monitoring requirements. A sample was not collected from MBWMW-9 due to an insufficient recovery of water from the well during the purging process.

Groundwater Sampling Locations

Well ID	Zone	Task	Sampling Frequency
SMBRP-9	Shallow	II, III, IV	Quarterly
SMBRP-12	Shallow	II, III, IV	Quarterly
MCWP-MW04S	Shallow	II, III, IV	Quarterly
MCWP-MW07S	Shallow	II, III, IV	Quarterly
MCWP-MW04D	Deep	II, III, IV	Quarterly
MCWP-MW07D	Deep	II, III, IV	Quarterly
MCWP-MW09	Deep	II, III, IV	Quarterly
SMBRP-11	Winter Canyon	II, III, IV	Quarterly
LAMW-5S	Winter Canyon	II, III, IV	Quarterly
CCPE	Shallow	III, IV	Semi-Annually
SMBRP-7B	Shallow	III, IV	Semi-Annually
SMBRP-13	Shallow	III, IV	Semi-Annually
MBCMW-9	Shallow	III, IV	Semi-Annually
MCWP-MW10	Shallow	III, IV	Semi-Annually
MCWP-MW05	Deep	III	Semi-Annually
MCWP-MW06	Deep	III	Semi-Annually

Sampling Methodology

Prior to sampling, a minimum of three casing volumes were purged from each well using a submersible pump or by hand bailing. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10 percent or until the well purged dry, whichever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water were stored in a 100-gallon and 250-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWTF.

Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to Enthalpy. Field data sheets are included in Appendix A.

Laboratory Analyses

The following table summarizes constituent detections in groundwater samples collected in the third quarter of 2021. For comparison, this table presents results for constituents also analyzed for in surface water samples. In addition to those constituents, total dissolved solids (TDS), which represents the total concentration of dissolved substances in water and are commonly associated

with OWDS effluent, is presented below. For a complete list of analytical results from groundwater samples, please refer to Appendix B.

Summary of Detected Concentrations in Groundwater

Constituent	Number Analyzed	Number Detected	Minimum Detected	Maximum Detected	Average	Unit
Total Coliform	13	11	2.0 (MCWP-MW10 and SMBRP-13)	2,000 (SMBRP-9)	338	MPN/ 100 mL
Fecal Coliform	13	8	1.0 (MCWP-MW07S and CCPE)	7.5 (SMBRP-9)	2.0	MPN/ 100 mL
Nitrate as Nitrogen	15	9	0.19 (SMBRP-7B)	14 (LAMW-5S)	1.9	mg/L
Nitrite as Nitrogen	13	0	–	–	–	–
Organic Nitrogen	6	6	0.12 (CCPE)	0.40 (LAMW-5S and SMBRP-11)	0.28	mg/L
Ammonia Nitrogen	13	9	0.043 (MCWP-MW04D)	5.3 (SMBRP-12)	0.83	mg/L
Total Kjeldahl Nitrogen	13	13	0.12 (CCPE)	7.6 (SMBRP-12)	1.36	mg/L
Total Phosphorous	13	13	0.047 (SMBRP-11)	7.9 (LAMW-5S)	0.82	mg/L
Total Dissolved Solids	15	15	670 (MCWP-MW07D)	9,700 (CCPE)	2,801	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. QC flags are also shown in the notes column of the analytical reports. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables) are addressed as part of the case narrative.

7 Scheduled Activities for the Fourth Quarter of 2021

The following activities will be completed during the fourth quarter of 2021:

- Prepare and submit this Third Quarter 2021 Long-Term Groundwater and Surface Water Monitoring Report to the LARWQCB
- Collect and analyze groundwater and surface water samples for WDR/MRP (Task II) compliance
- Measure depth to water in the groundwater monitoring wells in October, November, and December 2021 (Task V)

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the third quarter of 2021, groundwater elevations decreased in 48 percent of shallow wells (12 out of 25 wells), decreased in all but one deep well, and increased in the two Winter Canyon wells, with a total average decrease of 0.17 feet.

8.2 Surface Water Quality

The maximum total coliform concentration in the Near Shore exceeded the upper detection limit of 2,400 MPN/100 mL in N-002 and N-004. Total coliform concentrations in Malibu Lagoon and Creek exceeded the upper detection limit of 2,400 MPN/100 mL in each of the six sampling locations. Surface water samples showed an overall increase of total coliform compared to the second quarter of 2021, with an average increase of 333 MPN/100 mL.

Fecal coliform was not detected the Near Shore samples. In Malibu Lagoon and Creek locations, fecal coliform concentrations exceeded or met the upper detection limit of 2,400 MPN/100 mL. Surface water samples collected from the Malibu Lagoon and Creek locations showed an average increase of 2,325 MPN/100 mL compared to the second quarter of 2021 (75 MPN/100 mL).

Nitrate as nitrogen and nitrite as nitrogen were not detected in any Near Shore surface water samples. Nitrate as nitrogen was detected in one Malibu Lagoon and Creek sample (L-002) with a concentration of 0.28 mg/L. Organic nitrogen averaged 0.59 mg/L in Near Shore samples and 0.99 mg/L in Malibu Lagoon and Creek samples. When compared to the second quarter of 2021, organic nitrogen concentrations had an average decrease of 0.42 mg/L.

Phosphorous concentrations decreased with an average concentration of 0.082 mg/L compared to the average concentration of 0.41 mg/L observed in the second quarter of 2021.

8.3 Groundwater Quality

When comparing analytical results from the second quarter of 2021 to the third quarter of 2021, note that 15 groundwater monitoring wells were sampled during the third quarter of 2021 (Task II, III, and IV), and seven wells were sampled during the second quarter of 2021 (Task II). Of the same seven wells sampled during these two periods, total coliform decreased in two monitoring wells and increased in three monitoring wells, with an average decrease of 19 MPN/100 mL compared to the second quarter of 2021. Fecal coliform concentrations increased in three wells and remained below the RDL in four wells, with an average increase of 1.5 MPN/100 mL compared to the second quarter of 2021.

When compared to the second quarter of 2021, nitrate concentrations increased in one well, decreased in four wells, and remained the same in two wells, with an average increase of 0.31 mg/L compared to the second quarter of 2021.

When compared to the second quarter of 2021, average TDS concentrations in groundwater samples increased from an average of 1,971 mg/L to 2,801 mg/L in the third quarter of 2021.

9 Limitations

This report has been prepared for and is intended for the exclusive use of the City of Malibu. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of site usage information, and the results of a limited subsurface sampling and chemical testing program. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations intermediate to the locations sampled. Furthermore, conditions may change at any location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are like those sampled.

10 References

Ambrose, Richard F. and Anthony R. Orme. 2000. Lower Malibu Creek and Lagoon Resource Enhancement and Management: Final Report to the California Coastal Conservancy.

Earth Consultants International. 2000. IOKI and Chili Cookoff Parcels, Malibu, California: Civic Center Groundwater Report.

Fugro West, Inc. 2005. A Steady-State Groundwater Flow Model for the Proposed Malibu-Lapaz Ranch Development. Prepared for Sterling Capital.

GeoSoils. 1989. Response to County of Los Angeles Geologic Review of 18.4 Acre Parcel NW of Cross Creek Road and Civic Center Way. April 17.

Geosyntec Consultants. 2007. Geotechnical Site Exploration and Interpretation of Subsurface Conditions, Malibu Legacy Park Site, Malibu, California. Report prepared for RMC Water and Environment. July 30.

Leighton and Associates, Inc. 1994. Report for Geotechnical Studies for Planning Purposes in the Civic Center Area, City of Malibu, California. Volumes I and II.

Los Angeles Regional Water Quality Control Board. 2011. State of the Watershed, Report on Water Quality, the Santa Monica Bay Watershed Management Area. Second Edition. November.

_____. 2014. Memorandum of Understanding Between City of Malibu and the Regional Water Quality Control Board, Los Angeles Region and State Water Resources Control Board Regarding Phased Implementation of Basin Plan Amendment Prohibiting On-Site Wastewater Disposal Systems in the Malibu Civic Center Area.

_____. 2015. Waste Discharge Requirements / Water Recycling Requirements for Malibu Civic Center Wastewater Treatment Facility – Phase I & II.

RMC Water. 2015a. Draft Salt Nutrient and Management Plan Malibu Valley Groundwater Basin.

_____. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	8/16/2021	11.47	5.76	5.71
C-1	9/15/2021	11.47	5.50	5.97
C-2	8/16/2021	11.19	5.52	5.67
C-2	9/15/2021	11.19	5.45	5.74
CCPE	8/16/2021	12.94	6.71	6.23
CCPE	9/15/2021	12.94	6.56	6.38
CCPNE	8/16/2021	13.68	7.52	6.16
CCPNE	9/15/2021	13.68	7.25	6.43
CCPSW	8/16/2021	13.67	7.24	6.43
CCPSW	9/15/2021	13.67	6.77	6.90
CCW-4	8/16/2021	15.77	4.18	11.59
CCW-4	9/15/2021	15.77	7.70	8.07
GH6-M1	8/17/2021	-	29.41	-
GH6-M1	9/15/2021	-	29.62	-
GH8-M3	8/17/2021	40.21	28.70	11.51
GH8-M3	9/15/2021	40.21	28.98	11.23
GH9-M4	8/16/2021	-	Buried	-
GH9-M4	9/15/2021	-	Buried	-
M6-1	8/17/2021	-	7.70	-
M6-1	9/15/2021	-	7.69	-
M6-2	8/17/2021	-	6.55	-
M6-2	9/15/2021	-	6.60	-
M7-1	8/17/2021	-	9.44	-
M7-1	9/15/2021	-	9.56	-
M7-2	8/16/2021	-	8.98	-
M7-2	9/15/2021	-	9.20	-
MBCMW-5	8/16/2021	19.40	Dry	-
MBCMW-5	9/15/2021	19.40	Dry	-
MBCMW-7	8/16/2021	16.64	12.43	4.21
MBCMW-7	9/15/2021	16.64	12.40	4.24
MBCMW-8	8/16/2021	16.53	9.52	7.01
MBCMW-8	9/15/2021	16.53	9.58	6.95
MBCMW-9	8/16/2021	17.71	6.02	11.69
MBCMW-9	9/15/2021	17.71	9.18	8.53

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	8/16/2021	17.74	9.87	7.87
MBCMW-10	9/15/2021	17.74	9.80	7.94
MCWP-MW04S	8/16/2021	15.29	7.93	7.36
MCWP-MW04S	9/15/2021	15.29	7.99	7.30
MCWP-MW07S	8/16/2021	13.72	6.49	7.23
MCWP-MW07S	9/15/2021	13.72	6.42	7.30
MCWP-MW08	8/16/2021	12.21	8.18	4.03
MCWP-MW08	9/15/2021	12.21	8.60	3.61
MCWP-MW10	8/16/2021	11.11	6.65	4.46
MCWP-MW10	9/15/2021	11.11	6.42	4.69
P-4	8/16/2021	12.16	5.65	6.51
P-4	9/15/2021	12.16	5.40	6.76
P-9	8/16/2021	12.17	6.49	5.68
P-9	9/15/2021	12.17	5.78	6.39
SMBRP-2	8/16/2021	13.13	6.66	6.47
SMBRP-2	9/15/2021	13.13	6.75	6.38
SMBRP-6	8/16/2021	26.88	19.06	7.82
SMBRP-6	9/15/2021	26.88	19.25	7.63
SMBRP-7B	8/16/2021	18.99	13.80	5.19
SMBRP-7B	9/15/2021	18.99	13.90	5.09
SMBRP-8 (EC1-RC-MW01)	8/16/2021	48.69	28.62	20.07
SMBRP-8 (EC1-RC-MW01)	9/15/2021	48.69	28.85	19.84
SMBRP-9	8/16/2021	50.32	38.08	12.24
SMBRP-9	9/15/2021	50.32	38.44	11.88
SMBRP-10C	8/16/2021	16.25	Removed	-
SMBRP-10C	9/15/2021	16.25	Removed	-
SMBRP-12	8/16/2021	12.62	7.13	5.49
SMBRP-12	9/15/2021	12.62	5.91	6.71
SMBRP-13	8/16/2021	13.58	8.24	5.34
SMBRP-13	9/15/2021	13.58	7.99	5.59
SMBRP-15B	8/16/2021	16.77	Dry	-
SMBRP-15B	9/15/2021	16.77	Dry	-
SMBRP-16	8/16/2021	14.50	5.76	8.74
SMBRP-16	9/15/2021	14.50	5.87	8.63

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	8/16/2021	17.90	11.14	6.76
MCWP-MW01	9/15/2021	17.90	11.43	6.47
MCWP-MW02	8/16/2021	18.06	10.97	7.09
MCWP-MW02	9/15/2021	18.06	11.61	6.45
MCWP-MW03	8/16/2021	15.31	8.38	6.93
MCWP-MW03	9/15/2021	15.31	9.00	6.31
MCWP-MW04D	8/16/2021	15.43	10.55	4.88
MCWP-MW04D	9/15/2021	15.43	10.62	4.81
MCWP-MW05	8/16/2021	13.92	8.99	4.93
MCWP-MW05	9/15/2021	13.92	8.90	5.02
MCWP-MW06	8/16/2021	16.05	11.10	4.95
MCWP-MW06	9/15/2021	16.05	11.11	4.94
MCWP-MW07D	8/16/2021	13.21	8.23	4.98
MCWP-MW07D	9/15/2021	13.21	8.85	4.36
MCWP-MW09	8/16/2021	16.30	5.79	10.51
MCWP-MW09	9/15/2021	16.30	6.70	9.60

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	8/17/2021	104.55	59.82	44.73
LAMW-5S	9/15/2021	104.55	58.95	45.60
SMBRP-11	8/17/2021	18.35	9.70	8.65
SMBRP-11	9/15/2021	18.35	8.98	9.37

Notes:

Elevations measured in feet above mean sea level

Two shallow wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

-: No data available

ft bTOC: Feet below top of well casing

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*[3]	*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*[3]	*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*[3]	*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	8/18/2021	= **2,000**	< 1.0	< 0.10	< 5.0	= **1.1**	< 0.1	= **1.1**	= **0.28**
Near Shore	Ankle Depth	N-002	8/18/2021	> **2,400**	< 1.0	< 0.10	< 5.0	= **0.45**	< 0.10	= **0.45**	= **0.031**
Near Shore	Ankle Depth	N-003	8/18/2021	= **610**	< 1.0	< 0.10	< 5.0	= **0.40**	< 0.10	= **0.40**	= **0.019 J**
Near Shore	Ankle Depth	N-004	8/18/2021	> **2,400**	< 1.0	< 0.10	< 5.0	= **0.39**	< 0.10	= **0.39 J**	= **0.043**
Malibu Lagoon and Creek	1 foot BSW	L-001	8/18/2021	> **2,400**	> **2,400**	< 0.10	< 2.0	= **2.3**	= **0.18**	= **2.5**	= **0.25**
Malibu Lagoon and Creek	1 foot BSW	L-002	8/18/2021	> **2,400**	= **2,400**	= **0.28**	< 2.0	= **0.57**	= **0.10**	= **0.67**	= **0.065**
Malibu Lagoon and Creek	1 foot BSW	L-003	8/18/2021	> **2,400**	> **2,400**	< 0.10	< 2.0	= **0.62**	= **0.076 J**	= **0.70**	= **0.033**
Malibu Lagoon and Creek	1 foot BSW	L-004	8/18/2021	> **2,400**	> **2,400**	< 0.10	< 2.0	= **0.85**	= **0.085 J**	= **0.93**	= **0.047**
Malibu Lagoon and Creek	1 foot BSW	L-005	8/18/2021	> **2,400**	> **2,400**	< 0.10	< 2.0	= **0.96**	= **0.14**	= **1.1**	< 0.020
Malibu Lagoon and Creek	1 foot BSW	L-006	8/18/2021	> **2,400**	> **2,400**	< 0.10	< 2.0	= **0.65**	= **0.11**	= **0.76**	= **0.029**

Notes:

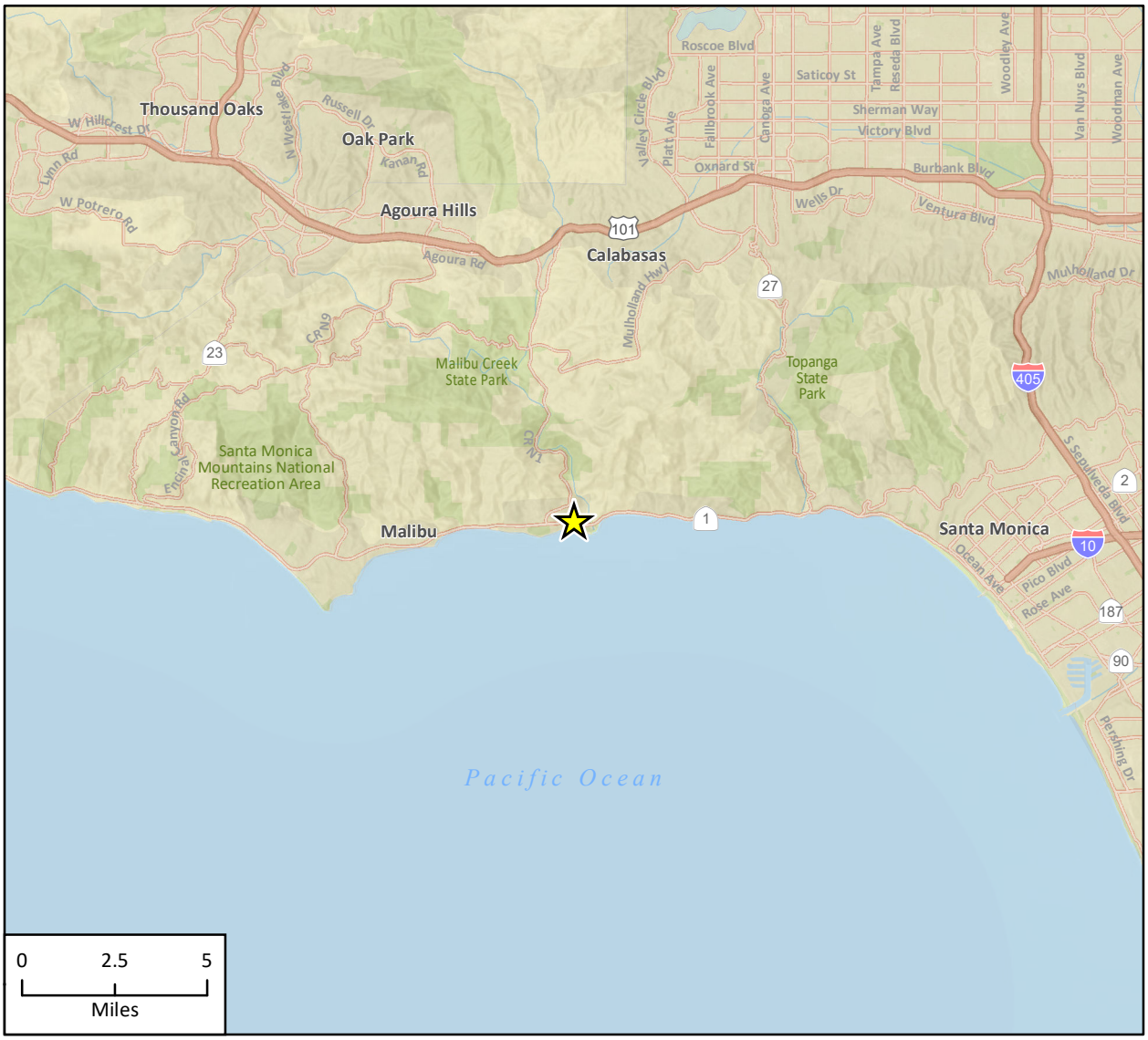
bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
BSW: Below surface of water
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters

Table 4
Groundwater Analytical Results

Well ID	Well Depth (feet bgs)	Sample Date	Coliform Bacteria (MPN/100 mL)		Inorganic Analyses (mg/L)										
			Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73	8/17/2021	= **1,400**	= **3.1**	= **14**	< 0.10	= **0.40**	= **0.38**	= **0.78 J**	-	= **7.9**	-	-	= **940**	-
SMBRP-7B	25	8/17/2021	= **13**	= **3.1**	= **0.19**	< 0.10	= **0.22**	< 0.10	= **0.22**	-	= **0.28**	-	-	= **2,500**	-
SMBRP-9	45	8/18/2021	= **2,000**	= **7.5**	= **4.4**	< 0.10	-	< 0.10	= **0.39 J**	-	= **0.25**	= **0.55**	= **190**	= **1,200**	= **130**
SMBRP-11	20	8/19/2021	= **9.8**	< 1.0	= **1.7**	< 0.10	= **0.40**	= **0.90**	= **1.3**	-	= **0.047**	-	-	= **1,600**	-
SMBRP-12	25	8/18/2021	= **220**	< 1.0	< 0.10	< 0.10	-	= **5.3**	= **7.6**	-	= **0.26**	= **0.85**	= **480**	= **2,600**	= **930**
SMBRP-13	19	8/18/2021	= **2.0**	= **3.1**	< 0.10	< 0.10	= **0.28**	= **0.13**	= **0.34**	-	= **0.21**	-	-	= **2,200**	-
MCWP-MW04S	20	8/17/2021	= **440**	= **2.0**	= **0.55**	< 0.10	-	= **0.063**	= **1.2**	-	= **0.58**	= **2.1**	= **1,700**	= **5,800**	= **530**
MCWP-MW04D	145	8/18/2021	< 1.0	< 1.0	= **1.2**	< 0.10	-	= **0.043**	= **0.36 B,J**	-	= **0.055**	= **0.85**	= **550**	= **1,600**	= **240**
MCWP-MW05	154	8/19/2021	-	-	= **1.8**	-	-	-	-	-	-	-	-	= **1,400**	-
MCWP-MW06	138	8/19/2021	-	-	< 0.10	-	-	-	-	-	-	-	-	= **1,500**	-
MCWP-MW07S	20	8/17/2021	= **250**	= **1.0**	= **4.2**	< 0.10	-	= **0.14**	= **0.35 B,J**	-	= **0.37**	= **0.35**	= **260**	= **1,200**	= **210**
MCWP-MW07D	134	8/17/2021	= **5.2**	= **3.0**	< 0.10	< 0.10	-	= **0.49**	= **1.3**	-	= **0.39**	= **0.22**	= **160**	= **670**	= **180**
MCWP-MW09	89	8/17/2021	< 1.0	< 1.0	< 0.10	< 0.10	-	= **3.2**	= **3.5**	-	= **0.19**	= **0.94**	= **680**	= **3,600**	= **1,400**
MCWP-MW10	22	8/18/2021	= **2.0**	< 1.0	< 0.10	< 0.50	= **0.24**	< 0.10	= **0.24 B,J**	-	= **0.11**	-	-	= **5,500**	-
CCPE	53	8/19/2021	= **50**	= **1.0**	= **0.42**	< 0.50	= **0.12**	< 0.10	= **0.12 J**	-	= **0.057**	-	-	= **9,700**	-

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters
B: Contamination found in associated method blank
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL

Figures



Project Location

N



Vicinity Map

Figure 1

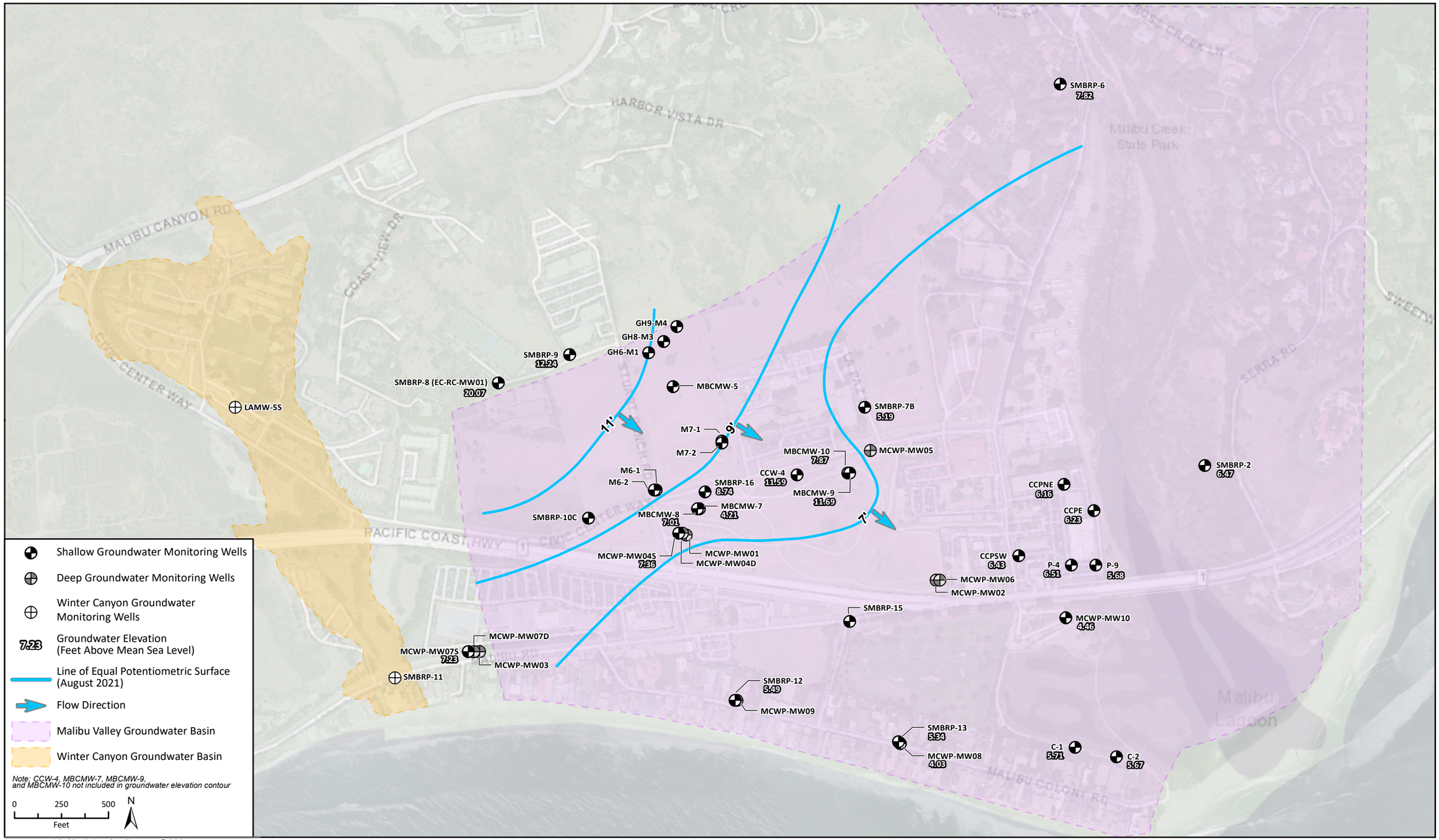


Imagery provided by Esri and its licensors © 2021.

Site Map - Monitoring Network

Figure 2

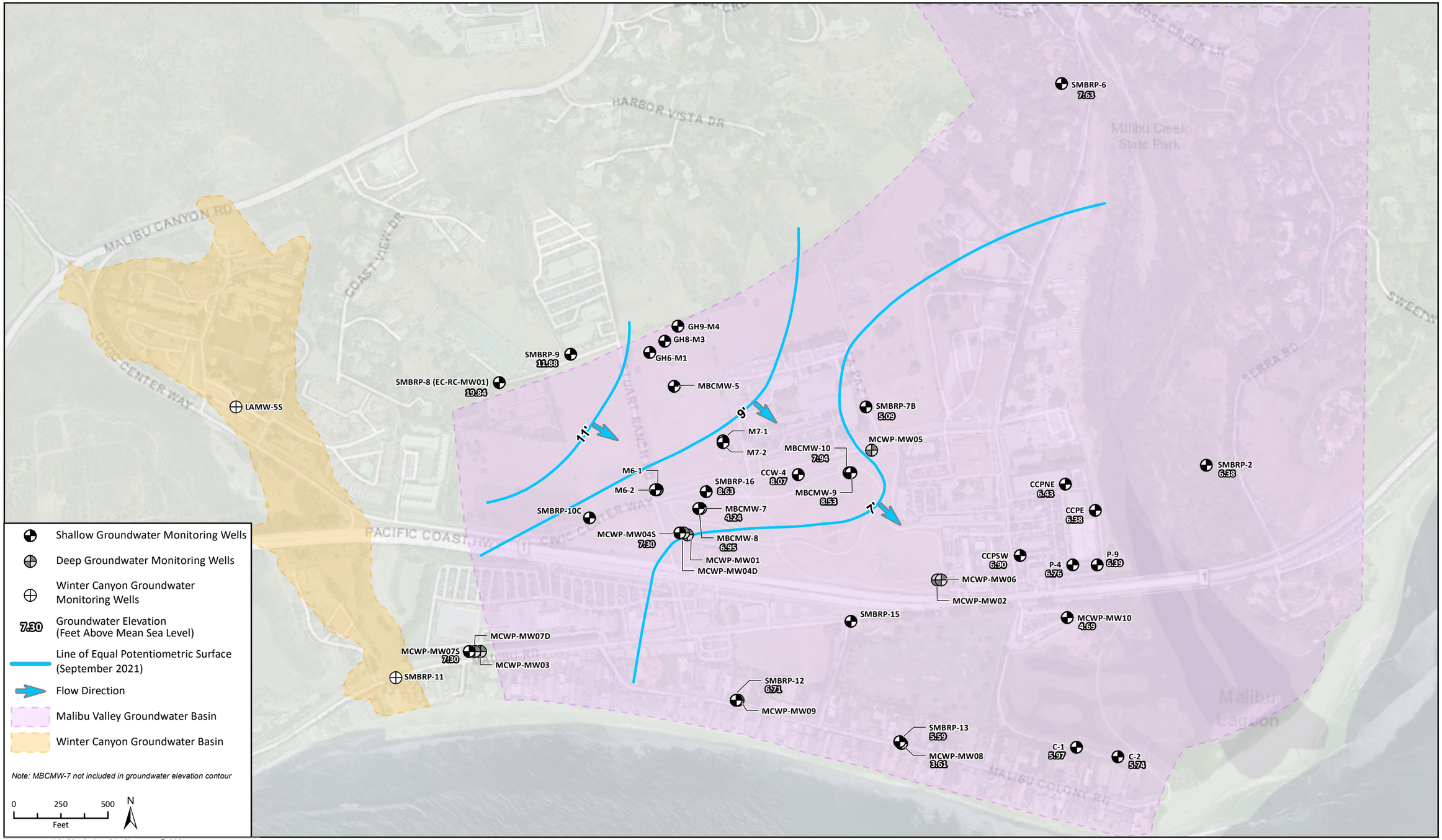
Rincon Consultants Inc.



Imagery provided by Esri and its licensors © 2021.

Shallow Groundwater Elevation - August 2021

Figure 3

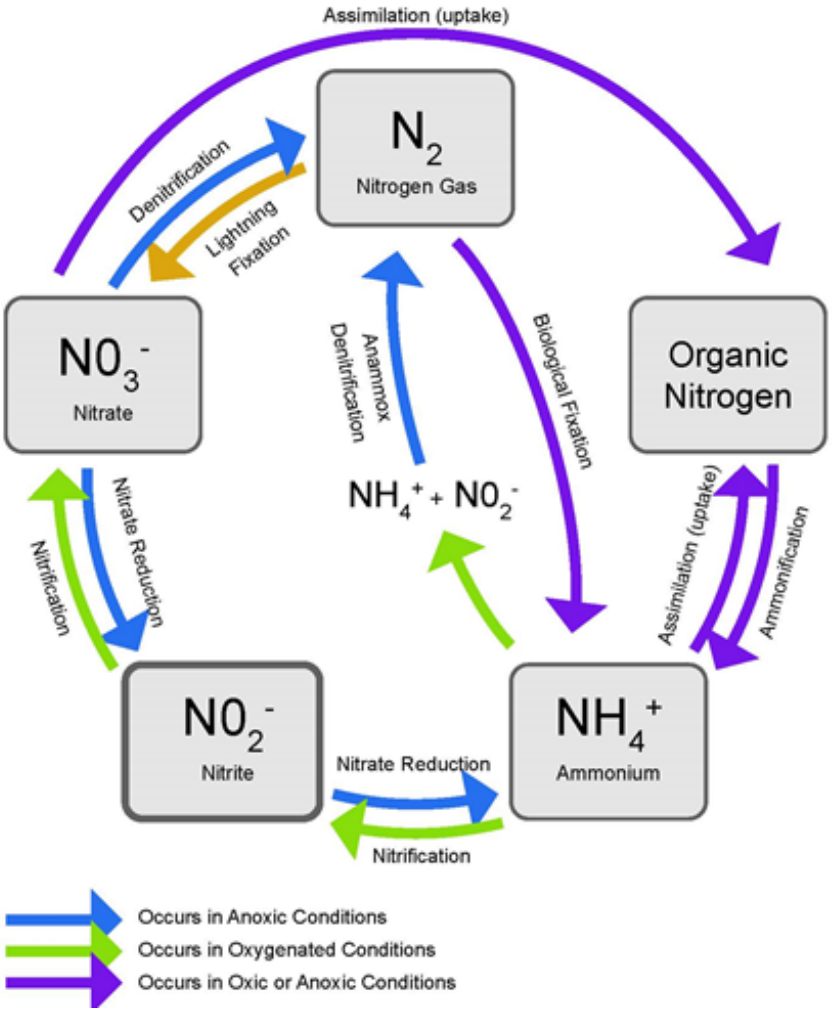


Imagery provided by Esri and its licensors © 2021.

Shallow Groundwater Elevation - September 2021

Figure 4

Rincon Consultants Inc.



The Nitrogen Cycle Figure 5

Appendix A

Groundwater and Surface Water Field Sheets

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	Third Quarter
Project:	Malibu CCWTF	**Date:**	August 16-17, 2021
Location:	Malibu, CA	**Measured By:**	MD

Well ID	**Total Well Depth** (ft bTOC)		**Well Diameter** (in)	**Depth to Water** (ft bTOC)	**Time**	**Notes/ Well Condition**
	Historical	Measured				
C-1	11.47		2	5.76	13:42	Tuesday
C-2	14.20		2	5.52	13:04	
CCPE	52.70		2	6.71	10:41	
CCPNE	24.10		2	7.52	10:36	
CCPSW	19.90		2	7.24	10:24	
CCW-4	12.30		1	4.18	09:55	
GH6-M1	35.20		2	29.41	09:20	Tuesday
GH8-M3	40.21		2	28.7	09:25	Tuesday
GH9-M4	44.29	-	2	N/A	-	Well has been buried
LAMW-5S	104.55		4	59.82	10:00	Tuesday
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
M6-1	45.30		2	7.7	09:45	Tuesday
M6-2	19.40		2	6.55	09:46	Tuesday
M7-1	39.35		2	9.44	09:39	Tuesday
M7-2	19.60		2	8.98	09:40	Tuesday
MBCMW-5	19.40		N/A	Dry	09:31	Tuesday
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	12.43	09:30	
MBCMW-8	11.95		2	9.52	09:33	
MBCMW-9	17.71		2	6.02	13:10	
MBCMW-10	51.75		2	9.87	10:11	
MCWP-MW01	152.88		6	11.14	13:46	overgrown, cleared brush to access
MCWP-MW02	148.20		6	10.97	15:08	
MCWP-MW03	136.65		6	8.38	14:46	
MCWP-MW04D	149.20		4	10.55	13:40	
MCWP-MW04S	15.29		4	7.93	11:30	
MCWP-MW05	154.40		4	8.99	10:05	
MCWP-MW06	16.05		2	11.10	10:30	
MCWP-MW07S	17.22		2	6.49	14:45	
MCWP-MW07D	129.60		2	8.23	14:46	
MCWP-MW08	79.38		2	8.18	14:39	
MCWP-MW09	89.60		2	5.79	14:29	
MCWP-MW10	11.11		2	6.65	14:00	
P-4	14.57		4	5.65	11:03	
P-9	13.90		4	6.49	11:00	
SMBRP-2	24.88		2	6.66	11:24	
SMBRP-6	23.45		2	19.06	11:41	
SMBRP-7b	18.99		2	13.80	12:13	
SMBRP-8 (EC-RC-MW01)	40.46		4	28.62	08:57	
SMBRP-9	45.40		2	38.08	09:05	Black widow nest in well
SMBRP-10C	16.25		N/A	-	-	Removed
SMBRP-11	18.35			9.70	12:25	
SMBRP-12	24.88		2	7.13	14:29	
SMBRP-13	19.48		2	8.24	14:39	
SMBRP-15	25.00		1	-	-	Dry
SMBRP-16	25.00		2	5.76	09:26	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	September
Project:	Malibu CCWTF	**Date:**	September 15, 2021
Location:	Malibu, CA	**Measured By:**	Peter Doran

Well ID	**Total Well Depth** (ft bTOC)		**Well Diameter** (in)	**Depth to Water** (ft bTOC)	**Time**	**Notes/ Well Condition**
	Historical	Measured				
C-1	14.50		N/A	5.50	11:20	
C-2	14.20		2	5.45	11:25	
CCPE	52.70		2	6.56	11:00	
CCPNE	24.10		2	7.25	11:05	
CCPSW	19.90		2	6.77	11:10	
CCW-4	12.30		1	7.70	09:22	
GH6-M1	35.20		2	29.62	09:56	
GH8-M3	40.21		2	28.98	09:55	
GH9-M4	44.29	-	2	N/A	-	Well has been buried
Lagoon	N/A	-	N/A	N/A	-	Well has been removed
LAMW-5S	73.43		4	58.95	09:10	
M6-1	45.30		2	7.69	09:19	
M6-2	19.40		2	6.60	09:20	
M7-1	39.35		2	9.56	21:45	
M7-2	19.60		2	9.20	09:45	
MBCMW-5	19.40	18.25	N/A	-	09:50	Dry
MBCMW-6	64.26	-	N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	12.40	09:15	
MBCMW-8	11.95		2	9.58	09:15	
MBCMW-9	9.25		2	9.18	10:22	
MBCMW-10	51.75		2	9.80	10:23	
MCWP-MW01	152.88		6	11.43	11:44	
MCWP-MW02	148.20		6	11.61	11:39	
MCWP-MW03	136.65		6	9.00	12:00	
MCWP-MW04S	20.45		4	7.99	11:48	
MCWP-MW04D	149.20		4	10.62	11:45	
MCWP-MW05	154.40		4	8.90	10:26	
MCWP-MW06	138.15		2	11.11	11:40	
MCWP-MW07S	17.22		2	6.42	12:02	
MCWP-MW07D	129.60		2	8.85	12:01	
MCWP-MW08	79.38		2	8.60	12:15	
MCWP-MW09	89.60		2	6.70	12:07	
MCWP-MW10	22.23		2	6.42	11:30	
P-4	14.57		4	5.40	10:54	
P-9	13.90		4	5.78	10:55	
SMBRP-2	24.88		2	6.75	10:45	
SMBRP-6	23.45		2	19.25	10:35	
SMBRP-7B	25.13		2	13.90	10:15	
SMBRP-8 (EC-RC-MW01)	40.46		4	28.85	08:28	
SMBRP-9	45.40		2	38.44	08:50	
SMBRP-10C	25.00	-	N/A	N/A	-	Well destroyed
SMBRP-12	24.88		2	5.91	12:07	
SMBRP-13	19.48		2	7.99	12:15	
SMBRP-15	25.00		1	-	-	Dry
SMBRP-16	25.00		2	5.87	09:18	
SMBRP-11	20.38		2	8.98	11:55	

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2021
Observation Period **Start:** 13:00 **Stop:** 13:10	**Well Name:** MBCMW-9
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	
Well Diameter (in)	2	Depth of Well (ft)	6.22
Initial/Static Depth to Water (ft)	6.02	Length of Water Column (ft)	0.2
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.03	Three Casing Volumes (gal)	0.09
Purge Time Start	-	Purge Time Stop	-
Total Purge Time (min)	-	Purge Rate (gpm)	-
Purge Volume (gal)	-	Depth to Water (ft) at Sampling	-

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)						
pH						
Conductivity (µs)						
Dissolved Oxygen (mg/L)						
Dissolved Oxygen (%)						
TDS (ppm)						
Turbidity (NTU)						

Depth to Water at End of Purge: -	Drawdown: -

Comments: Insufficient water to purge or sample

Miscellaneous Data
Condition of Traffic Box: Missing bolts
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: -
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.02 + 0.2 * =

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2021
Observation Period **Start:** 11:33 **Stop:** 12:30	**Well Name:** CCPE
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	50
Well Diameter (in)	2	Depth of Well (ft)	52.2
Initial/Static Depth to Water (ft)	6.34	Length of Water Column (ft)	45.86
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.34	Three Casing Volumes (gal)	22.02
Purge Time Start	11:44	Purge Time Stop	12:15
Total Purge Time (min)	30	Purge Rate (gpm)	0.75
Purge Volume (gal)	22.5	Depth to Water (ft) at Sampling	6.34

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (7.5 gal)	Volume 3 (15 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.3	23.7	22.7			22.9
pH	6.52	6.73	6.79			6.79
Conductivity (µs)	3,999	3,999	3,999			3,999
Dissolved Oxygen (mg/L)	1.6	0.8	0.6			0.5
Dissolved Oxygen (%)	18	9	7			6
TDS (ppm)	2,000	2,000	2,000			2,000
Turbidity (NTU)	17.1	5.41	3.84			2.36

Depth to Water at End of Purge: 6.34	Drawdown: 0

Comments:

Miscellaneous Data
Condition of Traffic Box: Lid does not sit evenly on well box due to new asphalt.
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 12:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.34 + 0.2 * 0 = 6.34

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2021
Observation Period **Start:** 10:43 **Stop:** 15:15	**Well Name:** MCWP-MW05
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	148.5
Well Diameter (in)	4	Depth of Well (ft)	150.33
Initial/Static Depth to Water (ft)	8.79	Length of Water Column (ft)	141.54
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	92	Three Casing Volumes (gal)	276
Purge Time Start	11:00	Purge Time Stop	14:45
Total Purge Time (min)	225	Purge Rate (gpm)	0.02
Purge Volume (gal)	276	Depth to Water (ft) at Sampling	8.79

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (92 gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.2	21.7	22.1			23.3
pH	7.06	7.07	6.99			7.09
Conductivity (µs)	2,018	2,070	2,153			2,155
Dissolved Oxygen (mg/L)	2.61	2.09	2.05			2.78
Dissolved Oxygen (%)	28.4	23.9	24.4			33.4
TDS (ppm)	1,441	1,439	1,448			1,434
Turbidity (NTU)	0.42	1.15	0.33			0.46

Depth to Water at End of Purge: 8.79	Drawdown: 0

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 14:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.79 + 0.2 * 0 = 8.79

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2021
Observation Period **Start:** 08:36 **Stop:** 10:30	**Well Name:** MCWP-MW06
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	10
Well Diameter (in)	2	Depth of Well (ft)	136.33
Initial/Static Depth to Water (ft)	11.1	Length of Water Column (ft)	125.23
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.04	Three Casing Volumes (gal)	60.12
Purge Time Start	08:53	Purge Time Stop	10:18
Total Purge Time (min)	84	Purge Rate (gpm)	0.72
Purge Volume (gal)	60.1	Depth to Water (ft) at Sampling	11.1

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (20 gal)	Volume 3 (40 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.8	20.8	21			22
pH	7.28	7.3	7.31			7.3
Conductivity (µs)	2,100	2,115	2,138			2,195
Dissolved Oxygen (mg/L)	2.81	3.05	2.53			3.24
Dissolved Oxygen (%)	31.2	33.9	28.4			37
TDS (ppm)	1,480	1,493	1,501			1,513
Turbidity (NTU)	39,220	33.98	11.18			6.24

Depth to Water at End of Purge: 11.1	Drawdown: 0

Comments:

Miscellaneous Data
Condition of Traffic Box: Missing bolts
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 10:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 11.1 + 0.2 * 0 = 11.1

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2021
Observation Period **Start:** 13:05 **Stop:** 14:00	**Well Name:** MCWP-MW10
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	22.13
Initial/Static Depth to Water (ft)	6.65	Length of Water Column (ft)	15.48
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.48	Three Casing Volumes (gal)	7.44
Purge Time Start	13:13	Purge Time Stop	13:36
Total Purge Time (min)	23	Purge Rate (gpm)	0.33
Purge Volume (gal)	7.5	Depth to Water (ft) at Sampling	6.65

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2.5 gal)	Volume 3 (57.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.4	21.8	22			21.4
pH	6.79	6.95	7.01			6.95
Conductivity (µs)	3,999	3,999	3,999			3,999
Dissolved Oxygen (mg/L)	1.6	1.9	2.3			2
Dissolved Oxygen (%)	19	22	26			22
TDS (ppm)	2,000	2,000	2,000			2,000
Turbidity (NTU)	22.9	191	94			48.2

Depth to Water at End of Purge: 6.67	Drawdown: 0.02

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Misty
Comments:
Sampled Time: 13:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.65 + 0.2 * 0.02 = 6.654

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2021
Observation Period **Start:** 12:00 **Stop:** 13:00	**Well Name:** SMBRP-13
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	17
Well Diameter (in)	2	Depth of Well (ft)	19.4
Initial/Static Depth to Water (ft)	8.02	Length of Water Column (ft)	11.38
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.82	Three Casing Volumes (gal)	5.46
Purge Time Start	12:07	Purge Time Stop	12:35
Total Purge Time (min)	28	Purge Rate (gpm)	0.2
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.02

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (4 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.9	21	20.9			20.7
pH	7.27	7.3	7.16			7.15
Conductivity (µs)	2,990	2,984	-			3,140
Dissolved Oxygen (mg/L)	2.8	2.2	2			1.8
Dissolved Oxygen (%)	29	25	22			19
TDS (ppm)	1,497	1,488	1,555			1,572
Turbidity (NTU)	46.2	26.7	28.8			15.8

Depth to Water at End of Purge: 8.05	Drawdown: 0.03

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Misty
Comments:
Sampled Time: 12:40
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.02 + 0.2 * 0.03 = 8.026

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2021
Observation Period **Start:** 10:13 **Stop:** 12:20	**Well Name:** MCWP-MW04D
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	144
Well Diameter (in)	4	Depth of Well (ft)	146.63
Initial/Static Depth to Water (ft)	10.63	Length of Water Column (ft)	136
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.4	Three Casing Volumes (gal)	265.2
Purge Time Start	10:25	Purge Time Stop	13:10
Total Purge Time (min)	225	Purge Rate (gpm)	1.18
Purge Volume (gal)	265.5	Depth to Water (ft) at Sampling	10.6

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (88.5 gal)	Volume 3 (177 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.3	20.4	20.9			21.9
pH	7.15	7.09	7.06			7.05
Conductivity (µs)	2,264	2,370	2,317			2,378
Dissolved Oxygen (mg/L)	3.57	2.25	2			1.47
Dissolved Oxygen (%)	39.6	25.2	22.3			16.9
TDS (ppm)	1,615	1,688	1,632			1,640
Turbidity (NTU)	7.07	4.33	1.8			0

Depth to Water at End of Purge: 10.79	Drawdown: 0.16

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Misty
Comments:
Sampled Time: 13:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 10.63 + 0.2 * 0.16 = 10.662

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2021
Observation Period **Start:** 08:07 **Stop:** 09:25	**Well Name:** SMBRP-9
Sampled By: Landon Lujan	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	43
Well Diameter (in)	2	Depth of Well (ft)	44.87
Initial/Static Depth to Water (ft)	38.16	Length of Water Column (ft)	6.71
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.07	Three Casing Volumes (gal)	3.21
Purge Time Start	08:09	Purge Time Stop	08:32
Total Purge Time (min)	23	Purge Rate (gpm)	0.15
Purge Volume (gal)	3.5	Depth to Water (ft) at Sampling	38.59

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (1 gal)	Volume 3 (2 gal)	Volume 4 (3.25)	Volume 5	At Sampling
Temperature (C)	22.1	21.9	21.8	21		21.9
pH	7.09	7.06	7.05	7.08		7.19
Conductivity (µs)	2,087	2,123	2,159	2,163		2,139
Dissolved Oxygen (mg/L)	4.42	4.07	4.52	4.55		6.11
Dissolved Oxygen (%)	51	46.6	51.1	51.7		70.1
TDS (ppm)	1,437	1,467	1,492	1,491		1,476
Turbidity (NTU)	3.84	31.78	57.4	1,993		54.3

Depth to Water at End of Purge: 40.35	Drawdown: 2.19

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Misty
Comments:
Sampled Time: 09:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 38.16 + 0.2 * 2.19 = 38.598

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 18, 2021
Observation Period **Start:** 12:53 **Stop:** 13:30	**Well Name:** SMBRP-12
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	23
Well Diameter (in)	2	Depth of Well (ft)	24.46
Initial/Static Depth to Water (ft)	7.1	Length of Water Column (ft)	17.36
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.78	Three Casing Volumes (gal)	8.34
Purge Time Start	13:00	Purge Time Stop	13:05
Total Purge Time (min)	5	Purge Rate (gpm)	1.67
Purge Volume (gal)	8.34	Depth to Water (ft) at Sampling	7.1

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (3 gal)	Volume 3 (5.5 gal)	Volume 4 (8.4 gal)	Volume 5	At Sampling
Temperature (C)	26.1	26.2	25	25.5		22.8
pH	-	-	-	-		6.95
Conductivity (µs)	-	-		-		5,245
Dissolved Oxygen (mg/L)	1	0.3	0.6	-		3.3
Dissolved Oxygen (%)	11	4	7	-		38.8
TDS (ppm)	-	-	-	-		3,560
Turbidity (NTU)	82	61.3	15.5	4.73		14.7

Depth to Water at End of Purge: 7.1	Drawdown: 0

Comments: Indicator data unreliable. Data lost on electronic tablet.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Misty
Comments:
Sampled Time: 10:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.1 + 0.2 * 0 = 7.1

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2021
Observation Period **Start:** 12:09 **Stop:** 13:30	**Well Name:** MCWP-MW09
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	87
Well Diameter (in)	2	Depth of Well (ft)	88.94
Initial/Static Depth to Water (ft)	6.8	Length of Water Column (ft)	82.14
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.14	Three Casing Volumes (gal)	39.42
Purge Time Start	12:23	Purge Time Stop	13:13
Total Purge Time (min)	50	Purge Rate (gpm)	0.8
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.85

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (13.5 gal)	Volume 3 (26 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	26	25.8	25.5			25.6
pH	7.78	7.16	7.73			7.66
Conductivity (µs)	3,999	3,999	3,999			3,999
Dissolved Oxygen (mg/L)	1.1	0.8	0.7			2.2
Dissolved Oxygen (%)	13	10	12			28
TDS (ppm)	2,000	2,000	2,000			2,000
Turbidity (NTU)	715	85	24.9			2.89

Depth to Water at End of Purge: 7.1	Drawdown: 0.3

Comments:

Miscellaneous Data
Condition of Traffic Box: Missing bolt
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 01:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.8 + 0.2 * 0.3 = 6.86

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2021
Observation Period **Start:** 10:11 **Stop:**	**Well Name:** MCWP-MW07S
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Hand Bail	Pump Inlet Depth (ft)	
Well Diameter (in)	2	Depth of Well (ft)	17.16
Initial/Static Depth to Water (ft)	6.53	Length of Water Column (ft)	10.63
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.7	Three Casing Volumes (gal)	5.1
Purge Time Start	10:23	Purge Time Stop	10:37
Total Purge Time (min)	13	Purge Rate (gpm)	0.27
Purge Volume (gal)	3.5	Depth to Water (ft) at Sampling	8.5

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3	Volume 4	Volume 5	At Sampling
Temperature (C)	21.7	21.2				21.9
pH	8.02	7.88				7.96
Conductivity (µs)	2,074	1,939				1,900
Dissolved Oxygen (mg/L)	3.2	3.2				2.8
Dissolved Oxygen (%)	37	38				32
TDS (ppm)	1,034	967				946
Turbidity (NTU)	2.72	13.3				2.52

Depth to Water at End of Purge: 16.5	Drawdown: 9.97

Comments: Dewatered at 3.5 gallons

Miscellaneous Data
Condition of Traffic Box: Missing bolt
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 11:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.53 + 0.2 * 9.97 = 8.524

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2021
Observation Period **Start:** 09:29 **Stop:** 12:10	**Well Name:** MCWP-MW07D
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	127.94
Initial/Static Depth to Water (ft)	8.62	Length of Water Column (ft)	119.32
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.09	Three Casing Volumes (gal)	57.27
Purge Time Start	09:56	Purge Time Stop	11:20
Total Purge Time (min)	84	Purge Rate (gpm)	0.69
Purge Volume (gal)	58	Depth to Water (ft) at Sampling	8.6

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (19.5 gal)	Volume 3 (40 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.8	22	22			23.5
pH	7.74	7.73	7.78			8.93
Conductivity (µs)	3,004	3,502	3,579			65.1
Dissolved Oxygen (mg/L)	3.2	3.2	3.1			3.2
Dissolved Oxygen (%)	37	38	37			37
TDS (ppm)	1,502	1,751	1,789			35
Turbidity (NTU)	2.72	13.2	14.2			15.8

Depth to Water at End of Purge: 8.84	Drawdown: 0.22

Comments:

Miscellaneous Data
Condition of Traffic Box: Missing bolts
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 11:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.62 + 0.2 * 0.22 = 8.66

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 19, 2021
Observation Period **Start:** 12:25 **Stop:** 12:55	**Well Name:** SMBRP-11
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	8.5
Well Diameter (in)	2	Depth of Well (ft)	20.5
Initial/Static Depth to Water (ft)	9.7	Length of Water Column (ft)	10.8
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.73	Three Casing Volumes (gal)	5.19
Purge Time Start	12:34	Purge Time Stop	12:44
Total Purge Time (min)	9	Purge Rate (gpm)	0.44
Purge Volume (gal)	4	Depth to Water (ft) at Sampling	9.13

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (1.8 gal)	Volume 3 (3.6 gal)	Volume 4 (4.0 gal)	Volume 5	At Sampling
Temperature (C)	25.1	25.8	25.6	24.1		23.1
pH	6.82	6.89	6.88	7		6.85
Conductivity (µs)	3,220	2,955	3,143	2,156		2,784
Dissolved Oxygen (mg/L)	2.54	3.61	3.72	1.5		3.22
Dissolved Oxygen (%)	30.6	43.9	45.5	19		38.4
TDS (ppm)	2,076	1,893	2,017	1,081		1,876
Turbidity (NTU)	73.22	110.4	16,380	3.83		4.26

Depth to Water at End of Purge: 13.8	Drawdown: 4.1

Comments: Dewatered at 4 gallons

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 10:55
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 9.7 + 0.2 * 4.1 = 10.52

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2021
Observation Period **Start:** 11:44 **Stop:** 12:13	**Well Name:** SMBRP-7B
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	
Well Diameter (in)	2	Depth of Well (ft)	25.1
Initial/Static Depth to Water (ft)	13.8	Length of Water Column (ft)	11.3
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.81	Three Casing Volumes (gal)	5.43
Purge Time Start	11:52	Purge Time Stop	12:00
Total Purge Time (min)	7	Purge Rate (gpm)	0.78
Purge Volume (gal)	5.43	Depth to Water (ft) at Sampling	13.77

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (1.8 gal)	Volume 3 (3.6 gal)	Volume 4 (5.5 gal)	Volume 5	At Sampling
Temperature (C)	24.2	24.4	24.1	25.5		25.3
pH	7.04	7.03	7.04	7.05		7.39
Conductivity (µs)	3,264	2,446	3,641	3,743		3,315
Dissolved Oxygen (mg/L)	2.32	3	2.7	3.26		2.3
Dissolved Oxygen (%)	27.8	35.5	32.4	39.4		28
TDS (ppm)	2,153	1,606	2,406	2,408		1,661
Turbidity (NTU)	8,914	48.3	41.85	22,008		1.1

Depth to Water at End of Purge: 20.91	Drawdown: 7.11

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 10:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 13.8 + 0.2 * 7.11 = 15.222

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2021
Observation Period **Start:** 10:56 **Stop:** 11:30	**Well Name:** MCWP-MW04S
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	19
Well Diameter (in)	4	Depth of Well (ft)	20.48
Initial/Static Depth to Water (ft)	7.93	Length of Water Column (ft)	12.55
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.16	Three Casing Volumes (gal)	24.48
Purge Time Start	11:10	Purge Time Stop	11:17
Total Purge Time (min)	6	Purge Rate (gpm)	1.42
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	8.21

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (8.16 gal)	Volume 3	Volume 4	Volume 5	At Sampling
Temperature (C)	23.7	23.6				24.7
pH	7.37	7.39				8.5
Conductivity (µs)	8,050	8,323				3,999
Dissolved Oxygen (mg/L)	3.38	3.23				4.1
Dissolved Oxygen (%)	40.6	39.2				49
TDS (ppm)	5,340	5,543				2,000
Turbidity (NTU)	1.46	4.71				25

Depth to Water at End of Purge: 16.25	Drawdown: 8.32

Comments: Dewatered at 8.5 gallons

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 13:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.93 + 0.2 * 8.32 = 9.594

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** Third Quarter
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** August 17, 2021
Observation Period **Start:** 08:50 **Stop:** 10:00	**Well Name:** LAMW-5S
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	72
Well Diameter (in)	4	Depth of Well (ft)	74.13
Initial/Static Depth to Water (ft)	59.82	Length of Water Column (ft)	14.31
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.3	Three Casing Volumes (gal)	27.9
Purge Time Start	09:52	Purge Time Stop	10:26
Total Purge Time (min)	34	Purge Rate (gpm)	0.44
Purge Volume (gal)	15	Depth to Water (ft) at Sampling	59.92

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

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (9.3 gal)	Volume 3	Volume 4	Volume 5	At Sampling
Temperature (C)	23.6	24.6				21.7
pH	6.8	6.9				7.23
Conductivity (µs)	1,496	1,539				1,389
Dissolved Oxygen (mg/L)	3.58	3.01				4.2
Dissolved Oxygen (%)	42.1	35				46
TDS (ppm)	1,000	1,008				694
Turbidity (NTU)	77.8	22.01				11.9

Depth to Water at End of Purge: 68.75	Drawdown: 8.93

Comments: Dewatered at 15 gallons

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions:
Comments:
Sampled Time: 08:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 59.82 + 0.2 * 8.93 = 61.606

Surface Water Sampling

Job No: 20-09665	**Event:** Third Quarter
Project: Malibu CCWTF	**Date:** August 18, 2021
Location: Malibu, CA	**Sampled By:** Jaime McClain

CONDITIONS

Weather: Cloudy	**Wind:** Slight Breeze
Estuary Berm: Closed	

DAILY TIDES

LOW	Time: 12:26	Feet: 2.6	**HIGH**	Time: 08:10	Feet: 3.7

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife Type, # On Land # In Water
N-001	12:10	Rough	Clear	Clear	None	None	N/A, ,
N-002	12:20	Rough	Clear	Clear	None	None	N/A, ,
N-003	12:35	Rough	Clear	Clear	None	None	N/A, ,
N-004	10:15	Rough	Clear	Clear	None	None	N/A, ,
L-001	10:45	N/A	Clear	Clear	None	None	Mallard, , 2
L-002	11:25	N/A	Clear	Clear	None	None	N/A, ,
L-003	11:05	N/A	Clear	Clear	None	Garbage	Mallard, , 1
L-004	11:45	N/A	Clear	Clear	None	None	Cormorant, 4, Egret, 1,
L-005	12:40	N/A	Clear	Clear	None	None	Gull, 2, 1 Cormorant, 18,
L-006	12:55	N/A	Clear	Clear	None	None	Egret, 1, 1

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

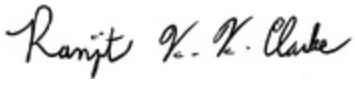
Lab Job Number: 449340
Report Level: II
Report Date: 08/26/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	449340
Project No:	MALIBU
Location:	Annual
Date Received:	08/17/21

Sample ID	Lab ID	Collected	Matrix
LAMW-5S	449340-001	08/17/21 08:30	Water
SMBRP-11	449340-002	08/17/21 10:55	Water
SMBRP-7B	449340-003	08/17/21 10:00	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: 449340	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 4,7/5,5

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	(805)644-4455	Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	Test Instructions / Comments
LAMW-5S	8/17/21	0830	W			X	X	X	X	X	
SMBRP-11	"	1055	W			X	X	X	X	X	
SMBRP-7B	"	1000	W			X	X	X	X	X	
~~SMBRP-13~~											MC
											8/17/21 / 1515

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants	~~8/17/21 / 1450~~
1 Received By:		Ricardo Sanchez	EA	8/17/21 1515
2 Relinquished By:		Ricardo Sanchez	EA	8/17/21 1806
2 Received By:		Elizabeth Ramos	EA	8/17/21 18:06
3 Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Annual

Date Received: 8/17/21 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: 5.5 #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: 4.7 #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

No samples were received for "SMBRP-11"

Section 6

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

☑ Email (email sent to/on): RKC / 8/17/21

Project Manager's response:

Completed By: _____ Date: 8/17/21

ENTHALPY ANALYTICAL

Analysis Results for 449340

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 449340
Project No: MALIBU
Location: Annual
Date Received: 08/17/21

Sample ID: LAMW-5S **Lab ID: 449340-001** **Collected: 08/17/21 08:30**
Matrix: Water

449340-001 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	272449	08/17/21 17:19	08/18/21 10:31	JCP
Nitrogen, Nitrate	**14**		mg/L	0.10	0.05	1	272449	08/17/21 17:19	08/18/21 10:31	JCP
Nitrogen, Nitrate/Nitrite	**14**		mg/L	0.10		1	272449	08/17/21 17:19	08/18/21 10:31	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.40**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.38**		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.78**	B	mg/L	0.40	0.030	1	272502	08/19/21	08/19/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**7.9**		mg/L	0.40	0.20	20	272505	08/18/21	08/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.1**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Coliform, Total	**1,400**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**940**		mg/L	20		2	272533	08/19/21	08/20/21	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449340

Sample ID: SMBRP-7B	Lab ID: 449340-003	Collected: 08/17/21 10:00
	Matrix: Water	

449340-003 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	272449	08/17/21 17:19	08/18/21 10:53	JCP
Nitrogen, Nitrate	**0.19**		mg/L	0.10	0.05	1	272449	08/17/21 17:19	08/18/21 10:53	JCP
Nitrogen, Nitrate/Nitrite	**0.19**		mg/L	0.10		1	272449	08/17/21 17:19	08/18/21 10:53	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.22**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.22**	B,J	mg/L	0.40	0.030	1	272502	08/19/21	08/19/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.28**		mg/L	0.020	0.010	1	272505	08/18/21	08/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.1**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Coliform, Total	**13**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,500**		mg/L	20		2	272533	08/19/21	08/20/21	WWC

B Contamination found in associated Method Blank
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:** QC939484	**Batch:** 272449
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC939484 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	08/17/21 17:19	08/17/21 19:10
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/17/21 17:19	08/17/21 19:10
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/17/21 17:19	08/17/21 19:10

Type: Lab Control Sample	**Lab ID:** QC939485	**Batch:** 272449
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC939485 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	8.904	9.134	mg/L	97%		90-110
Nitrogen, Nitrate	8.671	9.036	mg/L	96%		90-110

Type: Matrix Spike	**Lab ID:** QC939486	**Batch:** 272449
Matrix (Source ID): Water (449226-004)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC939486 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	8.762	ND	9.134	mg/L	96%		80-120	10
Nitrogen, Nitrate	10.64	2.027	9.036	mg/L	95%		80-120	10

Type: Matrix Spike Duplicate	**Lab ID:** QC939487	**Batch:** 272449
Matrix (Source ID): Water (449226-004)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC939487 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	8.880	ND	9.134	mg/L	97%		80-120	1	20	10
Nitrogen, Nitrate	10.62	2.027	9.036	mg/L	95%		80-120	0	20	10

Type: Blank	**Lab ID:** QC939583	**Batch:** 272502
Matrix: Water	**Method:** SM 4500-NH3-G	

QC939583 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.12	J	mg/L	0.20	0.015	08/19/21	08/19/21

Type: Lab Control Sample	**Lab ID:** QC939584	**Batch:** 272502
Matrix: Water	**Method:** SM 4500-NH3-G	

QC939584 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.297	2.500	mg/L	92%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC939585	**Batch:** 272502
Matrix (Source ID): Water (449096-001)	**Method:** SM 4500-NH3-G	

QC939585 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.68	1.298	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC939586	**Batch:** 272502
Matrix (Source ID): Water (449096-001)	**Method:** SM 4500-NH3-G	

QC939586 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.82	1.298	12.50	mg/L	108%		80-120	8	20	2.5

Type: Blank	**Lab ID:** QC939595	**Batch:** 272505
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC939595 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/18/21	08/18/21

Type: Lab Control Sample	**Lab ID:** QC939596	**Batch:** 272505
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC939596 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3770	0.4000	mg/L	94%		80-120

Type: Matrix Spike	**Lab ID:** QC939597	**Batch:** 272505
Matrix (Source ID): Water (449116-002)	**Method:** SM 4500-P-B5-E	

QC939597 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.330	0.3730	1.000	mg/L	96%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC939598	**Batch:** 272505
Matrix (Source ID): Water (449116-002)	**Method:** SM 4500-P-B5-E	

QC939598 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.343	0.3730	1.000	mg/L	97%		75-125	1	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC939701	**Batch:** 272533
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC939701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/19/21	08/20/21

Type: Lab Control Sample	**Lab ID:** QC939702	**Batch:** 272533
Matrix: Water	**Method:** SM2540C	**Prep Method:** METHOD

QC939702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	106.0	100.0	mg/L	106%		90-110

Type: Sample Duplicate	**Lab ID:** QC939703	**Batch:** 272533
Matrix (Source ID): Water (449408-002)	**Method:** SM2540C	**Prep Method:** METHOD

QC939703 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	5,538	5476	mg/L		1	5	2

Type: Blank	**Lab ID:** QC940262	**Batch:** 272708
Matrix: Water	**Method:** SM 4500-NH3-G	

QC940262 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/24/21	08/24/21

Type: Lab Control Sample	**Lab ID:** QC940263	**Batch:** 272708
Matrix: Water	**Method:** SM 4500-NH3-G	

QC940263 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.411	2.500	mg/L	96%		80-120

Type: Matrix Spike	**Lab ID:** QC940264	**Batch:** 272708
Matrix (Source ID): Sea Water (449466-001)	**Method:** SM 4500-NH3-G	

QC940264 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.634	ND	2.500	mg/L	105%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC940265**	**Batch:**	**272708**
Matrix (Source ID):	**Sea Water (449466-001)**	**Method:**	**SM 4500-NH3-G**		

QC940265 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.612	ND	2.500	mg/L	104%		80-120	1	20	1

J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

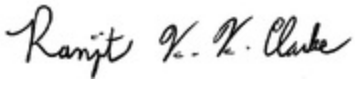
Lab Job Number: 449342
Report Level: II
Report Date: 09/09/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - Partial Report (Enthalpy data + Eurofins data only)

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	449342
Project No:	MALIBU
Location:	Annual - Partial Report (Enthalpy data + Eurofins data only)
Date Received:	08/17/21

Sample ID	Lab ID	Collected	Matrix
MCWP-MW04S	449342-001	08/17/21 13:30	Water
MCWP-MW07S	449342-002	08/17/21 11:30	Water
MCWP-MW07D	449342-003	08/17/21 11:45	Water
MCWP-MW09	449342-004	08/17/21 13:00	Water

Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number: 449342 Project No: MALIBU Location: Annual - Partial Report (Enthalpy data only) Date Received: 08/17/21

This data package contains sample and QC results for four water samples, requested for the above referenced project on 08/17/21. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 524.2):
Low response was observed for acrylonitrile in the ICV analyzed 08/24/21 18:02; affected data was qualified with "b". Low response was observed for MTBE in the CCV analyzed 08/30/21 17:03; this analyte met minimum response criteria, and affected data was qualified with "b". Low recoveries were observed for acrylonitrile in the BS/BSD for batch 273055; the associated RPD was within limits, and these low recoveries were not associated with any reported results. Low recoveries were observed for benzene in the MS/MSD for batch 273128; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and these low recoveries were not associated with any reported results. Methylene chloride and m,p-xylenes were detected between the MDL and the RL in the method blank for batch 272427; these analytes were not detected in the sample at or above the RL. Methylene chloride and m,p-xylenes were detected between the MDL and the RL in the method blank for batch 273128. A number of samples 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 aluminum in the CCV analyzed 08/29/21 13:00; affected data was qualified with "b". Sodium was detected between the MDL and the RL in the method blank for batch 272441; this analyte was detected in the sample at a level at least 10 times that of the blank. Silver and chromium were detected between the MDL and the RL in the method blank for batch 272457. No other analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):
Low recoveries were observed for chloride in the MS/MSD for batch 272449; the parent sample was not a project sample, and the associated RPD was within limits. 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.

DRAFT

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.

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 recoveries were observed for ammonia-N in the MS/MSD for batch 272710; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. Nitrogen, total kjeldahl was detected between the MDL and the RL in the method blank for batch 272502. No other analytical problems were encountered.

EPA 100.2 Asbestos (EPA 100.2 Asbestos):
No analytical problems were encountered.

EPA 1613B - 2,3,7,8-TCDD only (EPA 1613B):
Enthalpy - Wilmington in Wilmington, NC performed the analysis (not NELAP certified). Please see the Enthalpy - Wilmington case narrative.

EPA 552.2 Haloacetic Acids (EPA 552.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 508 Chlorinated Pesticides (EPA 508):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 515.3 Chlorinated Acids (EPA 515.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

DRAFT

EPA 525.2 Semi-Volatile Organics (EPA 525.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 547 Glyphosate (EPA 547):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 531.1 Carbamates (EPA 531.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). Please see the Pace Analytical - Greensburg case narrative.

EPA 906.0 Tritium (EPA 906.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Pace Analytical - Greensburg case narrative.

EDB and DBCP by GC (EPA 504.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 625 Low Level (EPA 625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Pace Analytical - Greensburg case narrative.

EPA 1625 Isotope Dilution (EPA 1625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

DRAFT

Bromate EPA 300.1 -OUT (EPA 300.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 1664A Total O&G - OUT (EPA 1664A):
Eurofins CalScience in Garden Grove, CA performed the analysis (not NELAP certified). Please see the Eurofins CalScience case narrative.

BOD (SM 5210B):
Eurofins CalScience in Garden Grove, CA performed the analysis (not NELAP certified). Please see the Eurofins CalScience case narrative.

EPA 1694 Pharma, PCP by HPLC/MS/MS (EPA 1694):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.
*** Missing Items ***
The following items are valid in the narrative, but for some reason didn't end up in the above report:
Item 21 (SUB/Water): AmeriSci in Carson, CA performed the analysis (not NELAP certified). Please see the AmeriSci case narrative.
The following items are valid in the narrative, but for some reason didn't end up in the above report:
You can invalidate these items, or adjust rgroup/matrix/method ([C] button) for each until they appear in the main body of the report. See the operations manager or LIMS staff for assistance if necessary.

DRAFT

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: 449342				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	3		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		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), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
~~SMBRP-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	MC
~~SMBRP-12~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	MC
MCWP-MW04S	8/17/21	1330	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	MC
MCWP-MW07S	8/17/21	1130				X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D	8/17/21	1145				X	X	X	X	X	X	X	X	X	X	
MCWP-MW09	8/17/21	1300				X	X	X	X	X	X	X	X	X	X	

Analysis Request

5.4/7.7
4.7/5.5
7.7/8.5
7.1/7.7

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/17/21 / 1515
[1] Received By:		Ricardo Serrice	EA	8/17/21 1515
[2] Relinquished By:		Ricardo Serrice	EA	8/17/21 1802
[2] Received By:		Elizabeth Ramirez	EA	8/17/21 19:00
[3] Relinquished By:				

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 449342				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 = Na2S2O3 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 100.2 Asbestos;EPA 908.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
SMBRP-9						X	X	X	X	X	X	X	X	X	X	
SMBRP-12	08/17/21	13:30	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW04S						X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D	08/17/21	11:30 AM	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07S	08/17/21	11:45 AM	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D	08/17/21	1:00 PM	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW09						X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:				
1 Received By:	[signature]	[signature]	EA	08/17/21 1515
2 Relinquished By:	[signature]	[signature]	EA	08/17/21 1802
2 Received By:	[signature]	[signature]	EA	8/17/21 19:06
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 449312				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 = Na2S2O3 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/ESI-/APCI (see list)	EPA 508 Pest/PCBs	Analysis Request	Test Instructions / Comments
SMBRP-9						X	X		
SMBRP-12						X	X		
MCWP-MW04S	08/17/21	1:30 PM	w			X	X		
MCWP-MW04D						X	X		
MCWP-MW07S	08/17/21	11:30 AM	w			X	X		
MCWP-MW07D	08/17/21	11:45 AM	w			X	X		
MCWP-MW09	08/17/21	1:00 PM	w			X	X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:				
1 Received By:	[signature]	Richard Sanchez	EA	8/17/21 1515
2 Relinquished By:	[signature]	Richard Sanchez	EA	8/17/21 1806
2 Received By:	[signature]	Elizabeth Ramirez	EA	8/17/21 19:06
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Annual

Date Received: 8/17/21 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 4 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 7.7 #2: 5.5 #3: 8.5 #4: 7.7

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.4 #2: 4.7 #3: 7.7 #4: 7.1

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

Relinquished signature on first page only.

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: 8/17/2021

Ranjit Clarke

From: Michelle Carter <mcarter@rinconconsultants.com> on behalf of Michelle Carter
Sent: Wednesday, August 18, 2021 6:42 PM
To: Ranjit K Clarke
Cc: Kiernan Brtalik
Subject: [EXTERNAL] RE: [EXT] MALIBU - Enthalpy Login Summary (449342)
Attachments: IMG_3013.jpg; IMG_3014.jpg

Flag Status: Flagged

Please see the attached signed COCs, page 2 and 3 for 8/17/21.

Thanks Ranijit!

Michelle Carter, Environmental Scientist
Rincon Consultants, Inc.
805-644-4455
805-450-1679 Mobile | 805-947-4856 Direct
mcarter@rinconconsultants.com

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Ranked 2021 "Best Environmental Services Firm to Work For" by Zweig Group

---

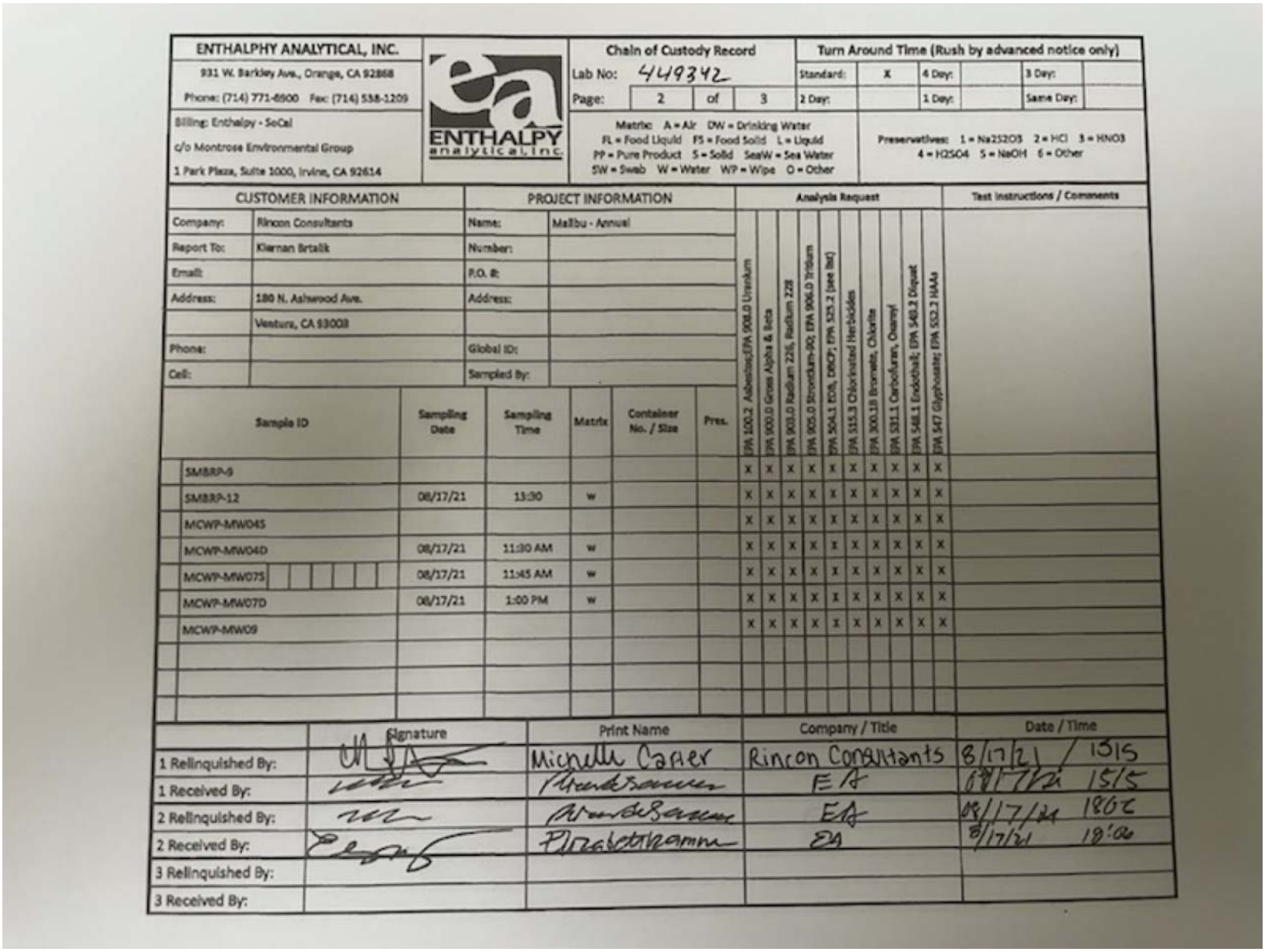
From: Enthalpy Orange Sample Control <sample.control.orange@enthalpy.com>
Sent: Tuesday, August 17, 2021 11:53 PM
To: Kiernan Brtalik <kbrtalik@rinconconsultants.com>; Michelle Carter <mcarter@rinconconsultants.com>; nnavarro@rinconconsultants.com; Peter Doran <pdoran@rinconconsultants.com>
Subject: [EXT] MALIBU - Enthalpy Login Summary (449342)

CAUTION: This email originated from outside of Rincon Consultants. Be cautious before clicking on any links, or opening any attachments, until you are confident that the content is safe .

Pages 2 and 3 of the COC need to be relinquished by Rincon. Please sign and send back to me at your earliest convenience.

Enthalpy Login Summary for 449342

Project:	MALIBU	**Report To:**	Rincon Consultants - Ventura	**Bill To:**	Rincon Consultants - Ventura
Site:	Annual		180 North Ashwood Ave.		180 North Ashwood Ave.



ENTHALPY ANALYTICAL, INC.
931 W. Barkley Ave., Orange, CA 92868
Phone: (714) 771-6900 Fax: (714) 538-1209
Billing: Enthalpy - SoCal
c/o Montrose Environmental Group
1 Park Plaza, Suite 1000, Irvine, CA 92614

ENTHALPY analytical, inc.

Chain of Custody Record
Lab No: 449342
Page: 2 of 3

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

Turn Around Time (Rush by advanced notice only)

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

Preservatives: 1 = Na2S2O3 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other

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.	EPA 100.2 Asbestos; EPA 900.0 Uranium	EPA 900.0 Gross Alpha & Beta	EPA 903.0 Radium 226, Radium 228	EPA 905.0 Strontium-90; EPA 906.0 Tritium	EPA 504.1 EDB, DBCP; EPA 525.2 (see list)	EPA 515.3 Chlorinated Herbicides	EPA 300.1B Bromate, Chlorite	EPA 531.1 Carbofuran, Oxamyl	EPA 548.1 Endothall; EPA 549.2 Diquat	EPA 547 Glyphosate; EPA 552.2 HAAs	Test Instructions / Comments
SMBRP-9						X	X	X	X	X	X	X	X	X	X	
SMBRP-12	08/17/21	13:30	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW04S						X	X	X	X	X	X	X	X	X	X	
MCWP-MW04D	08/17/21	11:30 AM	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07S	08/17/21	11:45 AM	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW07D	08/17/21	1:00 PM	w			X	X	X	X	X	X	X	X	X	X	
MCWP-MW09						X	X	X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants	8/17/21 / 1515
1 Received By:			EA	8/17/21 1515
2 Relinquished By:			EA	08/17/21 1800
2 Received By:			EA	8/17/21 18:00
3 Relinquished By:				
3 Received By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record			Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	ENTHALPY analytical, inc.	Lab No: 449242			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 = Na2S2O3 2 = HCl 3 = HNO3 4 = H2SO4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA 1694M-ESI+/TIS-/APCI (see list)	EPA 508 Pest/PCBs	Test Instructions / Comments
SMBRP-9						X	X	
SMBRP-12						X	X	
MCWP-MW04S	08/17/21	1:30 PM	w			X	X	
MCWP-MW04D						X	X	
MCWP-MW07S	08/17/21	11:30 AM	w			X	X	
MCWP-MW07D	08/17/21	11:45 AM	w			X	X	
MCWP-MW09	08/17/21	1:00 PM	w			X	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michelle Carter	Rincon Consultants	8/17/21 1515
1 Received By:		Ricardo Sanchez	EA	8/17/21 1515
2 Relinquished By:		Ricardo Sanchez	EA	8/17/21 1808
2 Received By:		Arabella Ramirez	EA	8/17/21 18:06
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Analysis Results for 449342

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 449342
Project No: MALIBU
Location: Annual - Partial Report (Enthalpy data + Eurofins data only)
Date Received: 08/17/21

Sample ID: MCWP-MW04S **Lab ID: 449342-001** **Collected: 08/17/21 13:30**
Matrix: Water

449342-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**2.1**		mg/L	0.050	0.0080	1	272440	08/18/21	08/23/21	KLN
Calcium	**450**		mg/L	0.10	0.021	1	272440	08/18/21	08/18/21	KLN
Iron	**2.8**		mg/L	0.020	0.0066	1	272440	08/18/21	08/18/21	KLN
Magnesium	**250**		mg/L	0.10	0.049	1	272440	08/18/21	08/18/21	KLN
Manganese	**0.66**		mg/L	0.010	0.00061	1	272440	08/18/21	08/18/21	KLN
Potassium	**3.6**		mg/L	0.50	0.18	1	272440	08/18/21	08/18/21	KLN
Sodium	**920**		mg/L	0.50	0.035	1	272440	08/18/21	08/18/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**1,600**		ug/L	50	16	5	272457	08/18/21	08/31/21	SBW
Antimony	**1.5**	J	ug/L	2.5	0.30	5	272457	08/18/21	08/27/21	SBW
Arsenic	**10**		ug/L	2.0	0.38	1	272457	08/18/21	08/25/21	SBW
Barium	**40**		ug/L	25	1.4	5	272457	08/18/21	08/29/21	SBW
Beryllium	ND		ug/L	2.5	0.25	5	272457	08/18/21	08/29/21	SBW
Cadmium	**1.4**		ug/L	1.0	0.17	5	272457	08/18/21	08/29/21	SBW
Chromium	**5.3**	B	ug/L	5.0	2.4	5	272457	08/18/21	08/31/21	SBW
Copper	**11**		ug/L	0.50	0.050	1	272457	08/18/21	08/25/21	SBW
Lead	**1.6**	J	ug/L	2.5	0.22	5	272457	08/18/21	08/29/21	SBW
Nickel	**20**		ug/L	1.0	0.20	1	272457	08/18/21	08/25/21	SBW
Selenium	**130**		ug/L	2.0	0.27	1	272457	08/18/21	08/25/21	SBW
Silver	**0.50**	J	ug/L	1.0	0.13	5	272457	08/18/21	08/27/21	SBW
Thallium	**1.2**	J	ug/L	5.0	1.2	5	272457	08/18/21	08/29/21	SBW
Zinc	**23**		ug/L	10	4.2	1	272457	08/18/21	08/25/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	272763	08/24/21	08/24/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**530**		mg/L	500	50	100	272449	08/17/21 17:19	08/18/21 11:59	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272449	08/17/21 17:19	08/18/21 09:04	JCP
Nitrogen, Nitrate	**0.55**		mg/L	0.10	0.05	1	272449	08/17/21 17:19	08/18/21 09:04	JCP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Sulfate	**1,700**		mg/L	100	25	100	272449	08/17/21 17:19	08/18/21 11:59	JCP
Nitrogen, Nitrate/Nitrite	**0.55**		mg/L	0.10		1	272449	08/17/21 17:19	08/18/21 09:04	JCP
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	**2.8**	J	ug/L	10	2.7	5	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	0.23	1	273128	08/31/21	08/31/21	RAO
Acrolein	ND		ug/L	5.0	3.3	1	272427	08/18/21	08/18/21	TCN
Acrylonitrile	ND		ug/L	2.0	0.7	1	272427	08/18/21	08/18/21	TCN
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	273055	08/30/21	08/30/21	RAO
Benzene	ND		ug/L	0.50	0.32	1	273055	08/30/21	08/30/21	RAO
Trichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Toluene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Chlorobenzene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Chloromethane	ND		ug/L	0.50	0.34	1	273055	08/30/21	08/30/21	RAO
Vinyl Chloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
Bromomethane	ND		ug/L	1.0	0.46	1	273055	08/30/21	08/30/21	RAO
Chloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Freon 113	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Methylene Chloride	ND		ug/L	0.50	0.42	1	273055	08/30/21	08/30/21	RAO
MTBE	ND		ug/L	0.50	0.15	1	273128	08/31/21	08/31/21	RAO
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Chloroform	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Bromodichloromethane	ND		ug/L	0.50	0.25	1	273055	08/30/21	08/30/21	RAO
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	273055	08/30/21	08/30/21	RAO
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	273055	08/30/21	08/30/21	RAO
Tetrachloroethene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Dibromochloromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Ethylbenzene	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
m,p-Xylenes	ND		ug/L	1.0	0.43	1	273055	08/30/21	08/30/21	RAO
Styrene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Bromoform	ND		ug/L	0.50	0.22	1	273055	08/30/21	08/30/21	RAO
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Surrogates				**Limits**						
Bromofluorobenzene	99%		%REC	70-140	0.83	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane-d4	85%		%REC	70-140	3.0	1	273055	08/30/21	08/30/21	RAO
Dibromofluoromethane	114%		%REC	70-140		1	273055	08/30/21	08/30/21	RAO
Toluene-d8	103%		%REC	70-140	0.35	1	273055	08/30/21	08/30/21	RAO
Method: SM 2150B										
Odor	ND		TON	1.0		1	272432	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM 2330B										
CCPP	**1.1**		SU			1	273191	09/01/21	09/01/21	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272489	08/18/21 14:59	08/18/21 14:59	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.65**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**7.61**	H	SU			1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Temperature	**12.50**	H	deg C	1.00		1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.063**	J	mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**1.2**	B	mg/L	0.40	0.030	1	272502	08/19/21	08/19/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.58**		mg/L	0.020	0.010	1	272505	08/18/21	08/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	**7.9**		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Coliform, Total	**440**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Method: SM2120B										
Color	**35**		ColorUnits	5		1	272431	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2130B										
Turbidity	**1.7**		NTU	0.10	0.07	1	272433	08/17/21 18:30	08/17/21 18:30	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**680**		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**560**		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,800**		mg/L	20		2	272532	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**76**		mg/L	0.7		1.3	272613	08/19/21	08/19/21	ATP
Method: SM5540C										
Surfactants (MBAS)	**0.071**		mg/L	0.040	0.027	1	272534	08/18/21 08:00	08/18/21 17:08	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

Sample ID: MCWP-MW07S	Lab ID: 449342-002	Collected: 08/17/21 11:30
	Matrix: Water	

449342-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.35**		mg/L	0.050	0.0080	1	273197	09/01/21	09/01/21	KLN
Calcium	**100**		mg/L	0.10	0.021	1	272441	08/18/21	08/18/21	KLN
Iron	**15**		mg/L	0.020	0.0066	1	272441	08/18/21	08/18/21	KLN
Magnesium	**90**		mg/L	0.10	0.049	1	272441	08/18/21	08/18/21	KLN
Manganese	**0.70**		mg/L	0.010	0.00061	1	272441	08/18/21	08/18/21	KLN
Potassium	**7.1**		mg/L	0.50	0.18	1	273197	09/01/21	09/01/21	KLN
Sodium	**200**		mg/L	0.50	0.035	1	272441	08/18/21	08/18/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**7,500**		ug/L	50	16	5	272457	08/18/21	08/31/21	SBW
Antimony	**0.38**	B,J	ug/L	2.5	0.30	5	272457	08/18/21	08/27/21	SBW
Arsenic	ND		ug/L	2.0	0.38	1	272457	08/18/21	08/25/21	SBW
Barium	**120**		ug/L	25	1.4	5	272457	08/18/21	08/29/21	SBW
Beryllium	**0.33**	J	ug/L	2.5	0.25	5	272457	08/18/21	08/31/21	SBW
Cadmium	**0.31**	J	ug/L	1.0	0.17	5	272457	08/18/21	08/27/21	SBW
Chromium	**22**		ug/L	5.0	2.4	5	272457	08/18/21	08/29/21	SBW
Copper	**11**		ug/L	0.50	0.050	1	272457	08/18/21	08/25/21	SBW
Lead	**3.9**		ug/L	2.5	0.22	5	272457	08/18/21	08/29/21	SBW
Nickel	**23**		ug/L	1.0	0.20	1	272457	08/18/21	08/25/21	SBW
Selenium	**3.1**		ug/L	2.0	0.27	1	272457	08/18/21	08/25/21	SBW
Silver	**0.20**	B,J	ug/L	1.0	0.13	5	272457	08/18/21	08/27/21	SBW
Thallium	ND		ug/L	5.0	1.2	5	272457	08/18/21	08/29/21	SBW
Zinc	**27**		ug/L	10	4.2	1	272457	08/18/21	08/25/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	272763	08/24/21	08/24/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**210**		mg/L	50	5.0	10	272449	08/17/21 17:19	08/18/21 12:21	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272449	08/17/21 17:19	08/18/21 09:26	JCP
Nitrogen, Nitrate	**4.2**		mg/L	0.10	0.05	1	272449	08/17/21 17:19	08/18/21 09:26	JCP
Sulfate	**260**		mg/L	10	2.5	10	272449	08/17/21 17:19	08/18/21 12:21	JCP
Nitrogen, Nitrate/Nitrite	**4.2**		mg/L	0.10		1	272449	08/17/21 17:19	08/18/21 09:26	JCP
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.53	1	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	0.23	1	273128	08/31/21	08/31/21	RAO
Acrolein	ND		ug/L	5.0	3.3	1	272427	08/18/21	08/18/21	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acrylonitrile	ND		ug/L	2.0	0.7	1	272427	08/18/21	08/18/21	TCN
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	273055	08/30/21	08/30/21	RAO
Benzene	ND		ug/L	0.50	0.32	1	273055	08/30/21	08/30/21	RAO
Trichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Toluene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Chlorobenzene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Chloromethane	ND		ug/L	0.50	0.34	1	273055	08/30/21	08/30/21	RAO
Vinyl Chloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
Bromomethane	ND		ug/L	1.0	0.46	1	273055	08/30/21	08/30/21	RAO
Chloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Freon 113	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Methylene Chloride	**0.86**	B	ug/L	0.50	0.20	1	273128	08/31/21	08/31/21	RAO
MTBE	ND		ug/L	0.50	0.15	1	273128	08/31/21	08/31/21	RAO
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
cis-1,2-Dichloroethene	**0.25**	J	ug/L	0.50	0.067	1	273128	08/31/21	08/31/21	RAO
Chloroform	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Bromodichloromethane	ND		ug/L	0.50	0.25	1	273055	08/30/21	08/30/21	RAO
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	273055	08/30/21	08/30/21	RAO
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	273055	08/30/21	08/30/21	RAO
Tetrachloroethene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Dibromochloromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Ethylbenzene	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
m,p-Xylenes	ND		ug/L	1.0	0.43	1	273055	08/30/21	08/30/21	RAO
Styrene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Bromoform	ND		ug/L	0.50	0.22	1	273055	08/30/21	08/30/21	RAO
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Surrogates				**Limits**						
Bromofluorobenzene	98%		%REC	70-140	0.83	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane-d4	84%		%REC	70-140	3.0	1	273055	08/30/21	08/30/21	RAO
Dibromofluoromethane	116%		%REC	70-140		1	273055	08/30/21	08/30/21	RAO
Toluene-d8	103%		%REC	70-140	0.35	1	273055	08/30/21	08/30/21	RAO
Method: SM 2150B										
Odor	ND		TON	1.0		1	272432	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM 2330B										
CCPP	**0.39**		SU			1	273191	09/01/21	09/01/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272489	08/18/21 14:59	08/18/21 14:59	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.24**		mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.47**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**7.43**	H	SU			1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Temperature	**14.30**	H	deg C	1.00		1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.35**	B,J	mg/L	0.40	0.030	1	272502	08/19/21	08/19/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.37**		mg/L	0.020	0.010	1	272505	08/18/21	08/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Coliform, Total	**250**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Method: SM2120B										
Color	**25**		ColorUnits	5		1	272431	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2130B										
Turbidity	**23**		NTU	0.10	0.07	1	272433	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**480**		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**400**		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	272532	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**31**		mg/L	0.6		1.1	272613	08/19/21	08/19/21	ATP
Method: SM5540C										
Surfactants (MBAS)	**0.28**		mg/L	0.040	0.027	1	272534	08/18/21 08:00	08/18/21 17:08	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

Sample ID: MCWP-MW07D	Lab ID: 449342-003	Collected: 08/17/21 11:45
	Matrix: Water	

449342-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.22**		mg/L	0.050	0.0080	1	272440	08/18/21	08/23/21	KLN
Calcium	**48**		mg/L	0.10	0.021	1	272440	08/18/21	08/18/21	KLN
Iron	**1.4**		mg/L	0.020	0.0066	1	272440	08/18/21	08/18/21	KLN
Magnesium	**29**		mg/L	0.10	0.049	1	272440	08/18/21	08/18/21	KLN
Manganese	**0.18**		mg/L	0.010	0.00061	1	272440	08/18/21	08/18/21	KLN
Potassium	**3.9**		mg/L	0.50	0.18	1	272440	08/18/21	08/18/21	KLN
Sodium	**89**		mg/L	0.50	0.035	1	272440	08/18/21	08/18/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**870**		ug/L	50	16	5	272457	08/18/21	08/31/21	SBW
Antimony	**11**		ug/L	2.5	0.30	5	272457	08/18/21	08/29/21	SBW
Arsenic	ND		ug/L	2.0	0.38	1	272457	08/18/21	08/25/21	SBW
Barium	**34**		ug/L	25	1.4	5	272457	08/18/21	08/29/21	SBW
Beryllium	ND		ug/L	2.5	0.25	5	272457	08/18/21	08/31/21	SBW
Cadmium	**0.25**	J	ug/L	1.0	0.17	5	272457	08/18/21	08/29/21	SBW
Chromium	**4.8**	B,J	ug/L	5.0	2.4	5	272457	08/18/21	08/31/21	SBW
Copper	**14**		ug/L	0.50	0.050	1	272457	08/18/21	08/25/21	SBW
Lead	**2.2**	J	ug/L	2.5	0.22	5	272457	08/18/21	08/29/21	SBW
Nickel	**7.1**		ug/L	1.0	0.20	1	272457	08/18/21	08/25/21	SBW
Selenium	**0.99**	J	ug/L	2.0	0.27	1	272457	08/18/21	08/25/21	SBW
Silver	ND		ug/L	1.0	0.13	5	272457	08/18/21	08/29/21	SBW
Thallium	ND		ug/L	5.0	1.2	5	272457	08/18/21	08/29/21	SBW
Zinc	**48**		ug/L	10	4.2	1	272457	08/18/21	08/25/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	272763	08/24/21	08/24/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**180**		mg/L	5.0	0.50	1	272449	08/17/21 17:19	08/18/21 09:48	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272449	08/17/21 17:19	08/18/21 09:48	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272449	08/17/21 17:19	08/18/21 09:48	JCP
Sulfate	**160**		mg/L	10	2.5	10	272449	08/17/21 17:19	08/18/21 12:43	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	272449	08/17/21 17:19	08/18/21 09:48	JCP
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.53	1	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	0.23	1	273128	08/31/21	08/31/21	RAO
Acrolein	ND		ug/L	5.0	3.3	1	272427	08/18/21	08/18/21	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acrylonitrile	ND		ug/L	2.0	0.7	1	272427	08/18/21	08/18/21	TCN
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	273055	08/30/21	08/30/21	RAO
Benzene	ND		ug/L	0.50	0.32	1	273055	08/30/21	08/30/21	RAO
Trichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Toluene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Chlorobenzene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Chloromethane	ND		ug/L	0.50	0.34	1	273055	08/30/21	08/30/21	RAO
Vinyl Chloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
Bromomethane	ND		ug/L	1.0	0.46	1	273055	08/30/21	08/30/21	RAO
Chloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Freon 113	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Methylene Chloride	ND		ug/L	0.50	0.42	1	273055	08/30/21	08/30/21	RAO
MTBE	ND		ug/L	0.50	0.15	1	273128	08/31/21	08/31/21	RAO
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Chloroform	**0.14**	J	ug/L	0.50	0.13	1	273128	08/31/21	08/31/21	RAO
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Bromodichloromethane	ND		ug/L	0.50	0.25	1	273055	08/30/21	08/30/21	RAO
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	273055	08/30/21	08/30/21	RAO
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	273055	08/30/21	08/30/21	RAO
Tetrachloroethene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Dibromochloromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Ethylbenzene	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
m,p-Xylenes	ND		ug/L	1.0	0.43	1	273055	08/30/21	08/30/21	RAO
Styrene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Bromoform	ND		ug/L	0.50	0.22	1	273055	08/30/21	08/30/21	RAO
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Surrogates				**Limits**						
Bromofluorobenzene	99%		%REC	70-140	0.83	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane-d4	91%		%REC	70-140	3.0	1	273055	08/30/21	08/30/21	RAO
Dibromofluoromethane	117%		%REC	70-140		1	273055	08/30/21	08/30/21	RAO
Toluene-d8	101%		%REC	70-140	0.35	1	273055	08/30/21	08/30/21	RAO
Method: SM 2150B										
Odor	ND		TON	1.0		1	272432	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM 2330B										
CCPP	**-0.59**		SU			1	273191	09/01/21	09/01/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272489	08/18/21 14:59	08/18/21 14:59	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.010**		mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.43**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**7.43**	H	SU			1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Temperature	**12.40**	H	deg C	1.00		1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.49**		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	272502	08/19/21	08/19/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.39**		mg/L	0.020	0.010	1	272505	08/18/21	08/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	**3.1**		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.0**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Coliform, Total	**5.2**		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Method: SM2120B										
Color	**60**		ColorUnits	5		1	272431	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2130B										
Turbidity	**12**		NTU	0.10	0.07	1	272433	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**100**		mg/L	10		2	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	10		2	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	10		2	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**85**		mg/L	10		2	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**670**		mg/L	20		2	272532	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**29**		mg/L	0.6		1.1	272613	08/19/21	08/19/21	ATP
Method: SM5540C										
Surfactants (MBAS)	**4.4**		mg/L	0.20	0.14	5	272534	08/18/21 08:00	08/18/21 17:08	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

Sample ID: MCWP-MW09	Lab ID: 449342-004	Collected: 08/17/21 13:00
	Matrix: Water	

449342-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.94**		mg/L	0.050	0.0080	1	272440	08/18/21	08/23/21	KLN
Calcium	**150**		mg/L	0.10	0.021	1	272440	08/18/21	08/18/21	KLN
Iron	**0.78**		mg/L	0.020	0.0066	1	272440	08/18/21	08/18/21	KLN
Magnesium	**150**		mg/L	0.10	0.049	1	272440	08/18/21	08/18/21	KLN
Manganese	**0.21**		mg/L	0.010	0.00061	1	272440	08/18/21	08/18/21	KLN
Potassium	**25**		mg/L	0.50	0.18	1	272440	08/18/21	08/18/21	KLN
Sodium	**880**		mg/L	0.50	0.035	1	272440	08/18/21	08/18/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**81**		ug/L	50	16	5	272457	08/18/21	08/31/21	SBW
Antimony	**0.35**	B,J	ug/L	2.5	0.30	5	272457	08/18/21	08/29/21	SBW
Arsenic	ND		ug/L	2.0	0.38	1	272457	08/18/21	08/25/21	SBW
Barium	**31**		ug/L	25	1.4	5	272457	08/18/21	08/29/21	SBW
Beryllium	ND		ug/L	2.5	0.25	5	272457	08/18/21	08/31/21	SBW
Cadmium	ND		ug/L	1.0	0.17	5	272457	08/18/21	08/29/21	SBW
Chromium	ND		ug/L	5.0	2.4	5	272457	08/18/21	08/31/21	SBW
Copper	**5.9**		ug/L	0.50	0.050	1	272457	08/18/21	08/25/21	SBW
Lead	ND		ug/L	2.5	0.22	5	272457	08/18/21	08/29/21	SBW
Nickel	**4.8**		ug/L	1.0	0.20	1	272457	08/18/21	08/25/21	SBW
Selenium	**17**		ug/L	2.0	0.27	1	272457	08/18/21	08/25/21	SBW
Silver	ND		ug/L	1.0	0.13	5	272457	08/18/21	08/29/21	SBW
Thallium	ND		ug/L	5.0	1.2	5	272457	08/18/21	08/29/21	SBW
Zinc	**35**		ug/L	10	4.2	1	272457	08/18/21	08/25/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	272763	08/24/21	08/24/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**1,400**		mg/L	250	25	50	272449	08/17/21 17:19	08/18/21 13:06	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272449	08/17/21 17:19	08/18/21 10:09	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272449	08/17/21 17:19	08/18/21 10:09	JCP
Sulfate	**680**		mg/L	50	13	50	272449	08/17/21 17:19	08/18/21 13:06	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	272449	08/17/21 17:19	08/18/21 10:09	JCP
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	10	2.7	5	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	0.23	1	273128	08/31/21	08/31/21	RAO
Acrolein	ND		ug/L	5.0	3.3	1	272427	08/18/21	08/18/21	TCN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acrylonitrile	ND		ug/L	2.0	0.7	1	272427	08/18/21	08/18/21	TCN
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	273055	08/30/21	08/30/21	RAO
Benzene	ND		ug/L	0.50	0.32	1	273055	08/30/21	08/30/21	RAO
Trichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Toluene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Chlorobenzene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Chloromethane	ND		ug/L	0.50	0.34	1	273055	08/30/21	08/30/21	RAO
Vinyl Chloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
Bromomethane	ND		ug/L	1.0	0.46	1	273055	08/30/21	08/30/21	RAO
Chloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Freon 113	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Methylene Chloride	ND		ug/L	0.50	0.42	1	273055	08/30/21	08/30/21	RAO
MTBE	ND		ug/L	0.50	0.15	1	273128	08/31/21	08/31/21	RAO
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
Chloroform	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
Bromodichloromethane	ND		ug/L	0.50	0.25	1	273055	08/30/21	08/30/21	RAO
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	273055	08/30/21	08/30/21	RAO
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	273055	08/30/21	08/30/21	RAO
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	273055	08/30/21	08/30/21	RAO
Tetrachloroethene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Dibromochloromethane	ND		ug/L	0.50	0.36	1	273055	08/30/21	08/30/21	RAO
Ethylbenzene	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
m,p-Xylenes	ND		ug/L	1.0	0.43	1	273055	08/30/21	08/30/21	RAO
Styrene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
Bromoform	ND		ug/L	0.50	0.22	1	273055	08/30/21	08/30/21	RAO
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	273055	08/30/21	08/30/21	RAO
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	273055	08/30/21	08/30/21	RAO
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	273055	08/30/21	08/30/21	RAO
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	273055	08/30/21	08/30/21	RAO
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	273055	08/30/21	08/30/21	RAO
Surrogates				**Limits**						
Bromofluorobenzene	103%		%REC	70-140	0.83	1	273055	08/30/21	08/30/21	RAO
1,2-Dichloroethane-d4	95%		%REC	70-140	3.0	1	273055	08/30/21	08/30/21	RAO
Dibromofluoromethane	114%		%REC	70-140		1	273055	08/30/21	08/30/21	RAO
Toluene-d8	103%		%REC	70-140	0.35	1	273055	08/30/21	08/30/21	RAO
Method: SM 2150B										
Odor	ND		TON	1.0		1	272432	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM 2330B										
CCPP	**0.040**		SU			1	273191	09/01/21	09/01/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449342

449342-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272489	08/18/21 14:59	08/18/21 14:59	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.024**		mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.46**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**7.17**	H	SU			1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Temperature	**13.00**	H	deg C	1.00		1	272480	08/18/21 12:50	08/18/21 12:50	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**3.2**		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**3.5**		mg/L	0.40	0.030	1	272502	08/19/21	08/19/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.19**		mg/L	0.020	0.010	1	272505	08/18/21	08/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Coliform, Total	<1.0		MPN/100ml	1.0		1	272456	08/17/21 18:05	08/18/21 16:50	CCO
Method: SM2120B										
Color	**30**		ColorUnits	5		1	272431	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2130B										
Turbidity	**3.9**		NTU	0.10	0.07	1	272433	08/17/21 18:30	08/17/21 18:30	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**370**		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**300**		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,600**		mg/L	20		2	272532	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**4.3**		mg/L	0.6		1.1	272613	08/19/21	08/19/21	ATP
Method: SM5540C										
Surfactants (MBAS)	**0.052**		mg/L	0.040	0.027	1	272534	08/18/21 08:00	08/18/21 17:08	ATP

< Value is less than indicated concentration
B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC939420	**Batch:** 272427
Matrix: Water	**Method:** EPA 524.2	**Prep Method:** METHOD

QC939420 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrolein	ND		ug/L	5.0	3.3	08/18/21	08/18/21
Acrylonitrile	ND		ug/L	2.0	0.7	08/18/21	08/18/21
1,1-Dichloroethene	ND		ug/L	0.50	0.16	08/18/21	08/18/21
Benzene	ND		ug/L	0.50	0.12	08/18/21	08/18/21
Trichloroethene	ND		ug/L	0.50	0.088	08/18/21	08/18/21
Toluene	ND		ug/L	0.50	0.091	08/18/21	08/18/21
Chlorobenzene	ND		ug/L	0.50	0.075	08/18/21	08/18/21
Chloromethane	ND		ug/L	0.50	0.16	08/18/21	08/18/21
Vinyl Chloride	ND		ug/L	0.50	0.076	08/18/21	08/18/21
Bromomethane	ND		ug/L	1.0	0.68	08/18/21	08/18/21
Chloroethane	ND		ug/L	0.50	0.45	08/18/21	08/18/21
Trichlorofluoromethane	ND		ug/L	0.50	0.12	08/18/21	08/18/21
Freon 113	ND		ug/L	0.50	0.35	08/18/21	08/18/21
Methylene Chloride	0.49	J	ug/L	2.0	0.20	08/18/21	08/18/21
MTBE	ND		ug/L	0.50	0.15	08/18/21	08/18/21
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.15	08/18/21	08/18/21
1,1-Dichloroethane	ND		ug/L	0.50	0.091	08/18/21	08/18/21
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.067	08/18/21	08/18/21
Chloroform	ND		ug/L	0.50	0.13	08/18/21	08/18/21
1,1,1-Trichloroethane	ND		ug/L	0.50	0.16	08/18/21	08/18/21
Carbon Tetrachloride	ND		ug/L	0.50	0.11	08/18/21	08/18/21
1,2-Dichloroethane	ND		ug/L	0.50	0.14	08/18/21	08/18/21
1,2-Dichloropropane	ND		ug/L	0.50	0.14	08/18/21	08/18/21
Bromodichloromethane	ND		ug/L	0.50	0.054	08/18/21	08/18/21
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.062	08/18/21	08/18/21
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.099	08/18/21	08/18/21
1,1,2-Trichloroethane	ND		ug/L	0.50	0.16	08/18/21	08/18/21
Tetrachloroethene	ND		ug/L	0.50	0.20	08/18/21	08/18/21
Dibromochloromethane	ND		ug/L	0.50	0.21	08/18/21	08/18/21
Ethylbenzene	ND		ug/L	0.50	0.14	08/18/21	08/18/21
m,p-Xylenes	0.21	J	ug/L	1.0	0.14	08/18/21	08/18/21
Styrene	ND		ug/L	0.50	0.077	08/18/21	08/18/21
Bromoform	ND		ug/L	0.50	0.20	08/18/21	08/18/21
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.13	08/18/21	08/18/21
1,3-Dichlorobenzene	ND		ug/L	0.50	0.12	08/18/21	08/18/21
1,4-Dichlorobenzene	ND		ug/L	0.50	0.12	08/18/21	08/18/21
1,2-Dichlorobenzene	ND		ug/L	0.50	0.15	08/18/21	08/18/21
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	08/18/21	08/18/21
Surrogates				**Limits**			
Bromofluorobenzene	98%		%REC	70-140	1.3	08/18/21	08/18/21
1,2-Dichloroethane-d4	91%		%REC	70-140	2.5	08/18/21	08/18/21
Dibromofluoromethane	94%		%REC	70-140	2.4	08/18/21	08/18/21

ENTHALPY ANALYTICAL

Batch QC

QC939420 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Toluene-d8	103%		%REC	70-140	1.2	08/18/21	08/18/21

Type: Lab Control Sample **Lab ID:** QC939421 **Batch:** 272427
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC939421 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Acrylonitrile	48.18	50.00	ug/L	96%		67-130
1,1-Dichloroethene	50.77	50.00	ug/L	102%		70-135
Benzene	49.63	50.00	ug/L	99%		70-130
Trichloroethene	52.52	50.00	ug/L	105%		70-130
Toluene	51.20	50.00	ug/L	102%		70-130
Chlorobenzene	50.91	50.00	ug/L	102%		70-130
MTBE	49.33	50.00	ug/L	99%		70-130
Surrogates						
Bromofluorobenzene	52.83	50.00	ug/L	106%		70-140
1,2-Dichloroethane-d4	49.18	50.00	ug/L	98%		70-140
Dibromofluoromethane	50.46	50.00	ug/L	101%		70-140
Toluene-d8	50.82	50.00	ug/L	102%		70-140

Type: Lab Control Sample Duplicate **Lab ID:** QC939422 **Batch:** 272427
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC939422 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Acrylonitrile	49.76	50.00	ug/L	100%		67-130	3	43
1,1-Dichloroethene	50.69	50.00	ug/L	101%		70-135	0	30
Benzene	49.93	50.00	ug/L	100%		70-130	1	30
Trichloroethene	51.33	50.00	ug/L	103%		70-130	2	30
Toluene	50.61	50.00	ug/L	101%		70-130	1	30
Chlorobenzene	51.25	50.00	ug/L	103%		70-130	1	30
MTBE	49.07	50.00	ug/L	98%		70-130	1	30
Surrogates								
Bromofluorobenzene	49.80	50.00	ug/L	100%		70-140		
1,2-Dichloroethane-d4	51.42	50.00	ug/L	103%		70-140		
Dibromofluoromethane	51.11	50.00	ug/L	102%		70-140		
Toluene-d8	49.77	50.00	ug/L	100%		70-140		

Type: Sample Duplicate **Lab ID:** QC939439 **Batch:** 272431
Matrix (Source ID): Drinking Water (449329-001) **Method:** SM2120B

QC939439 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate		**Lab ID:** QC939440	**Batch:** 272432
Matrix (Source ID): Water (449342-001)		**Method:** SM 2150B	

QC939440 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate		**Lab ID:** QC939441	**Batch:** 272433
Matrix (Source ID): Drinking Water (449329-001)		**Method:** SM2130B	

QC939441 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1100	0.1140	NTU		4	20	1

Type: Blank	**Lab ID:** QC939456	**Batch:** 272440
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC939456 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	08/18/21	08/18/21
Calcium	ND		mg/L	0.10	0.021	08/18/21	08/18/21
Iron	ND		mg/L	0.020	0.0066	08/18/21	08/18/21
Magnesium	ND		mg/L	0.10	0.049	08/18/21	08/18/21
Manganese	ND		mg/L	0.010	0.00061	08/18/21	08/18/21
Potassium	ND		mg/L	0.50	0.18	08/18/21	08/18/21
Sodium	ND		mg/L	0.50	0.035	08/18/21	08/18/21
Selenium	ND		mg/L	0.030	0.0022	08/18/21	08/18/21

Type: Lab Control Sample	**Lab ID:** QC939457	**Batch:** 272440
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC939457 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.5346	0.5000	mg/L	107%		85-115
Calcium	19.38	18.50	mg/L	105%		85-115
Iron	0.5489	0.5000	mg/L	110%		85-115
Magnesium	19.61	18.50	mg/L	106%		85-115
Manganese	0.5514	0.5000	mg/L	110%		85-115
Potassium	24.75	23.00	mg/L	108%		85-115
Sodium	18.86	18.50	mg/L	102%		85-115
Selenium	0.5262	0.5000	mg/L	105%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC939458	Batch:	272440
Matrix (Source ID):	Water (449304-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939458 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.088	0.5307	0.5000	mg/L	111%		75-125	1
Calcium	71.12	50.38	19.50	mg/L	106%		75-125	1
Iron	0.6022	0.04365	0.5000	mg/L	112%		75-125	1
Magnesium	41.00	18.91	19.50	mg/L	113%		75-125	1
Manganese	0.6243	0.06405	0.5000	mg/L	112%		75-125	1
Potassium	33.34	6.241	24.00	mg/L	113%		75-125	1
Sodium	323.8	290.6	19.50	mg/L	170%	NM	75-125	1
Selenium	0.5442	ND	0.5000	mg/L	109%		75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC939459	Batch:	272440
Matrix (Source ID):	Water (449304-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939459 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.060	0.5307	0.5000	mg/L	106%		75-125	3	20	1
Calcium	69.43	50.38	19.50	mg/L	98%		75-125	2	20	1
Iron	0.5959	0.04365	0.5000	mg/L	110%		75-125	1	20	1
Magnesium	40.17	18.91	19.50	mg/L	109%		75-125	2	20	1
Manganese	0.6167	0.06405	0.5000	mg/L	111%		75-125	1	20	1
Potassium	33.11	6.241	24.00	mg/L	112%		75-125	1	20	1
Sodium	314.7	290.6	19.50	mg/L	124%	NM	75-125	3	20	1
Selenium	0.5314	ND	0.5000	mg/L	106%		75-125	2	20	1

Type:	Matrix Spike	Lab ID:	QC939460	Batch:	272440
Matrix (Source ID):	Water (449304-004)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939460 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.274	0.7392	0.5000	mg/L	107%		75-125	1
Calcium	67.49	49.68	19.50	mg/L	91%		75-125	1
Iron	1.617	1.015	0.5000	mg/L	120%		75-125	1
Magnesium	39.15	19.28	19.50	mg/L	102%		75-125	1
Manganese	0.6034	0.06754	0.5000	mg/L	107%		75-125	1
Potassium	32.02	6.082	24.00	mg/L	108%		75-125	1
Sodium	573.9	572.7	19.50	mg/L	6%	NM	75-125	1
Selenium	0.4602	ND	0.5000	mg/L	92%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939461**	**Batch:**	**272440**
Matrix (Source ID):	**Water (449304-004)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC939461 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.251	0.7392	0.5000	mg/L	102%		75-125	2	20	1
Calcium	67.32	49.68	19.50	mg/L	90%		75-125	0	20	1
Iron	1.481	1.015	0.5000	mg/L	93%		75-125	9	20	1
Magnesium	38.75	19.28	19.50	mg/L	100%		75-125	1	20	1
Manganese	0.6035	0.06754	0.5000	mg/L	107%		75-125	0	20	1
Potassium	32.33	6.082	24.00	mg/L	109%		75-125	1	20	1
Sodium	563.5	572.7	19.50	mg/L	-47%	NM	75-125	2	20	1
Selenium	0.4953	ND	0.5000	mg/L	99%		75-125	7	20	1

Type:	**Blank**	**Lab ID:**	**QC939463**	**Batch:**	**272441**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC939463 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Calcium	ND		mg/L	0.10	0.021	08/18/21	08/18/21
Iron	ND		mg/L	0.020	0.0066	08/18/21	08/18/21
Magnesium	ND		mg/L	0.10	0.049	08/18/21	08/18/21
Manganese	ND		mg/L	0.010	0.00061	08/18/21	08/18/21
Sodium	0.077	J	mg/L	0.50	0.035	08/18/21	08/18/21
Selenium	ND		mg/L	0.030	0.0022	08/18/21	08/18/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC939464**	**Batch:**	**272441**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC939464 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Calcium	19.77	18.50	mg/L	107%		85-115
Iron	0.5609	0.5000	mg/L	112%		85-115
Magnesium	20.06	18.50	mg/L	108%		85-115
Manganese	0.5644	0.5000	mg/L	113%		85-115
Sodium	19.24	18.50	mg/L	104%		85-115
Selenium	0.5341	0.5000	mg/L	107%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC939465**	**Batch:**	**272441**
Matrix (Source ID):	**Water (449342-002)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC939465 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Calcium	115.9	99.66	19.50	mg/L	83%	NM	75-125	1
Iron	15.47	14.67	0.5000	mg/L	160%	NM	75-125	1
Magnesium	107.3	89.98	19.50	mg/L	89%	NM	75-125	1
Manganese	1.221	0.6995	0.5000	mg/L	104%		75-125	1
Sodium	216.7	204.7	19.50	mg/L	62%	NM	75-125	1
Selenium	0.5222	0.003251	0.5000	mg/L	104%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939466**	**Batch:**	**272441**
Matrix (Source ID):	**Water (449342-002)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC939466 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Calcium	120.2	99.66	19.50	mg/L	105%	NM	75-125	4	20	1
Iron	16.19	14.67	0.5000	mg/L	305%	NM	75-125	5	20	1
Magnesium	111.6	89.98	19.50	mg/L	111%	NM	75-125	4	20	1
Manganese	1.258	0.6995	0.5000	mg/L	112%		75-125	3	20	1
Sodium	225.4	204.7	19.50	mg/L	106%	NM	75-125	4	20	1
Selenium	0.5374	0.003251	0.5000	mg/L	107%		75-125	3	20	1

Type:	**Blank**	**Lab ID:**	**QC939484**	**Batch:**	**272449**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939484 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.50	08/17/21 17:19	08/17/21 19:10
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	08/17/21 17:19	08/17/21 19:10
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/17/21 17:19	08/17/21 19:10
Sulfate	ND		mg/L	1.0	0.25	08/17/21 17:19	08/17/21 19:10
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/17/21 17:19	08/17/21 19:10

Type:	**Lab Control Sample**	**Lab ID:**	**QC939485**	**Batch:**	**272449**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939485 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	96.83	100.0	mg/L	97%		90-110
Nitrogen, Nitrite	8.904	9.134	mg/L	97%		90-110
Nitrogen, Nitrate	8.671	9.036	mg/L	96%		90-110
Sulfate	51.88	50.00	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC939486**	**Batch:**	**272449**
Matrix (Source ID):	**Water (449226-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939486 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	132.3	53.51	100.0	mg/L	79%	*	80-120	10
Nitrogen, Nitrite	8.762	ND	9.134	mg/L	96%		80-120	10
Nitrogen, Nitrate	10.64	2.027	9.036	mg/L	95%		80-120	10
Sulfate	99.47	51.51	50.00	mg/L	96%		80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939487**	**Batch:**	**272449**
Matrix (Source ID):	**Water (449226-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939487 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	132.5	53.51	100.0	mg/L	79%	*	80-120	0	20	10
Nitrogen, Nitrite	8.880	ND	9.134	mg/L	97%		80-120	1	20	10
Nitrogen, Nitrate	10.62	2.027	9.036	mg/L	95%		80-120	0	20	10
Sulfate	100.4	51.51	50.00	mg/L	98%		80-120	1	20	10

Type:	**Blank**	**Lab ID:**	**QC939494**	**Batch:**	**272457**
Matrix:	**Sea Water**	**Method:**	**EPA 200.8**	**Prep Method:**	**EPA 200.8**

QC939494 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aluminum	ND		ug/L	10	3.2	08/18/21	08/31/21
Antimony	ND		ug/L	0.50	0.060	08/18/21	08/31/21
Arsenic	ND		ug/L	2.0	0.38	08/18/21	08/24/21
Barium	ND		ug/L	5.0	0.28	08/18/21	08/29/21
Beryllium	ND		ug/L	0.50	0.050	08/18/21	08/29/21
Cadmium	ND		ug/L	0.20	0.033	08/18/21	08/29/21
Chromium	0.99	J	ug/L	1.0	0.48	08/18/21	08/31/21
Copper	ND		ug/L	0.50	0.050	08/18/21	08/24/21
Lead	ND		ug/L	0.50	0.044	08/18/21	08/29/21
Nickel	ND		ug/L	1.0	0.20	08/18/21	08/24/21
Selenium	ND		ug/L	2.0	0.27	08/18/21	08/29/21
Silver	0.029	J	ug/L	0.20	0.025	08/18/21	08/27/21
Thallium	ND		ug/L	1.0	0.23	08/18/21	08/29/21
Zinc	ND		ug/L	10	4.2	08/18/21	08/24/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC939495	**Batch:** 272457
Matrix: Sea Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC939495 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	53.54	50.00	ug/L	107%		85-115
Antimony	51.79	50.00	ug/L	104%		85-115
Arsenic	50.24	50.00	ug/L	100%		85-115
Barium	52.64	50.00	ug/L	105%		85-115
Beryllium	48.02	50.00	ug/L	96%		85-115
Cadmium	50.99	50.00	ug/L	102%		85-115
Chromium	54.28	50.00	ug/L	109%		85-115
Copper	44.33	50.00	ug/L	89%		85-115
Lead	51.82	50.00	ug/L	104%		85-115
Nickel	51.58	50.00	ug/L	103%		85-115
Selenium	45.22	50.00	ug/L	90%		85-115
Silver	51.89	50.00	ug/L	104%		85-115
Thallium	50.89	50.00	ug/L	102%		85-115
Zinc	56.41	50.00	ug/L	113%		85-115

Type: Matrix Spike	**Lab ID:** QC939496	**Batch:** 272457
Matrix (Source ID): Water (449317-001)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC939496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	55.95	4.633	50.00	ug/L	103%	b	70-130	1
Antimony	52.56	ND	50.00	ug/L	105%		70-130	1
Arsenic	52.03	0.9610	50.00	ug/L	102%		70-130	1
Barium	51.60	0.2940	50.00	ug/L	103%		70-130	1
Beryllium	42.73	ND	50.00	ug/L	85%		70-130	1
Cadmium	50.13	ND	50.00	ug/L	100%		70-130	1
Chromium	57.18	6.715	50.00	ug/L	101%		70-130	1
Copper	44.95	0.2920	50.00	ug/L	89%		70-130	1
Lead	52.02	ND	50.00	ug/L	104%		70-130	1
Nickel	45.24	ND	50.00	ug/L	90%		70-130	1
Selenium	47.08	ND	50.00	ug/L	94%		70-130	1
Silver	51.90	0.02500	50.00	ug/L	104%		70-130	1
Thallium	51.14	ND	50.00	ug/L	102%		70-130	1
Zinc	50.00	ND	50.00	ug/L	100%		70-130	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC939497	Batch:	272457
Matrix (Source ID):	Water (449317-001)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC939497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aluminum	56.33	4.633	50.00	ug/L	103%	b	70-130	1	20	1
Antimony	53.33	ND	50.00	ug/L	107%		70-130	1	20	1
Arsenic	52.33	0.9610	50.00	ug/L	103%		70-130	1	20	1
Barium	52.37	0.2940	50.00	ug/L	104%		70-130	1	20	1
Beryllium	43.47	ND	50.00	ug/L	87%		70-130	2	20	1
Cadmium	50.78	ND	50.00	ug/L	102%		70-130	1	20	1
Chromium	58.60	6.715	50.00	ug/L	104%		70-130	2	20	1
Copper	46.43	0.2920	50.00	ug/L	92%		70-130	3	20	1
Lead	52.88	ND	50.00	ug/L	106%		70-130	2	20	1
Nickel	45.92	ND	50.00	ug/L	92%		70-130	1	20	1
Selenium	48.54	ND	50.00	ug/L	97%		70-130	3	20	1
Silver	52.42	0.02500	50.00	ug/L	105%		70-130	1	20	1
Thallium	52.51	ND	50.00	ug/L	105%		70-130	3	20	1
Zinc	52.37	ND	50.00	ug/L	105%		70-130	5	20	1

Type:	Sample Duplicate	Lab ID:	QC939518	Batch:	272480
Matrix (Source ID):	Water (449342-001)	Method:	SM 4500-H+ B		

QC939518 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.600	7.610	SU		0	20	1
Temperature	12.50	12.50	deg C		0	20	1

Type:	Blank	Lab ID:	QC939539	Batch:	272489
Matrix:	Water	Method:	SM 4500-CL-G		

QC939539 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	08/18/21 14:59	08/18/21 14:59

Type:	Lab Control Sample	Lab ID:	QC939540	Batch:	272489
Matrix:	Water	Method:	SM 4500-CL-G		

QC939540 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	1.028	1.000	mg/L	103%		80-120

Batch QC

Type: Sample Duplicate	Lab ID: QC939541	Batch: 272489
Matrix (Source ID): Water (449317-001)	Method: SM 4500-CL-G	

QC939541 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank	Lab ID: QC939565	Batch: 272498
Matrix: Water	Method: EPA 314.0	Prep Method: METHOD

QC939565 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.53	08/18/21	08/19/21

Type: Lab Control Sample	Lab ID: QC939566	Batch: 272498
Matrix: Water	Method: EPA 314.0	Prep Method: METHOD

QC939566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	48.30	50.00	ug/L	97%		85-115

Type: Matrix Spike	Lab ID: QC939567	Batch: 272498
Matrix (Source ID): Water (449342-003)	Method: EPA 314.0	Prep Method: METHOD

QC939567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	50.42	ND	50.00	ug/L	101%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC939568	Batch: 272498
Matrix (Source ID): Water (449342-003)	Method: EPA 314.0	Prep Method: METHOD

QC939568 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	49.19	ND	50.00	ug/L	98%		80-120	2	15	1

Type: Blank	Lab ID: QC939583	Batch: 272502
Matrix: Water	Method: SM 4500-NH3-G	

QC939583 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.12	J	mg/L	0.20	0.015	08/19/21	08/19/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC939584 **Batch:** 272502
Matrix: Water **Method:** SM 4500-NH3-G

QC939584 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.297	2.500	mg/L	92%		80-120

Type: Matrix Spike **Lab ID:** QC939585 **Batch:** 272502
Matrix (Source ID): Water (449096-001) **Method:** SM 4500-NH3-G

QC939585 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.68	1.298	12.50	mg/L	99%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC939586 **Batch:** 272502
Matrix (Source ID): Water (449096-001) **Method:** SM 4500-NH3-G

QC939586 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	14.82	1.298	12.50	mg/L	108%		80-120	8	20	2.5

Type: Blank **Lab ID:** QC939595 **Batch:** 272505
Matrix: Water **Method:** SM 4500-P-B5-E

QC939595 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/18/21	08/18/21

Type: Lab Control Sample **Lab ID:** QC939596 **Batch:** 272505
Matrix: Water **Method:** SM 4500-P-B5-E

QC939596 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3770	0.4000	mg/L	94%		80-120

Type: Matrix Spike **Lab ID:** QC939597 **Batch:** 272505
Matrix (Source ID): Water (449116-002) **Method:** SM 4500-P-B5-E

QC939597 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.330	0.3730	1.000	mg/L	96%		75-125	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939598**	**Batch:**	**272505**
Matrix (Source ID):	**Water (449116-002)**	**Method:**	**SM 4500-P-B5-E**		

QC939598 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.343	0.3730	1.000	mg/L	97%		75-125	1	20	2.5

Type:	**Blank**	**Lab ID:**	**QC939698**	**Batch:**	**272532**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC939698 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/19/21	08/20/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC939699**	**Batch:**	**272532**
Matrix:	**Water**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC939699 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	102.0	100.0	mg/L	102%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC939700**	**Batch:**	**272532**
Matrix (Source ID):	**Water (449342-004)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC939700 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	3,742	3618	mg/L		3	5	2

Type:	**Blank**	**Lab ID:**	**QC939704**	**Batch:**	**272534**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC939704 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	08/18/21 08:00	08/18/21 17:08

Type:	**Lab Control Sample**	**Lab ID:**	**QC939705**	**Batch:**	**272534**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC939705 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.042	1.000	mg/L	104%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC939706	**Batch:** 272534
Matrix (Source ID): Water (449342-004)	**Method:** SM5540C	

QC939706 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.234	0.05160	1.000	mg/L	118%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC939707	**Batch:** 272534
Matrix (Source ID): Water (449342-004)	**Method:** SM5540C	

QC939707 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.234	0.05160	1.000	mg/L	118%		80-120	0	20	1

Type: Lab Control Sample	**Lab ID:** QC939744	**Batch:** 272549
Matrix: Water	**Method:** SM 4500-F-C	

QC939744 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	0.9900	1.000	mg/L	99%		80-120

Type: Matrix Spike	**Lab ID:** QC939745	**Batch:** 272549
Matrix (Source ID): Water (449404-003)	**Method:** SM 4500-F-C	

QC939745 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.550	0.5520	1.000	mg/L	100%		75-125	1

Type: Matrix Spike Duplicate	**Lab ID:** QC939746	**Batch:** 272549
Matrix (Source ID): Water (449404-003)	**Method:** SM 4500-F-C	

QC939746 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.560	0.5520	1.000	mg/L	101%		75-125	1	20	1

Type: Blank	**Lab ID:** QC939842	**Batch:** 272584
Matrix: Water	**Method:** SM 5310B	

QC939842 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	08/19/21	08/19/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC939843	**Batch:** 272584
Matrix: Water	**Method:** SM 5310B	

QC939843 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.350	10.00	mg/L	94%		80-120

Type: Matrix Spike	**Lab ID:** QC939844	**Batch:** 272584
Matrix (Source ID): Water (449250-004)	**Method:** SM 5310B	

QC939844 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	50.55	9.975	40.00	mg/L	101%		80-120	4

Type: Matrix Spike Duplicate	**Lab ID:** QC939845	**Batch:** 272584
Matrix (Source ID): Water (449250-004)	**Method:** SM 5310B	

QC939845 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	54.11	9.975	40.00	mg/L	110%		80-120	7	20	4

Type: Blank	**Lab ID:** QC939920	**Batch:** 272613
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC939920 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/19/21	08/19/21

Type: Sample Duplicate	**Lab ID:** QC939921	**Batch:** 272613
Matrix (Source ID): Water (449248-002)	**Method:** SM2540D	**Prep Method:** METHOD

QC939921 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	264.0	257.0	mg/L		3	5	10

Type: Blank	**Lab ID:** QC940266	**Batch:** 272710
Matrix: Water	**Method:** SM 4500-NH3-G	

QC940266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/24/21	08/24/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC940267	**Batch:** 272710
Matrix: Water	**Method:** SM 4500-NH3-G	

QC940267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.396	2.500	mg/L	96%		80-120

Type: Matrix Spike	**Lab ID:** QC940268	**Batch:** 272710
Matrix (Source ID): Water (449481-001)	**Method:** SM 4500-NH3-G	

QC940268 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	3.528	0.2240	2.500	mg/L	132%	*	80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC940269	**Batch:** 272710
Matrix (Source ID): Water (449481-001)	**Method:** SM 4500-NH3-G	

QC940269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	3.529	0.2240	2.500	mg/L	132%	*	80-120	0	20	1

Type: Blank	**Lab ID:** QC940355	**Batch:** 272753
Matrix: Water	**Method:** SM2320B	**Prep Method:** METHOD

QC940355 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/24/21	08/24/21
Carbonate	ND		mg/L	5.0		08/24/21	08/24/21
Hydroxide	ND		mg/L	5.0		08/24/21	08/24/21
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/24/21	08/24/21

Type: Lab Control Sample	**Lab ID:** QC940356	**Batch:** 272753
Matrix: Water	**Method:** SM2320B	**Prep Method:** METHOD

QC940356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	971.7	1000	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	Lab ID: QC940357	Batch: 272753
Matrix (Source ID): Water (449342-004)	Method: SM2320B	Prep Method: METHOD

QC940357 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	362.5	368.3	mg/L		2	20	5
Carbonate	ND	ND	mg/L			20	5
Hydroxide	ND	ND	mg/L			20	5
Alkalinity, Total as CaCO3	297.2	301.9	mg/L		2	20	5

Type: Blank	Lab ID: QC940384	Batch: 272763
Matrix: Water	Method: EPA 245.1	Prep Method: METHOD

QC940384 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.094	08/24/21	08/24/21

Type: Lab Control Sample	Lab ID: QC940385	Batch: 272763
Matrix: Water	Method: EPA 245.1	Prep Method: METHOD

QC940385 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.366	5.000	ug/L	107%		80-120

Type: Matrix Spike	Lab ID: QC940386	Batch: 272763
Matrix (Source ID): Water (449523-001)	Method: EPA 245.1	Prep Method: METHOD

QC940386 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.885	0.9053	5.000	ug/L	100%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC940387	Batch: 272763
Matrix (Source ID): Water (449523-001)	Method: EPA 245.1	Prep Method: METHOD

QC940387 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.759	0.9053	5.000	ug/L	97%		75-125	2	20	1

Type: Blank	Lab ID: QC940568	Batch: 272831
Matrix: Water	Method: SM 4500-CN-E	Prep Method: METHOD

QC940568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0022	08/25/21	08/25/21

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC940569**	**Batch:**	**272831**
Matrix:	**Water**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC940569 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1850	0.2000	mg/L	93%		73-123

Type:	**Matrix Spike**	**Lab ID:**	**QC940570**	**Batch:**	**272831**
Matrix (Source ID):	**Water (449404-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC940570 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.2040	0.005000	0.2000	mg/L	100%		56-129	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC940571**	**Batch:**	**272831**
Matrix (Source ID):	**Water (449404-001)**	**Method:**	**SM 4500-CN-E**	**Prep Method:**	**METHOD**

QC940571 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.2050	0.005000	0.2000	mg/L	100%		56-129	0	37	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC941148	**Batch:** 273055	
Matrix: Water	**Method:** EPA 524.2	**Prep Method:** METHOD	

QC941148 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrylonitrile	ND		ug/L	2.0	0.4	08/30/21	08/30/21
1,1-Dichloroethene	ND		ug/L	0.50	0.27	08/30/21	08/30/21
Benzene	ND		ug/L	0.50	0.32	08/30/21	08/30/21
Trichloroethene	ND		ug/L	0.50	0.29	08/30/21	08/30/21
Toluene	ND		ug/L	0.50	0.26	08/30/21	08/30/21
Chlorobenzene	ND		ug/L	0.50	0.24	08/30/21	08/30/21
Chloromethane	ND		ug/L	0.50	0.34	08/30/21	08/30/21
Vinyl Chloride	ND		ug/L	0.50	0.30	08/30/21	08/30/21
Bromomethane	ND		ug/L	1.0	0.46	08/30/21	08/30/21
Chloroethane	ND		ug/L	0.50	0.26	08/30/21	08/30/21
Trichlorofluoromethane	ND		ug/L	0.50	0.36	08/30/21	08/30/21
Freon 113	ND		ug/L	0.50	0.36	08/30/21	08/30/21
Methylene Chloride	ND		ug/L	0.50	0.42	08/30/21	08/30/21
MTBE	ND		ug/L	0.50	0.37	08/30/21	08/30/21
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	08/30/21	08/30/21
1,1-Dichloroethane	ND		ug/L	0.50	0.26	08/30/21	08/30/21
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	08/30/21	08/30/21
Chloroform	ND		ug/L	0.50	0.30	08/30/21	08/30/21
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	08/30/21	08/30/21
Carbon Tetrachloride	ND		ug/L	0.50	0.30	08/30/21	08/30/21
1,2-Dichloroethane	ND		ug/L	0.50	0.29	08/30/21	08/30/21
1,2-Dichloropropane	ND		ug/L	0.50	0.24	08/30/21	08/30/21
Bromodichloromethane	ND		ug/L	0.50	0.25	08/30/21	08/30/21
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	08/30/21	08/30/21
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	08/30/21	08/30/21
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	08/30/21	08/30/21
Tetrachloroethene	ND		ug/L	0.50	0.20	08/30/21	08/30/21
Dibromochloromethane	ND		ug/L	0.50	0.36	08/30/21	08/30/21
Ethylbenzene	ND		ug/L	0.50	0.30	08/30/21	08/30/21
m,p-Xylenes	ND		ug/L	1.0	0.43	08/30/21	08/30/21
Styrene	ND		ug/L	0.50	0.26	08/30/21	08/30/21
Bromoform	ND		ug/L	0.50	0.22	08/30/21	08/30/21
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	08/30/21	08/30/21
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	08/30/21	08/30/21
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	08/30/21	08/30/21
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	08/30/21	08/30/21
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	08/30/21	08/30/21
Surrogates				**Limits**			
Bromofluorobenzene	102%		%REC	70-140	0.83	08/30/21	08/30/21
1,2-Dichloroethane-d4	82%		%REC	70-140	3.0	08/30/21	08/30/21
Dibromofluoromethane	114%		%REC	70-140		08/30/21	08/30/21
Toluene-d8	103%		%REC	70-140	0.35	08/30/21	08/30/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC941149**	**Batch: 273055**
Matrix: Water	**Method: EPA 524.2**	**Prep Method: METHOD**

QC941149 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Acrylonitrile	4.550	10.00	ug/L	46%	b,*	67-130
1,1-Dichloroethene	9.428	10.00	ug/L	94%		70-135
Benzene	10.41	10.00	ug/L	104%		70-130
Trichloroethene	10.76	10.00	ug/L	108%		70-130
Toluene	11.23	10.00	ug/L	112%		70-130
Chlorobenzene	11.49	10.00	ug/L	115%		70-130
MTBE	7.073	10.00	ug/L	71%	b	70-130
Surrogates						
Bromofluorobenzene	12.36	12.50	ug/L	99%		70-140
1,2-Dichloroethane-d4	10.59	12.50	ug/L	85%		70-140
Dibromofluoromethane	13.70	12.50	ug/L	110%		70-140
Toluene-d8	12.88	12.50	ug/L	103%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC941150**	**Batch: 273055**
Matrix: Water	**Method: EPA 524.2**	**Prep Method: METHOD**

QC941150 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Acrylonitrile	4.204	10.00	ug/L	42%	b,*	67-130	8	43
1,1-Dichloroethene	9.230	10.00	ug/L	92%		70-135	2	30
Benzene	10.61	10.00	ug/L	106%		70-130	2	30
Trichloroethene	11.03	10.00	ug/L	110%		70-130	2	30
Toluene	11.33	10.00	ug/L	113%		70-130	1	30
Chlorobenzene	11.34	10.00	ug/L	113%		70-130	1	30
MTBE	7.390	10.00	ug/L	74%	b	70-130	4	30
Surrogates								
Bromofluorobenzene	12.50	12.50	ug/L	100%		70-140		
1,2-Dichloroethane-d4	10.66	12.50	ug/L	85%		70-140		
Dibromofluoromethane	13.16	12.50	ug/L	105%		70-140		
Toluene-d8	12.79	12.50	ug/L	102%		70-140		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC941370	**Batch:** 273128
Matrix: Water	**Method:** EPA 524.2	**Prep Method:** METHOD

QC941370 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
2-Chloroethylvinylether	ND		ug/L	50	0.23	08/31/21	08/31/21
Acrolein	ND		ug/L	5.0	3.3	08/31/21	08/31/21
Acrylonitrile	ND		ug/L	2.0	0.7	08/31/21	08/31/21
1,1-Dichloroethene	ND		ug/L	0.50	0.16	08/31/21	08/31/21
Benzene	ND		ug/L	0.50	0.12	08/31/21	08/31/21
Trichloroethene	ND		ug/L	0.50	0.088	08/31/21	08/31/21
Toluene	ND		ug/L	0.50	0.091	08/31/21	08/31/21
Chlorobenzene	ND		ug/L	0.50	0.075	08/31/21	08/31/21
Chloromethane	ND		ug/L	0.50	0.16	08/31/21	08/31/21
Vinyl Chloride	ND		ug/L	0.50	0.076	08/31/21	08/31/21
Bromomethane	ND		ug/L	1.0	0.68	08/31/21	08/31/21
Chloroethane	ND		ug/L	0.50	0.45	08/31/21	08/31/21
Trichlorofluoromethane	ND		ug/L	0.50	0.12	08/31/21	08/31/21
Freon 113	ND		ug/L	0.50	0.35	08/31/21	08/31/21
Methylene Chloride	0.46	J	ug/L	0.50	0.20	08/31/21	08/31/21
MTBE	ND		ug/L	0.50	0.15	08/31/21	08/31/21
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.15	08/31/21	08/31/21
1,1-Dichloroethane	ND		ug/L	0.50	0.091	08/31/21	08/31/21
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.067	08/31/21	08/31/21
Chloroform	ND		ug/L	0.50	0.13	08/31/21	08/31/21
1,1,1-Trichloroethane	ND		ug/L	0.50	0.16	08/31/21	08/31/21
Carbon Tetrachloride	ND		ug/L	0.50	0.11	08/31/21	08/31/21
1,2-Dichloroethane	ND		ug/L	0.50	0.14	08/31/21	08/31/21
1,2-Dichloropropane	ND		ug/L	0.50	0.14	08/31/21	08/31/21
Bromodichloromethane	ND		ug/L	0.50	0.054	08/31/21	08/31/21
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.062	08/31/21	08/31/21
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.099	08/31/21	08/31/21
1,1,2-Trichloroethane	ND		ug/L	0.50	0.16	08/31/21	08/31/21
Tetrachloroethene	ND		ug/L	0.50	0.20	08/31/21	08/31/21
Dibromochloromethane	ND		ug/L	0.50	0.21	08/31/21	08/31/21
Ethylbenzene	ND		ug/L	0.50	0.14	08/31/21	08/31/21
m,p-Xylenes	0.14	J	ug/L	1.0	0.14	08/31/21	08/31/21
Styrene	ND		ug/L	0.50	0.077	08/31/21	08/31/21
Bromoform	ND		ug/L	0.50	0.20	08/31/21	08/31/21
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.13	08/31/21	08/31/21
1,3-Dichlorobenzene	ND		ug/L	0.50	0.12	08/31/21	08/31/21
1,4-Dichlorobenzene	ND		ug/L	0.50	0.12	08/31/21	08/31/21
1,2-Dichlorobenzene	ND		ug/L	0.50	0.15	08/31/21	08/31/21
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	08/31/21	08/31/21
Surrogates				**Limits**			
Bromofluorobenzene	100%		%REC	70-140	1.3	08/31/21	08/31/21
1,2-Dichloroethane-d4	93%		%REC	70-140	2.5	08/31/21	08/31/21

ENTHALPY ANALYTICAL

Batch QC

QC941370 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Dibromofluoromethane	92%		%REC	70-140	2.4	08/31/21	08/31/21
Toluene-d8	104%		%REC	70-140	1.2	08/31/21	08/31/21

Type: Matrix Spike **Lab ID:** QC941388 **Batch:** 273128
Matrix (Source ID): Water (449776-002) **Method:** EPA 524.2 **Prep Method:** METHOD

QC941388 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Acrylonitrile	2,330	ND	2500	ug/L	93%		70-130	50
1,1-Dichloroethene	2,639	ND	2500	ug/L	106%		70-130	50
Benzene	2,639	2615	2500	ug/L	1%	*	70-130	50
Trichloroethene	2,601	ND	2500	ug/L	104%		63-130	50
Toluene	2,618	162.9	2500	ug/L	98%		70-130	50
Chlorobenzene	2,598	ND	2500	ug/L	104%		70-130	50
MTBE	2,480	17.46	2500	ug/L	98%		75-130	50
Surrogates								
Bromofluorobenzene	2,524		2500	ug/L	101%		70-140	50
1,2-Dichloroethane-d4	2,505		2500	ug/L	100%		70-140	50
Dibromofluoromethane	2,573		2500	ug/L	103%		70-140	50
Toluene-d8	2,506		2500	ug/L	100%		70-140	50

Type: Matrix Spike Duplicate **Lab ID:** QC941389 **Batch:** 273128
Matrix (Source ID): Water (449776-002) **Method:** EPA 524.2 **Prep Method:** METHOD

QC941389 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Acrylonitrile	2,295	ND	2500	ug/L	92%		70-130	2	30	50
1,1-Dichloroethene	2,508	ND	2500	ug/L	100%		70-130	5	30	50
Benzene	2,519	2615	2500	ug/L	-4%	*	70-130	5	30	50
Trichloroethene	2,497	ND	2500	ug/L	100%		63-130	4	30	50
Toluene	2,528	162.9	2500	ug/L	95%		70-130	3	30	50
Chlorobenzene	2,511	ND	2500	ug/L	100%		70-130	3	30	50
MTBE	2,388	17.46	2500	ug/L	95%		75-130	4	30	50
Surrogates										
Bromofluorobenzene	2,492		2500	ug/L	100%		70-140			50
1,2-Dichloroethane-d4	2,439		2500	ug/L	98%		70-140			50
Dibromofluoromethane	2,536		2500	ug/L	101%		70-140			50
Toluene-d8	2,477		2500	ug/L	99%		70-140			50

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC941390	**Batch:** 273128
Matrix: Water	**Method:** EPA 524.2	**Prep Method:** METHOD

QC941390 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Acrylonitrile	48.92	50.00	ug/L	98%		67-130
1,1-Dichloroethene	53.86	50.00	ug/L	108%		70-135
Benzene	52.82	50.00	ug/L	106%		70-130
Trichloroethene	54.48	50.00	ug/L	109%		70-130
Toluene	54.80	50.00	ug/L	110%		70-130
Chlorobenzene	54.15	50.00	ug/L	108%		70-130
MTBE	50.95	50.00	ug/L	102%		70-130
Surrogates						
Bromofluorobenzene	52.01	50.00	ug/L	104%		70-140
1,2-Dichloroethane-d4	52.24	50.00	ug/L	104%		70-140
Dibromofluoromethane	50.51	50.00	ug/L	101%		70-140
Toluene-d8	50.93	50.00	ug/L	102%		70-140

Type: Blank	**Lab ID:** QC941580	**Batch:** 273197
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC941580 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	09/01/21	09/01/21
Potassium	ND		mg/L	0.50	0.18	09/01/21	09/01/21

Type: Lab Control Sample	**Lab ID:** QC941581	**Batch:** 273197
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC941581 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.9967	1.000	mg/L	100%		85-115
Potassium	27.94	28.00	mg/L	100%		85-115

Type: Matrix Spike	**Lab ID:** QC941582	**Batch:** 273197
Matrix (Source ID): Water (449883-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC941582 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	2.169	1.148	1.000	mg/L	102%		75-125	1
Potassium	44.73	13.52	29.00	mg/L	108%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC941583**	**Batch:**	**273197**
Matrix (Source ID):	**Water (449883-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC941583 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	2.142	1.148	1.000	mg/L	99%		75-125	1	20	1
Potassium	45.07	13.52	29.00	mg/L	109%		75-125	1	20	1

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

Laboratory Job Number 449342

Subcontracted Products

Eurofins CalScience

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 570-67631-1
Client Project/Site: 449342

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

Attn: Ranjit Clarke

Authorized for release by:
9/1/2021 3:56:16 PM

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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: 449342

Job ID: 570-67631-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
s	Seeded Control Blank (SCB) Recovery High

Glossary

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

Case Narrative

Client: Enthalpy Analytical LLC
Project/Site: 449342

Job ID: 570-67631-1

Job ID: 570-67631-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-67631-1

Comments
No additional comments.

Receipt
The samples were received on 8/18/2021 10:57 AM. 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 2.6º C.

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

General Chemistry
Method SM5210B: All the dilutions failed to deplete the method-required 2 mgO2/L for the following samples: MCWP-MW07S (570-67631-2). Only a "less than" result could be calculated from the least dilute preparation.

No additional analytical or quality issues were noted, other than those described above or 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 570-172806. 1664. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch.

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: 449342

Job ID: 570-67631-1

Client Sample ID: MCWP-MW04S — Lab Sample ID: 570-67631-1

No Detections.

Client Sample ID: MCWP-MW07S — Lab Sample ID: 570-67631-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	2.95	J	4.17	2.43	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW07D — Lab Sample ID: 570-67631-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	0.894	J	1.12	0.570	mg/L	1		1664A	Total/NA
Biochemical Oxygen Demand	11.1		1.67	0.973	mg/L	1		SM5210B	Total/NA

Client Sample ID: MCWP-MW09 — Lab Sample ID: 570-67631-4

No Detections.

This Detection Summary does not include radiochemical test results.

General Chemistry

Client Sample ID: MCWP-MW04S
Date Collected: 08/17/21 13:30
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.09	0.558	mg/L		08/19/21 14:30	08/19/21 14:30	1
Biochemical Oxygen Demand	ND		1.67	0.973	mg/L			08/19/21 10:29	1

Client Sample ID: MCWP-MW07S
Date Collected: 08/17/21 11:30
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.18	0.601	mg/L		08/19/21 14:30	08/19/21 14:30	1
Biochemical Oxygen Demand	**2.95**	**J**	4.17	2.43	mg/L			08/19/21 10:29	1

Client Sample ID: MCWP-MW07D
Date Collected: 08/17/21 11:45
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**0.894**	**J**	1.12	0.570	mg/L		08/19/21 14:30	08/19/21 14:30	1
Biochemical Oxygen Demand	**11.1**		1.67	0.973	mg/L			08/19/21 10:29	1

Client Sample ID: MCWP-MW09
Date Collected: 08/17/21 13:00
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-4
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.15	0.588	mg/L		08/19/21 14:30	08/19/21 14:30	1
Biochemical Oxygen Demand	ND		1.25	0.730	mg/L			08/19/21 10:29	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-172806/1-A
Matrix: Water
Analysis Batch: 172924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 172806

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.510	mg/L		08/19/21 14:30	08/19/21 14:30	1

Lab Sample ID: LCS 570-172806/2-A
Matrix: Water
Analysis Batch: 172924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 172806

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	38.10		mg/L		95	78 - 114

Lab Sample ID: LCSD 570-172806/3-A
Matrix: Water
Analysis Batch: 172924

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 172806

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	40.30		mg/L		101	78 - 114	6	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-172687/2
Matrix: Water
Analysis Batch: 172687

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	1.030	s	0.833	0.487	mg/L			08/19/21 10:29	1

Lab Sample ID: USB 570-172687/1
Matrix: Water
Analysis Batch: 172687

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/19/21 10:29	1

Lab Sample ID: LCS 570-172687/3
Matrix: Water
Analysis Batch: 172687

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	193.5		mg/L		98	84.6 - 115.4

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 449342

Job ID: 570-67631-1

General Chemistry

Analysis Batch: 172687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-67631-1	MCWP-MW04S	Total/NA	Water	SM5210B	
570-67631-2	MCWP-MW07S	Total/NA	Water	SM5210B	
570-67631-3	MCWP-MW07D	Total/NA	Water	SM5210B	
570-67631-4	MCWP-MW09	Total/NA	Water	SM5210B	
SCB 570-172687/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-172687/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-172687/3	Lab Control Sample	Total/NA	Water	SM5210B	

Prep Batch: 172806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-67631-1	MCWP-MW04S	Total/NA	Water	1664A	
570-67631-2	MCWP-MW07S	Total/NA	Water	1664A	
570-67631-3	MCWP-MW07D	Total/NA	Water	1664A	
570-67631-4	MCWP-MW09	Total/NA	Water	1664A	
MB 570-172806/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-172806/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-172806/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 172924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-67631-1	MCWP-MW04S	Total/NA	Water	1664A	172806
570-67631-2	MCWP-MW07S	Total/NA	Water	1664A	172806
570-67631-3	MCWP-MW07D	Total/NA	Water	1664A	172806
570-67631-4	MCWP-MW09	Total/NA	Water	1664A	172806
MB 570-172806/1-A	Method Blank	Total/NA	Water	1664A	172806
LCS 570-172806/2-A	Lab Control Sample	Total/NA	Water	1664A	172806
LCSD 570-172806/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	172806

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 449342

Job ID: 570-67631-1

Client Sample ID: MCWP-MW04S
Date Collected: 08/17/21 13:30
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-1
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			914 mL	1000 mL	172806	08/19/21 14:30	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			172924	08/19/21 14:30	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	172687		ZHU8	ECL 1
	Instrument ID: NOEQUIP							(Start) 08/19/21 10:29		
								(End) 08/24/21 06:25		

Client Sample ID: MCWP-MW07S
Date Collected: 08/17/21 11:30
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-2
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			849 mL	1000 mL	172806	08/19/21 14:30	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			172924	08/19/21 14:30	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	60 mL	300 mL	172687		ZHU8	ECL 1
	Instrument ID: NOEQUIP							(Start) 08/19/21 10:29		
								(End) 08/24/21 06:25		

Client Sample ID: MCWP-MW07D
Date Collected: 08/17/21 11:45
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-3
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			895 mL	1000 mL	172806	08/19/21 14:30	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			172924	08/19/21 14:30	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	150 mL	300 mL	172687		ZHU8	ECL 1
	Instrument ID: NOEQUIP							(Start) 08/19/21 10:29		
								(End) 08/24/21 06:25		

Client Sample ID: MCWP-MW09
Date Collected: 08/17/21 13:00
Date Received: 08/18/21 10:57

Lab Sample ID: 570-67631-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	1664A			868 mL	1000 mL	172806	08/19/21 14:30	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			172924	08/19/21 14:30	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	200 mL	300 mL	172687		ZHU8	ECL 1
	Instrument ID: NOEQUIP							(Start) 08/19/21 10:29		
								(End) 08/24/21 06:25		

Laboratory References:

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

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 449342

Job ID: 570-67631-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-21
Oregon	NELAP	CA300001	01-30-22

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 449342

Job ID: 570-67631-1

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

Protocol References:

1664A = EPA-821-98-002

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

Laboratory References:

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

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 449342

Job ID: 570-67631-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-67631-1	MCWP-MW04S	Water	08/17/21 13:30	08/18/21 10:57
570-67631-2	MCWP-MW07S	Water	08/17/21 11:30	08/18/21 10:57
570-67631-3	MCWP-MW07D	Water	08/17/21 11:45	08/18/21 10:57
570-67631-4	MCWP-MW09	Water	08/17/21 13:00	08/18/21 10:57

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1432
ATTN: Xuan Dang
PO #: Required, to be sent via email

Enthalpy Order: EO-449342
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

570-67631 Chain of Custody

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
MCWP-MW04S	17-AUG-2021 13.30	449342-001	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
MCWP-MW07S	17-AUG-2021 11.30	449342-002	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
MCWP-MW07D	17-AUG-2021 11.45	449342-003	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
MCWP-MW09	17-AUG-2021 13:00	449342-004	1	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	

Notes:	Relinquished By:	Received By:
	[signature]	[signature]
	Date: 8-18-21 1057	Date: 8/18/21 1057
	Date:	Date:
	Date:	Date:

3.0/2.6 SCG

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-67631-1

Login Number: 67631
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience LLC

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

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

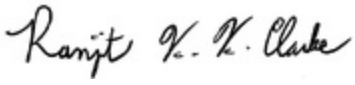
Lab Job Number: 449404
Report Level: II
Report Date: 09/09/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Annual - Partial Report (Enthalpy + Eurofins Calscience data only)

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	449404
Project No:	MALIBU
Location:	Annual - Partial Report (Enthalpy + Eurofins Calscience data only)
Date Received:	08/18/21

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	449404-001	08/18/21 09:00	Water
SMBRP-12	449404-002	08/18/21 09:50	Water
MCWP-MW04D	449404-003	08/18/21 13:15	Water

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants - Ventura 180 North Ashwood Ave. Ventura, CA 93003 Kiernan Brtalik	Lab Job Number:	449404
	Project No:	MALIBU
	Location:	Annual - Partial Report (Enthalpy + Eurofins Calscience data only)
	Date Received:	08/18/21

This data package contains sample and QC results for three water samples, requested for the above referenced project on 08/18/21. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 524.2):
Low response was observed for acrylonitrile in the ICV analyzed 08/24/21 18:02; affected data was qualified with "b". Low recoveries were observed for acrylonitrile in the BS/BSD for batch 272921; the associated RPD was within limits, and these low recoveries were not associated with any reported results. Methylene chloride was detected above the RL in the method blank for batch 272582; this analyte was not detected in the sample at or above the RL. SMBRP-9 (lab # 449404-001), SMBRP-12 (lab # 449404-002), and MCWP-MW04D (lab # 449404-003) 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):
Low recoveries were observed for a number of analytes in the MS for batch 272521; the parent sample was not a project sample, and the LCS was within limits. High RPD was observed for many analytes in the MS/MSD for batch 272521. Sodium was detected between the MDL and the RL in the method blank for batch 272519; this analyte was detected in the sample at a level at least 10 times that of the blank. Calcium was detected above the RL in the method blank for batch 272520; this analyte was detected in samples at a level at least 10 times that of the blank. Sodium was detected between the MDL and the RL in the method blank for batch 272520; this analyte was detected in samples at a level at least 10 times that of the blank. Copper was detected between the MDL and the RL in the method blank for batch 272521. No other analytical problems were encountered.

Ion Chromatography (EPA 300.0 and EPA 300.0):
Low recoveries were observed for chloride in the MS/MSD for batch 272550; the parent sample was not a project sample, the LCS was within limits, and the associated RPD was within limits. No other analytical problems were encountered.

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.

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):
Nitrogen, total kjeldahl was detected between the MDL and the RL in the method blank for batch 272922; this analyte was 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.

EPA 100.2 Asbestos (EPA 100.2 Asbestos):
SGS Forensic in Hayward, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Enthalpy - Wilmington case narrative.

EPA 552.2 Haloacetic Acids (EPA 552.2):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 508 Chlorinated Pesticides (EPA 508):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 515.3 Chlorinated Acids (EPA 515.3):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 547 Glyphosate (EPA 547):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 531.1 Carbamates (EPA 531.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). Please see the Pace Analytical - Greensburg case narrative.

EPA 906.0 Tritium (EPA 906.0):
Pace Analytical - Greensburg in Greensburg, PA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Pace Analytical - Greensburg case narrative.

EDB and DBCP by GC (EPA 504.1):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 625 Low Level (EPA 625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Pace Analytical - Greensburg case narrative.

EPA 1625 Isotope Dilution (EPA 1625):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

EPA 1664A Total O&G - OUT (EPA 1664A):
Eurofins CalScience in Garden Grove, CA performed the analysis (not NELAP certified). Please see the Eurofins CalScience case narrative.

BOD (SM 5210B):
Eurofins CalScience in Garden Grove, CA performed the analysis (not NELAP certified). Please see the Eurofins CalScience case narrative.

EPA 1694 Pharma, PCP by HPLC/MS/MS (EPA 1694):
Weck Laboratories, Inc. in Hacienda Heights, CA performed the analysis (not NELAP certified). 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 (not NELAP certified). 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 (not NELAP certified). Please see the Weck Laboratories, Inc. case narrative.

ENTHALPY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No: 449404				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page:	1	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		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), 200.8 (see list), 245.1 (Hg)	EPA 300.0: Cl,Fl,NO2,NO3,SO4; EPA 314.0	SM 4500-CN E; TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	SM 2330B Corrosivity; EPA 218.6 Cr VI	EPA 1664A Oil & Grease; EPA 1625M NDMA	EPA 1613 TCDD only; EPA 608 LL; EPA 625 LL	EPA 524.2 VOCs; EPA 624 VOCs	Test Instructions / Comments
SMBRP-9	8/18/21	0900	W			X	X	X	X	X	X	X	X	X	X	7.8/8.1
SMBRP-12	8/18/21	0950	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW04D~~ MCWP-MW04D	8/18/21	1315	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/18/21 1440
[1] Received By:			EA	8/18/21 1440
[2] Relinquished By:			EA	8/18/21 1720
[2] Received By:		ZAIN DAHHA	EA/EA	8/18/21 1720.
[3] Relinquished By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record			Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	ENTHALPY analytical, inc.	Lab No: 449404			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 2	of	3	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other			Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		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, 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	8/18/21	0900	W			X	X	X	X	X	X	X	X	X	X	2.8/5.2 3.0/14.8
SMBRP-12	8/18/21	0950	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X	X	X	MC
MCWP-MW04D	8/18/21	1315	W			X	X	X	X	X	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X	X	X	MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X	X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/18/21 1900
[1] Received By:			EA	8/18/21 1400
[2] Relinquished By:			EA	8/18/21 1720
[2] Received By:			EA/GL	8/18/21 1720
[3] Relinquished By:				

ENTHALPHY ANALYTICAL, INC.		Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868		Lab No:	449404			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:	
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	Test Instructions / Comments
SMBRP-9	8/18/21	0900	W			X	X	
SMBRP-12	8/18/21	0950	W			X	X	
~~MCWP-MW04S~~						~~X~~	~~X~~	MC
MCWP-MW04D	8/18/21	1315	W			X	X	
~~MCWP-MW07S~~						~~X~~	~~X~~	MC
~~MCWP-MW07D~~						~~X~~	~~X~~	MC
~~MCWP-MW09~~						~~X~~	~~X~~	MC

Test Instructions / Comments: 11.4/11.6°C 10.9/11.5°C

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/18/21 1440
[1] Received By:		[illegible]	EA	8/18/21 1440
[2] Relinquished By:		[illegible]	EA	8/18/21 1720
[2] Received By:		ZAID PADILLA	EA/GL	8/18/21 1720
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu - Annual

Date Received: 8/18/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 5 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 8.1 #2: 5.2 #3: 4.8 #4: 11.6 #5: 11.5

(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: 7.8 #2: 2.8 #3: 3.0 #4: 11.4 #5: 10.9

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?		✔	
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

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

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/18/21

ENTHALPY ANALYTICAL

Analysis Results for 449404

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 449404
Project No: MALIBU
Location: Annual - Partial Report (Enthalpy + Eurofins Calscience data only)
Date Received: 08/18/21

Sample ID: SMBRP-9 **Lab ID: 449404-001** **Collected: 08/18/21 09:00**
Matrix: Water

449404-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.55**		mg/L	0.050	0.0080	1	272520	08/19/21	08/26/21	KLN
Calcium	**64**		mg/L	0.10	0.021	1	272520	08/19/21	08/19/21	KLN
Iron	**9.1**		mg/L	0.020	0.0066	1	272520	08/19/21	08/19/21	KLN
Magnesium	**170**		mg/L	0.10	0.049	1	272520	08/19/21	08/19/21	KLN
Manganese	**0.19**		mg/L	0.010	0.00061	1	272520	08/19/21	08/19/21	KLN
Potassium	**3.0**		mg/L	0.50	0.18	1	272520	08/19/21	08/19/21	KLN
Sodium	**180**		mg/L	0.50	0.035	1	272520	08/19/21	08/19/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**4,900**		ug/L	100	32	10	272521	08/19/21	09/01/21	SBW
Antimony	**0.45**	J	ug/L	0.50	0.060	1	272521	08/19/21	08/24/21	SBW
Arsenic	**1.0**	J	ug/L	2.0	0.38	1	272521	08/19/21	08/24/21	SBW
Barium	**69**		ug/L	5.0	0.28	1	272521	08/19/21	08/24/21	SBW
Beryllium	**0.24**	J	ug/L	0.50	0.050	1	272521	08/19/21	08/24/21	SBW
Cadmium	**0.15**	J	ug/L	0.20	0.033	1	272521	08/19/21	08/24/21	SBW
Chromium	**15**		ug/L	10	4.8	10	272521	08/19/21	09/01/21	SBW
Copper	**7.4**		ug/L	0.50	0.050	1	272521	08/19/21	08/24/21	SBW
Lead	**3.2**		ug/L	0.50	0.044	1	272521	08/19/21	08/24/21	SBW
Nickel	**9.9**		ug/L	1.0	0.20	1	272521	08/19/21	08/24/21	SBW
Selenium	**3.3**		ug/L	2.0	0.27	1	272521	08/19/21	08/24/21	SBW
Silver	**0.070**	J	ug/L	0.20	0.025	1	272521	08/19/21	08/24/21	SBW
Thallium	ND		ug/L	1.0	0.23	1	272521	08/19/21	08/24/21	SBW
Zinc	**22**		ug/L	10	4.2	1	272521	08/19/21	08/24/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	272626	08/20/21	08/20/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**130**		mg/L	5.0	0.50	1	272550	08/19/21 09:22	08/19/21 10:06	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272550	08/19/21 09:22	08/19/21 10:06	JCP
Nitrogen, Nitrate	**4.4**		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 10:06	JCP
Sulfate	**190**		mg/L	10	2.5	10	272550	08/19/21 09:22	08/19/21 22:09	JCP
Nitrogen, Nitrate/Nitrite	**4.4**		mg/L	0.10		1	272550	08/19/21 09:22	08/19/21 10:06	JCP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.53	1	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	2.5	1	272582	08/20/21	08/20/21	ILK
Acrolein	ND		ug/L	5.0	3.6	1	272582	08/20/21	08/20/21	ILK
Acrylonitrile	ND		ug/L	2.0	0.8	1	272582	08/20/21	08/20/21	ILK
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	272921	08/26/21	08/26/21	ILK
Benzene	ND		ug/L	0.50	0.32	1	272921	08/26/21	08/26/21	ILK
Trichloroethene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
Toluene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Chlorobenzene	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
Chloromethane	ND		ug/L	0.50	0.34	1	272921	08/26/21	08/26/21	ILK
Vinyl Chloride	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
Bromomethane	ND		ug/L	1.0	0.46	1	272921	08/26/21	08/26/21	ILK
Chloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Freon 113	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Methylene Chloride	**1.3**		ug/L	0.50	0.42	1	272921	08/26/21	08/26/21	ILK
MTBE	ND		ug/L	0.50	0.37	1	272921	08/26/21	08/26/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	272921	08/26/21	08/26/21	ILK
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
Chloroform	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
Bromodichloromethane	ND		ug/L	0.50	0.25	1	272921	08/26/21	08/26/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	272921	08/26/21	08/26/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	272921	08/26/21	08/26/21	ILK
Tetrachloroethene	ND		ug/L	0.50	0.20	1	272921	08/26/21	08/26/21	ILK
Dibromochloromethane	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Ethylbenzene	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
m,p-Xylenes	ND		ug/L	1.0	0.43	1	272921	08/26/21	08/26/21	ILK
Styrene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Bromoform	ND		ug/L	0.50	0.22	1	272921	08/26/21	08/26/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	272921	08/26/21	08/26/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	272921	08/26/21	08/26/21	ILK
Surrogates				**Limits**						
Bromofluorobenzene	101%		%REC	70-140	0.83	1	272921	08/26/21	08/26/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	96%		%REC	70-140	3.0	1	272921	08/26/21	08/26/21	ILK
Dibromofluoromethane	106%		%REC	70-140		1	272921	08/26/21	08/26/21	ILK
Toluene-d8	99%		%REC	70-140	0.35	1	272921	08/26/21	08/26/21	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	272517	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM 2330B										
CCPP	**0.27**		SU			1	273191	09/01/21	09/01/21	SLL
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272622	08/20/21 16:30	08/20/21 16:30	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.0050**	J	mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.90**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**7.08**	H	SU			1	272559	08/19/21 16:00	08/19/21 16:00	WWC
Temperature	**23.20**	H	deg C	1.00		1	272559	08/19/21 16:00	08/19/21 16:00	WWC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.39**	J	mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.25**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**7.5**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**2,000**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: SM2120B										
Color	**80**		ColorUnits	5		1	272516	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM2130B										
Turbidity	**37**		NTU	0.10	0.07	1	272518	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**960**		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**790**		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	272533	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**350**		mg/L	2.0		4	272630	08/20/21	08/20/21	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM5540C										
Surfactants (MBAS)	**0.12**		mg/L	0.040	0.027	1	272864	08/20/21 09:00	08/20/21 16:36	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

Sample ID: SMBRP-12	Lab ID: 449404-002	Collected: 08/18/21 09:50
	Matrix: Water	

449404-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.85**		mg/L	0.050	0.0080	1	272520	08/19/21	08/26/21	KLN
Calcium	**220**		mg/L	0.10	0.021	1	272520	08/19/21	08/19/21	KLN
Iron	**47**		mg/L	0.020	0.0066	1	272520	08/19/21	08/19/21	KLN
Magnesium	**180**		mg/L	0.10	0.049	1	272520	08/19/21	08/19/21	KLN
Manganese	**1.4**		mg/L	0.010	0.00061	1	272520	08/19/21	08/19/21	KLN
Potassium	**42**		mg/L	0.50	0.18	1	272520	08/19/21	08/19/21	KLN
Sodium	**560**		mg/L	0.50	0.035	1	272520	08/19/21	08/19/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**17,000**		ug/L	200	64	20	272521	08/19/21	09/01/21	SBW
Antimony	**0.71**		ug/L	0.50	0.060	1	272521	08/19/21	08/24/21	SBW
Arsenic	**29**		ug/L	2.0	0.38	1	272521	08/19/21	08/24/21	SBW
Barium	**270**		ug/L	5.0	0.28	1	272521	08/19/21	08/24/21	SBW
Beryllium	ND		ug/L	10	1.0	20	272521	08/19/21	09/01/21	SBW
Cadmium	**8.0**		ug/L	0.20	0.033	1	272521	08/19/21	08/24/21	SBW
Chromium	**60**		ug/L	20	9.6	20	272521	08/19/21	09/01/21	SBW
Copper	**50**		ug/L	0.50	0.050	1	272521	08/19/21	08/24/21	SBW
Lead	**13**		ug/L	0.50	0.044	1	272521	08/19/21	08/24/21	SBW
Nickel	**94**		ug/L	1.0	0.20	1	272521	08/19/21	08/24/21	SBW
Selenium	**18**		ug/L	2.0	0.27	1	272521	08/19/21	08/24/21	SBW
Silver	**0.33**		ug/L	0.20	0.025	1	272521	08/19/21	08/24/21	SBW
Thallium	**0.62**	J	ug/L	1.0	0.23	1	272521	08/19/21	08/24/21	SBW
Zinc	**120**		ug/L	10	4.2	1	272521	08/19/21	08/24/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	**0.13**	J	ug/L	0.20	0.094	1	272626	08/20/21	08/20/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**930**		mg/L	50	5.0	10	272550	08/19/21 09:22	08/19/21 22:31	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272550	08/19/21 09:22	08/19/21 10:28	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 10:28	JCP
Sulfate	**480**		mg/L	10	2.5	10	272550	08/19/21 09:22	08/19/21 22:31	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	272550	08/19/21 09:22	08/19/21 10:28	JCP
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	4.0	1.1	2	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	2.5	1	272582	08/20/21	08/20/21	ILK
Acrolein	ND		ug/L	5.0	3.6	1	272582	08/20/21	08/20/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acrylonitrile	ND		ug/L	2.0	0.8	1	272582	08/20/21	08/20/21	ILK
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	272921	08/26/21	08/26/21	ILK
Benzene	ND		ug/L	0.50	0.32	1	272921	08/26/21	08/26/21	ILK
Trichloroethene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
Toluene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Chlorobenzene	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
Chloromethane	ND		ug/L	0.50	0.34	1	272921	08/26/21	08/26/21	ILK
Vinyl Chloride	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
Bromomethane	ND		ug/L	1.0	0.46	1	272921	08/26/21	08/26/21	ILK
Chloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Freon 113	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Methylene Chloride	**0.55**		ug/L	0.50	0.42	1	272921	08/26/21	08/26/21	ILK
MTBE	ND		ug/L	0.50	0.37	1	272921	08/26/21	08/26/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	272921	08/26/21	08/26/21	ILK
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
Chloroform	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
Bromodichloromethane	ND		ug/L	0.50	0.25	1	272921	08/26/21	08/26/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	272921	08/26/21	08/26/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	272921	08/26/21	08/26/21	ILK
Tetrachloroethene	ND		ug/L	0.50	0.20	1	272921	08/26/21	08/26/21	ILK
Dibromochloromethane	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Ethylbenzene	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
m,p-Xylenes	ND		ug/L	1.0	0.43	1	272921	08/26/21	08/26/21	ILK
Styrene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Bromoform	ND		ug/L	0.50	0.22	1	272921	08/26/21	08/26/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	272921	08/26/21	08/26/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	272921	08/26/21	08/26/21	ILK
Surrogates				**Limits**						
Bromofluorobenzene	101%		%REC	70-140	0.83	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloroethane-d4	99%		%REC	70-140	3.0	1	272921	08/26/21	08/26/21	ILK
Dibromofluoromethane	104%		%REC	70-140		1	272921	08/26/21	08/26/21	ILK
Toluene-d8	101%		%REC	70-140	0.35	1	272921	08/26/21	08/26/21	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	272517	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM 2330B										
CCPP	**0.34**		SU			1	273191	09/01/21	09/01/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272622	08/20/21 16:30	08/20/21 16:30	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	**0.049**		mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.48**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**6.97**	H	SU			1	272559	08/19/21 16:00	08/19/21 16:00	WWC
Temperature	**23.20**	H	deg C	1.00		1	272559	08/19/21 16:00	08/19/21 16:00	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**5.3**		mg/L	0.50	0.050	5	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**7.6**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.26**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**220**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: SM2120B										
Color	**30**		ColorUnits	5		1	272516	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM2130B										
Turbidity	**17**		NTU	0.10	0.07	1	272518	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**530**		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**430**		mg/L	50		10	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,600**		mg/L	20		2	272533	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**640**		mg/L	5.0		10	272630	08/20/21	08/20/21	ATP
Method: SM5540C										
Surfactants (MBAS)	**0.078**		mg/L	0.040	0.027	1	272864	08/20/21 09:00	08/20/21 16:36	ATP

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

Sample ID: MCWP-MW04D	Lab ID: 449404-003	Collected: 08/18/21 13:15
	Matrix: Water	

449404-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.85**		mg/L	0.050	0.0080	1	272519	08/19/21	08/23/21	KLN
Calcium	**160**		mg/L	0.10	0.021	1	272519	08/19/21	08/19/21	KLN
Iron	**0.015**	J	mg/L	0.020	0.0066	1	272519	08/19/21	08/19/21	KLN
Magnesium	**92**		mg/L	0.10	0.049	1	272519	08/19/21	08/19/21	KLN
Manganese	**0.0068**	J	mg/L	0.010	0.00061	1	272519	08/19/21	08/19/21	KLN
Potassium	**3.8**		mg/L	0.50	0.18	1	272519	08/19/21	08/19/21	KLN
Sodium	**180**		mg/L	0.50	0.035	1	272519	08/19/21	08/19/21	KLN
Method: EPA 200.8 Prep Method: EPA 200.8										
Aluminum	**7.0**	J	ug/L	10	3.2	1	272521	08/19/21	09/01/21	SBW
Antimony	**0.15**	J	ug/L	0.50	0.060	1	272521	08/19/21	08/24/21	SBW
Arsenic	ND		ug/L	2.0	0.38	1	272521	08/19/21	08/24/21	SBW
Barium	**31**		ug/L	5.0	0.28	1	272521	08/19/21	08/24/21	SBW
Beryllium	ND		ug/L	0.50	0.050	1	272521	08/19/21	08/24/21	SBW
Cadmium	**0.21**		ug/L	0.20	0.033	1	272521	08/19/21	08/24/21	SBW
Chromium	ND		ug/L	1.0	0.48	1	272521	08/19/21	09/01/21	SBW
Copper	**2.7**	B	ug/L	0.50	0.050	1	272521	08/19/21	08/24/21	SBW
Lead	**0.046**	J	ug/L	0.50	0.044	1	272521	08/19/21	08/24/21	SBW
Nickel	**5.5**		ug/L	1.0	0.20	1	272521	08/19/21	08/24/21	SBW
Selenium	**4.3**		ug/L	2.0	0.27	1	272521	08/19/21	09/01/21	SBW
Silver	**0.040**	J	ug/L	0.20	0.025	1	272521	08/19/21	08/24/21	SBW
Thallium	ND		ug/L	1.0	0.23	1	272521	08/19/21	08/24/21	SBW
Zinc	ND		ug/L	10	4.2	1	272521	08/19/21	08/24/21	SBW
Method: EPA 245.1 Prep Method: METHOD										
Mercury	ND		ug/L	0.20	0.094	1	272626	08/20/21	08/20/21	TNN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**240**		mg/L	50	5.0	10	272550	08/19/21 09:22	08/19/21 22:53	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	272550	08/19/21 09:22	08/19/21 10:50	JCP
Nitrogen, Nitrate	**1.2**		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 10:50	JCP
Sulfate	**550**		mg/L	10	2.5	10	272550	08/19/21 09:22	08/19/21 22:53	JCP
Nitrogen, Nitrate/Nitrite	**1.2**		mg/L	0.10		1	272550	08/19/21 09:22	08/19/21 10:50	JCP
Method: EPA 314.0 Prep Method: METHOD										
Perchlorate	ND		ug/L	2.0	0.53	1	272498	08/18/21	08/19/21	JCP
Method: EPA 524.2 Prep Method: METHOD										
2-Chloroethylvinylether	ND		ug/L	50	2.5	1	272582	08/20/21	08/20/21	ILK
Acrolein	ND		ug/L	5.0	3.6	1	272582	08/20/21	08/20/21	ILK

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Acrylonitrile	ND		ug/L	2.0	0.8	1	272582	08/20/21	08/20/21	ILK
1,1-Dichloroethene	ND		ug/L	0.50	0.27	1	272921	08/26/21	08/26/21	ILK
Benzene	ND		ug/L	0.50	0.32	1	272921	08/26/21	08/26/21	ILK
Trichloroethene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
Toluene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Chlorobenzene	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
Chloromethane	ND		ug/L	0.50	0.34	1	272921	08/26/21	08/26/21	ILK
Vinyl Chloride	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
Bromomethane	ND		ug/L	1.0	0.46	1	272921	08/26/21	08/26/21	ILK
Chloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Trichlorofluoromethane	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Freon 113	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Methylene Chloride	**0.98**		ug/L	0.50	0.42	1	272921	08/26/21	08/26/21	ILK
MTBE	ND		ug/L	0.50	0.37	1	272921	08/26/21	08/26/21	ILK
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	1	272921	08/26/21	08/26/21	ILK
1,1-Dichloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
Chloroform	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Carbon Tetrachloride	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloroethane	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloropropane	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
Bromodichloromethane	ND		ug/L	0.50	0.25	1	272921	08/26/21	08/26/21	ILK
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	1	272921	08/26/21	08/26/21	ILK
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	1	272921	08/26/21	08/26/21	ILK
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	1	272921	08/26/21	08/26/21	ILK
Tetrachloroethene	ND		ug/L	0.50	0.20	1	272921	08/26/21	08/26/21	ILK
Dibromochloromethane	ND		ug/L	0.50	0.36	1	272921	08/26/21	08/26/21	ILK
Ethylbenzene	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
m,p-Xylenes	ND		ug/L	1.0	0.43	1	272921	08/26/21	08/26/21	ILK
Styrene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
Bromoform	ND		ug/L	0.50	0.22	1	272921	08/26/21	08/26/21	ILK
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	1	272921	08/26/21	08/26/21	ILK
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	1	272921	08/26/21	08/26/21	ILK
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	1	272921	08/26/21	08/26/21	ILK
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	1	272921	08/26/21	08/26/21	ILK
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	1	272921	08/26/21	08/26/21	ILK
Surrogates				**Limits**						
Bromofluorobenzene	101%		%REC	70-140	0.83	1	272921	08/26/21	08/26/21	ILK
1,2-Dichloroethane-d4	93%		%REC	70-140	3.0	1	272921	08/26/21	08/26/21	ILK
Dibromofluoromethane	108%		%REC	70-140		1	272921	08/26/21	08/26/21	ILK
Toluene-d8	101%		%REC	70-140	0.35	1	272921	08/26/21	08/26/21	ILK
Method: SM 2150B										
Odor	ND		TON	1.0		1	272517	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM 2330B										
CCPP	**0.36**		SU			1	273191	09/01/21	09/01/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449404

449404-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	272622	08/20/21 16:30	08/20/21 16:30	WWC
Method: SM 4500-CN-E Prep Method: METHOD										
Cyanide	ND		mg/L	0.010	0.0022	1	272831	08/25/21	08/25/21	ATP
Method: SM 4500-F-C										
Fluoride	**0.55**		mg/L	0.10	0.010	1	272549	08/30/21	08/30/21	LVL
Method: SM 4500-H+ B										
pH	**7.20**	H	SU			1	272559	08/19/21 16:00	08/19/21 16:00	WWC
Temperature	**23.90**	H	deg C	1.00		1	272559	08/19/21 16:00	08/19/21 16:00	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.043**	J	mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.36**	B,J	mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.055**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.18	1	272584	08/19/21	08/19/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: SM2120B										
Color	ND		ColorUnits	5		1	272516	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM2130B										
Turbidity	**0.25**		NTU	0.10	0.07	1	272518	08/18/21 19:00	08/18/21 19:00	WWC
Method: SM2320B Prep Method: METHOD										
Bicarbonate	**370**		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Carbonate	ND		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Hydroxide	ND		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Alkalinity, Total as CaCO3	**300**		mg/L	25		5	272753	08/24/21	08/24/21	MMP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	272533	08/19/21	08/20/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**5.4**		mg/L	0.6		1.1	272630	08/20/21	08/20/21	ATP
Method: SM5540C										
Surfactants (MBAS)	**0.033**	J	mg/L	0.040	0.027	1	272864	08/20/21 09:00	08/20/21 16:36	ATP

< Value is less than indicated concentration
B Contamination found in associated Method Blank
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC939565	Batch: 272498
Matrix: Water	Method: EPA 314.0	Prep Method: METHOD

QC939565 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Perchlorate	ND		ug/L	2.0	0.53	08/18/21	08/19/21

Type: Lab Control Sample	Lab ID: QC939566	Batch: 272498
Matrix: Water	Method: EPA 314.0	Prep Method: METHOD

QC939566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Perchlorate	48.30	50.00	ug/L	97%		85-115

Type: Matrix Spike	Lab ID: QC939567	Batch: 272498
Matrix (Source ID): Water (449342-003)	Method: EPA 314.0	Prep Method: METHOD

QC939567 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Perchlorate	50.42	ND	50.00	ug/L	101%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC939568	Batch: 272498
Matrix (Source ID): Water (449342-003)	Method: EPA 314.0	Prep Method: METHOD

QC939568 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Perchlorate	49.19	ND	50.00	ug/L	98%		80-120	2	15	1

Type: Sample Duplicate	Lab ID: QC939644	Batch: 272516
Matrix (Source ID): Water (449404-003)	Method: SM2120B	

QC939644 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate	Lab ID: QC939645	Batch: 272517
Matrix (Source ID): Water (449404-003)	Method: SM 2150B	

QC939645 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	**Lab ID:** QC939646	**Batch:** 272518
Matrix (Source ID): Water (449404-003)	**Method:** SM2130B	

QC939646 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.2500	0.2500	NTU		0	20	1

Type: Blank	**Lab ID:** QC939647	**Batch:** 272519
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC939647 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	08/19/21	08/19/21
Calcium	ND		mg/L	0.10	0.021	08/19/21	08/20/21
Iron	ND		mg/L	0.020	0.0066	08/19/21	08/19/21
Magnesium	ND		mg/L	0.10	0.049	08/19/21	08/19/21
Manganese	ND		mg/L	0.010	0.00061	08/19/21	08/19/21
Potassium	ND		mg/L	0.50	0.18	08/19/21	08/19/21
Sodium	0.096	J	mg/L	0.50	0.035	08/19/21	08/20/21

Type: Lab Control Sample	**Lab ID:** QC939648	**Batch:** 272519
Matrix: Water	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC939648 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.5342	0.5000	mg/L	107%		85-115
Calcium	19.36	18.50	mg/L	105%		85-115
Iron	0.5416	0.5000	mg/L	108%		85-115
Magnesium	19.49	18.50	mg/L	105%		85-115
Manganese	0.5399	0.5000	mg/L	108%		85-115
Potassium	23.30	23.00	mg/L	101%		85-115
Sodium	18.60	18.50	mg/L	101%		85-115

Type: Matrix Spike	**Lab ID:** QC939649	**Batch:** 272519
Matrix (Source ID): Water (449413-001)	**Method:** EPA 200.7	**Prep Method:** EPA 200.7

QC939649 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	3.991	3.310	0.5000	mg/L	136%	NM	75-125	25
Calcium	78.55	59.13	19.50	mg/L	100%		75-125	1
Iron	0.6719	0.1580	0.5000	mg/L	103%		75-125	1
Magnesium	34.57	13.90	19.50	mg/L	106%		75-125	1
Manganese	0.5663	0.04926	0.5000	mg/L	103%		75-125	1
Potassium	59.63	32.86	24.00	mg/L	112%		75-125	1
Sodium	1,756	1640	19.50	mg/L	594%	NM	75-125	25

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC939650	Batch:	272519
Matrix (Source ID):	Water (449413-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939650 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	4.029	3.310	0.5000	mg/L	144%	NM	75-125	1	20	25
Calcium	77.27	59.13	19.50	mg/L	93%		75-125	2	20	1
Iron	0.7518	0.1580	0.5000	mg/L	119%		75-125	11	20	1
Magnesium	34.48	13.90	19.50	mg/L	106%		75-125	0	20	1
Manganese	0.5806	0.04926	0.5000	mg/L	106%		75-125	3	20	1
Potassium	58.90	32.86	24.00	mg/L	109%		75-125	1	20	1
Sodium	1,737	1640	19.50	mg/L	498%	NM	75-125	1	20	25

Type:	Blank	Lab ID:	QC939651	Batch:	272520
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939651 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	08/19/21	08/19/21
Calcium	0.47		mg/L	0.10	0.021	08/19/21	08/19/21
Iron	ND		mg/L	0.020	0.0066	08/19/21	08/19/21
Magnesium	ND		mg/L	0.10	0.049	08/19/21	08/19/21
Manganese	ND		mg/L	0.010	0.00061	08/19/21	08/19/21
Potassium	ND		mg/L	0.50	0.18	08/19/21	08/19/21
Sodium	0.42	J	mg/L	0.50	0.035	08/19/21	08/19/21

Type:	Lab Control Sample	Lab ID:	QC939652	Batch:	272520
Matrix:	Water	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939652 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.4978	0.5000	mg/L	100%		85-115
Calcium	19.35	18.50	mg/L	105%		85-115
Iron	0.5375	0.5000	mg/L	108%		85-115
Magnesium	18.96	18.50	mg/L	102%		85-115
Manganese	0.5326	0.5000	mg/L	107%		85-115
Potassium	22.85	23.00	mg/L	99%		85-115
Sodium	18.35	18.50	mg/L	99%		85-115

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC939653	Batch:	272520
Matrix (Source ID):	Water (449404-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939653 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.074	0.5514	0.5000	mg/L	104%		75-125	1
Calcium	82.83	64.04	19.50	mg/L	96%		75-125	1
Iron	9.457	9.120	0.5000	mg/L	67%	NM	75-125	1
Magnesium	180.1	165.5	19.50	mg/L	75%	NM	75-125	1
Manganese	0.7167	0.1918	0.5000	mg/L	105%		75-125	1
Potassium	27.09	2.954	24.00	mg/L	101%		75-125	1
Sodium	200.7	183.9	19.50	mg/L	86%	NM	75-125	1

Type:	Matrix Spike Duplicate	Lab ID:	QC939654	Batch:	272520
Matrix (Source ID):	Water (449404-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC939654 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.085	0.5514	0.5000	mg/L	107%		75-125	1	20	1
Calcium	85.54	64.04	19.50	mg/L	110%		75-125	3	20	1
Iron	9.740	9.120	0.5000	mg/L	124%	NM	75-125	3	20	1
Magnesium	187.8	165.5	19.50	mg/L	114%	NM	75-125	4	20	1
Manganese	0.7340	0.1918	0.5000	mg/L	108%		75-125	2	20	1
Potassium	28.25	2.954	24.00	mg/L	105%		75-125	4	20	1
Sodium	207.0	183.9	19.50	mg/L	118%	NM	75-125	3	20	1

Type:	Blank	Lab ID:	QC939655	Batch:	272521
Matrix:	Water	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC939655 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Aluminum	ND		ug/L	10	3.2	08/19/21	08/19/21
Antimony	ND		ug/L	0.50	0.060	08/19/21	08/19/21
Arsenic	ND		ug/L	2.0	0.38	08/19/21	08/19/21
Barium	ND		ug/L	5.0	0.28	08/19/21	08/19/21
Beryllium	ND		ug/L	0.50	0.050	08/19/21	08/19/21
Cadmium	ND		ug/L	0.20	0.033	08/19/21	08/19/21
Chromium	ND		ug/L	1.0	0.48	08/19/21	08/19/21
Copper	0.31	J	ug/L	0.50	0.050	08/19/21	08/19/21
Lead	ND		ug/L	0.50	0.044	08/19/21	08/19/21
Nickel	ND		ug/L	1.0	0.20	08/19/21	08/19/21
Selenium	ND		ug/L	2.0	0.27	08/19/21	08/19/21
Silver	ND		ug/L	0.20	0.025	08/19/21	08/19/21
Thallium	ND		ug/L	1.0	0.23	08/19/21	08/19/21
Zinc	ND		ug/L	10	4.2	08/19/21	08/19/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC939656	**Batch:** 272521
Matrix: Water	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC939656 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aluminum	51.61	50.00	ug/L	103%		85-115
Antimony	48.87	50.00	ug/L	98%		85-115
Arsenic	51.24	50.00	ug/L	102%		85-115
Barium	47.37	50.00	ug/L	95%		85-115
Beryllium	52.39	50.00	ug/L	105%		85-115
Cadmium	51.70	50.00	ug/L	103%		85-115
Chromium	46.42	50.00	ug/L	93%		85-115
Copper	48.60	50.00	ug/L	97%		85-115
Lead	47.37	50.00	ug/L	95%		85-115
Nickel	46.93	50.00	ug/L	94%		85-115
Selenium	55.73	50.00	ug/L	111%		85-115
Silver	48.61	50.00	ug/L	97%		85-115
Thallium	47.05	50.00	ug/L	94%		85-115
Zinc	56.21	50.00	ug/L	112%		85-115

Type: Matrix Spike	**Lab ID:** QC939657	**Batch:** 272521
Matrix (Source ID): Water (449411-003)	**Method:** EPA 200.8	**Prep Method:** EPA 200.8

QC939657 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aluminum	31.65	ND	50.00	ug/L	63%	*	70-130	5
Antimony	35.41	ND	50.00	ug/L	71%		70-130	5
Arsenic	44.97	10.51	50.00	ug/L	69%	*	70-130	5
Barium	142.3	146.9	50.00	ug/L	-9%	*	70-130	5
Beryllium	36.01	ND	50.00	ug/L	72%		70-130	5
Cadmium	36.34	ND	50.00	ug/L	73%		70-130	5
Chromium	35.73	ND	50.00	ug/L	71%		70-130	5
Copper	37.06	1.260	50.00	ug/L	72%		70-130	5
Lead	35.83	ND	50.00	ug/L	72%		70-130	5
Nickel	45.02	10.28	50.00	ug/L	69%	*	70-130	5
Selenium	39.56	2.980	50.00	ug/L	73%		70-130	5
Silver	33.91	ND	50.00	ug/L	68%	*	70-130	5
Thallium	35.82	ND	50.00	ug/L	72%		70-130	5
Zinc	42.33	ND	50.00	ug/L	85%		70-130	5

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC939658	Batch:	272521
Matrix (Source ID):	Water (449411-003)	Method:	EPA 200.8	Prep Method:	EPA 200.8

QC939658 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aluminum	46.41	ND	50.00	ug/L	93%		70-130	38*	20	5
Antimony	49.14	ND	50.00	ug/L	98%		70-130	32*	20	5
Arsenic	65.21	10.51	50.00	ug/L	109%		70-130	37*	20	5
Barium	198.1	146.9	50.00	ug/L	102%		70-130	33*	20	5
Beryllium	48.92	ND	50.00	ug/L	98%		70-130	30*	20	5
Cadmium	50.93	ND	50.00	ug/L	102%		70-130	33*	20	5
Chromium	48.30	ND	50.00	ug/L	97%		70-130	30*	20	5
Copper	51.67	1.260	50.00	ug/L	101%		70-130	33*	20	5
Lead	50.06	ND	50.00	ug/L	100%		70-130	33*	20	5
Nickel	63.50	10.28	50.00	ug/L	106%		70-130	34*	20	5
Selenium	56.73	2.980	50.00	ug/L	107%		70-130	36*	20	5
Silver	46.81	ND	50.00	ug/L	94%		70-130	32*	20	5
Thallium	50.02	ND	50.00	ug/L	100%		70-130	33*	20	5
Zinc	61.41	ND	50.00	ug/L	123%		70-130	37*	20	5

Type:	Blank	Lab ID:	QC939701	Batch:	272533
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC939701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/19/21	08/20/21

Type:	Lab Control Sample	Lab ID:	QC939702	Batch:	272533
Matrix:	Water	Method:	SM2540C	Prep Method:	METHOD

QC939702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	106.0	100.0	mg/L	106%		90-110

Type:	Sample Duplicate	Lab ID:	QC939703	Batch:	272533
Matrix (Source ID):	Water (449408-002)	Method:	SM2540C	Prep Method:	METHOD

QC939703 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	5,538	5476	mg/L		1	5	2

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC939744**	**Batch:**	**272549**
Matrix:	**Water**	**Method:**	**SM 4500-F-C**		

QC939744 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Fluoride	0.9900	1.000	mg/L	99%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC939745**	**Batch:**	**272549**
Matrix (Source ID):	**Water (449404-003)**	**Method:**	**SM 4500-F-C**		

QC939745 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Fluoride	1.550	0.5520	1.000	mg/L	100%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939746**	**Batch:**	**272549**
Matrix (Source ID):	**Water (449404-003)**	**Method:**	**SM 4500-F-C**		

QC939746 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Fluoride	1.560	0.5520	1.000	mg/L	101%		75-125	1	20	1

Type:	**Blank**	**Lab ID:**	**QC939747**	**Batch:**	**272550**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939747 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.50	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/21 09:22	08/19/21 09:44
Sulfate	ND		mg/L	1.0	0.25	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/21 09:22	08/19/21 09:44

Type:	**Lab Control Sample**	**Lab ID:**	**QC939748**	**Batch:**	**272550**
Matrix:	**Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	96.68	100.0	mg/L	97%		90-110
Nitrogen, Nitrite	8.808	9.134	mg/L	96%		90-110
Nitrogen, Nitrate	8.648	9.036	mg/L	96%		90-110
Sulfate	50.87	50.00	mg/L	102%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC939749	Batch:	272550
Matrix (Source ID):	Water (449396-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC939749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	328.9	250.6	100.0	mg/L	78%	*	80-120	10
Nitrogen, Nitrite	7.582	ND	9.134	mg/L	83%		80-120	10
Nitrogen, Nitrate	8.807	ND	9.036	mg/L	97%		80-120	10
Sulfate	571.4	634.9	50.00	mg/L	-127%	NM	80-120	10

Type:	Matrix Spike Duplicate	Lab ID:	QC939750	Batch:	272550
Matrix (Source ID):	Water (449396-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC939750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	328.8	250.6	100.0	mg/L	78%	*	80-120	0	20	10
Nitrogen, Nitrite	7.738	ND	9.134	mg/L	85%		80-120	2	20	10
Nitrogen, Nitrate	8.613	ND	9.036	mg/L	95%		80-120	2	20	10
Sulfate	551.0	634.9	50.00	mg/L	-168%	NM	80-120	4	20	10

Type:	Matrix Spike	Lab ID:	QC939751	Batch:	272550
Matrix (Source ID):	Water (449420-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC939751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	171.0	68.78	100.0	mg/L	102%		80-120	1
Nitrogen, Nitrite	8.229	ND	9.134	mg/L	90%		80-120	1
Nitrogen, Nitrate	11.95	2.738	9.036	mg/L	102%		80-120	1
Sulfate	81.64	25.51	50.00	mg/L	112%		80-120	1

Type:	Matrix Spike Duplicate	Lab ID:	QC939752	Batch:	272550
Matrix (Source ID):	Water (449420-001)	Method:	EPA 300.0	Prep Method:	METHOD

QC939752 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	171.8	68.78	100.0	mg/L	103%		80-120	0	20	1
Nitrogen, Nitrite	8.441	ND	9.134	mg/L	92%		80-120	3	20	1
Nitrogen, Nitrate	11.94	2.738	9.036	mg/L	102%		80-120	0	20	1
Sulfate	80.05	25.51	50.00	mg/L	109%		80-120	2	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC939785**	**Batch:**	**272559**
Matrix (Source ID):	**Water (449404-001)**	**Method:**	**SM 4500-H+ B**		

QC939785 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.110	7.080	SU		0	20	1
Temperature	23.10	23.20	deg C		0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC939835	**Batch:** 272582	
Matrix: Water	**Method:** EPA 524.2	**Prep Method:** METHOD	

QC939835 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
2-Chloroethylvinylether	ND		ug/L	50	2.5	08/20/21	08/20/21
Acrolein	ND		ug/L	5.0	3.6	08/20/21	08/20/21
Acrylonitrile	ND		ug/L	2.0	0.8	08/20/21	08/20/21
1,1-Dichloroethene	ND		ug/L	0.50	0.30	08/20/21	08/20/21
Benzene	ND		ug/L	0.50	0.18	08/20/21	08/20/21
Trichloroethene	ND		ug/L	0.50	0.39	08/20/21	08/20/21
Toluene	ND		ug/L	0.50	0.24	08/20/21	08/20/21
Chlorobenzene	ND		ug/L	0.50	0.19	08/20/21	08/20/21
Chloromethane	ND		ug/L	0.50	0.27	08/20/21	08/20/21
Vinyl Chloride	ND		ug/L	0.50	0.18	08/20/21	08/20/21
Bromomethane	ND		ug/L	1.0	0.68	08/20/21	08/20/21
Chloroethane	ND		ug/L	0.50	0.45	08/20/21	08/20/21
Trichlorofluoromethane	ND		ug/L	0.50	0.17	08/20/21	08/20/21
Freon 113	ND		ug/L	0.50	0.35	08/20/21	08/20/21
Methylene Chloride	1.6		ug/L	0.50	0.20	08/20/21	08/20/21
MTBE	ND		ug/L	0.50	0.19	08/20/21	08/20/21
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.33	08/20/21	08/20/21
1,1-Dichloroethane	ND		ug/L	0.50	0.32	08/20/21	08/20/21
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.27	08/20/21	08/20/21
Chloroform	ND		ug/L	0.50	0.18	08/20/21	08/20/21
1,1,1-Trichloroethane	ND		ug/L	0.50	0.38	08/20/21	08/20/21
Carbon Tetrachloride	ND		ug/L	0.50	0.27	08/20/21	08/20/21
1,2-Dichloroethane	ND		ug/L	0.50	0.20	08/20/21	08/20/21
1,2-Dichloropropane	ND		ug/L	0.50	0.36	08/20/21	08/20/21
Bromodichloromethane	ND		ug/L	0.50	0.31	08/20/21	08/20/21
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.25	08/20/21	08/20/21
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.23	08/20/21	08/20/21
1,1,2-Trichloroethane	ND		ug/L	0.50	0.26	08/20/21	08/20/21
Tetrachloroethene	ND		ug/L	0.50	0.20	08/20/21	08/20/21
Dibromochloromethane	ND		ug/L	0.50	0.21	08/20/21	08/20/21
Ethylbenzene	ND		ug/L	0.50	0.21	08/20/21	08/20/21
m,p-Xylenes	ND		ug/L	1.0	0.45	08/20/21	08/20/21
Styrene	ND		ug/L	0.50	0.22	08/20/21	08/20/21
Bromoform	ND		ug/L	0.50	0.20	08/20/21	08/20/21
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.25	08/20/21	08/20/21
1,3-Dichlorobenzene	ND		ug/L	0.50	0.34	08/20/21	08/20/21
1,4-Dichlorobenzene	ND		ug/L	0.50	0.43	08/20/21	08/20/21
1,2-Dichlorobenzene	ND		ug/L	0.50	0.26	08/20/21	08/20/21
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.27	08/20/21	08/20/21
Surrogates				**Limits**			
Bromofluorobenzene	100%		%REC	70-140		08/20/21	08/20/21
1,2-Dichloroethane-d4	101%		%REC	70-140		08/20/21	08/20/21

ENTHALPY ANALYTICAL

Batch QC

QC939835 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Dibromofluoromethane	102%		%REC	70-140		08/20/21	08/20/21
Toluene-d8	98%		%REC	70-140		08/20/21	08/20/21

Type: Lab Control Sample **Lab ID:** QC939836 **Batch:** 272582
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC939836 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Acrylonitrile	51.72	50.00	ug/L	103%		67-130
1,1-Dichloroethene	53.66	50.00	ug/L	107%		70-135
Benzene	52.17	50.00	ug/L	104%		70-130
Trichloroethene	54.26	50.00	ug/L	109%		70-130
Toluene	50.95	50.00	ug/L	102%		70-130
Chlorobenzene	52.40	50.00	ug/L	105%		70-130
MTBE	48.98	50.00	ug/L	98%		70-130
Surrogates						
Bromofluorobenzene	50.57	50.00	ug/L	101%		70-140
1,2-Dichloroethane-d4	49.83	50.00	ug/L	100%		70-140
Dibromofluoromethane	51.17	50.00	ug/L	102%		70-140
Toluene-d8	48.87	50.00	ug/L	98%		70-140

Type: Lab Control Sample Duplicate **Lab ID:** QC939837 **Batch:** 272582
Matrix: Water **Method:** EPA 524.2 **Prep Method:** METHOD

QC939837 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Acrylonitrile	55.35	50.00	ug/L	111%		67-130	7	43
1,1-Dichloroethene	54.77	50.00	ug/L	110%		70-135	2	30
Benzene	52.86	50.00	ug/L	106%		70-130	1	30
Trichloroethene	53.58	50.00	ug/L	107%		70-130	1	30
Toluene	50.96	50.00	ug/L	102%		70-130	0	30
Chlorobenzene	52.98	50.00	ug/L	106%		70-130	1	30
MTBE	50.18	50.00	ug/L	100%		70-130	2	30
Surrogates								
Bromofluorobenzene	50.42	50.00	ug/L	101%		70-140		
1,2-Dichloroethane-d4	49.00	50.00	ug/L	98%		70-140		
Dibromofluoromethane	51.07	50.00	ug/L	102%		70-140		
Toluene-d8	48.55	50.00	ug/L	97%		70-140		

Type: Blank **Lab ID:** QC939842 **Batch:** 272584
Matrix: Water **Method:** SM 5310B

QC939842 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	08/19/21	08/19/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC939843 **Batch:** 272584
Matrix: Water **Method:** SM 5310B

QC939843 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.350	10.00	mg/L	94%		80-120

Type: Matrix Spike **Lab ID:** QC939844 **Batch:** 272584
Matrix (Source ID): Water (449250-004) **Method:** SM 5310B

QC939844 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	50.55	9.975	40.00	mg/L	101%		80-120	4

Type: Matrix Spike Duplicate **Lab ID:** QC939845 **Batch:** 272584
Matrix (Source ID): Water (449250-004) **Method:** SM 5310B

QC939845 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	54.11	9.975	40.00	mg/L	110%		80-120	7	20	4

Type: Blank **Lab ID:** QC939948 **Batch:** 272622
Matrix: Water **Method:** SM 4500-CL-G

QC939948 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	08/20/21 16:30	08/20/21 16:30

Type: Lab Control Sample **Lab ID:** QC939949 **Batch:** 272622
Matrix: Water **Method:** SM 4500-CL-G

QC939949 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9600	1.000	mg/L	96%		80-120

Type: Sample Duplicate **Lab ID:** QC939950 **Batch:** 272622
Matrix (Source ID): Water (449438-001) **Method:** SM 4500-CL-G

QC939950 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:** QC939960	**Batch:** 272626
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** METHOD

QC939960 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		ug/L	0.20	0.094	08/20/21	08/20/21

Type: Lab Control Sample	**Lab ID:** QC939961	**Batch:** 272626
Matrix: Water	**Method:** EPA 245.1	**Prep Method:** METHOD

QC939961 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	5.064	5.000	ug/L	101%		80-120

Type: Matrix Spike	**Lab ID:** QC939962	**Batch:** 272626
Matrix (Source ID): Filtrate (449417-003)	**Method:** EPA 245.1	**Prep Method:** METHOD

QC939962 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	5.101	ND	5.000	ug/L	102%		75-125	1

Type: Matrix Spike Duplicate	**Lab ID:** QC939963	**Batch:** 272626
Matrix (Source ID): Filtrate (449417-003)	**Method:** EPA 245.1	**Prep Method:** METHOD

QC939963 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	5.003	ND	5.000	ug/L	100%		75-125	2	20	1

Type: Blank	**Lab ID:** QC939972	**Batch:** 272630
Matrix: Water	**Method:** SM2540D	**Prep Method:** METHOD

QC939972 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		08/20/21	08/20/21

Type: Sample Duplicate	**Lab ID:** QC939973	**Batch:** 272630
Matrix (Source ID): Water (449248-004)	**Method:** SM2540D	**Prep Method:** METHOD

QC939973 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,433	1433	mg/L		0	5	33

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID:** QC940262 **Batch:** 272708
Matrix: Water **Method:** SM 4500-NH3-G

QC940262 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/24/21	08/24/21

Type: Lab Control Sample **Lab ID:** QC940263 **Batch:** 272708
Matrix: Water **Method:** SM 4500-NH3-G

QC940263 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.411	2.500	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC940264 **Batch:** 272708
Matrix (Source ID): Sea Water (449466-001) **Method:** SM 4500-NH3-G

QC940264 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.634	ND	2.500	mg/L	105%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC940265 **Batch:** 272708
Matrix (Source ID): Sea Water (449466-001) **Method:** SM 4500-NH3-G

QC940265 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.612	ND	2.500	mg/L	104%		80-120	1	20	1

Type: Blank **Lab ID:** QC940355 **Batch:** 272753
Matrix: Water **Method:** SM2320B **Prep Method:** METHOD

QC940355 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Bicarbonate	ND		mg/L	5.0		08/24/21	08/24/21
Carbonate	ND		mg/L	5.0		08/24/21	08/24/21
Hydroxide	ND		mg/L	5.0		08/24/21	08/24/21
Alkalinity, Total as CaCO3	ND		mg/L	5.0		08/24/21	08/24/21

Type: Lab Control Sample **Lab ID:** QC940356 **Batch:** 272753
Matrix: Water **Method:** SM2320B **Prep Method:** METHOD

QC940356 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Alkalinity, Total as CaCO3	971.7	1000	mg/L	97%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	Sample Duplicate	Lab ID:	QC940357	Batch:	272753
Matrix (Source ID):	Water (449342-004)	Method:	SM2320B	Prep Method:	METHOD

QC940357 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Bicarbonate	362.5	368.3	mg/L		2	20	5
Carbonate	ND	ND	mg/L			20	5
Hydroxide	ND	ND	mg/L			20	5
Alkalinity, Total as CaCO3	297.2	301.9	mg/L		2	20	5

Type:	Blank	Lab ID:	QC940568	Batch:	272831
Matrix:	Water	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC940568 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Cyanide	ND		mg/L	0.010	0.0022	08/25/21	08/25/21

Type:	Lab Control Sample	Lab ID:	QC940569	Batch:	272831
Matrix:	Water	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC940569 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Cyanide	0.1850	0.2000	mg/L	93%		73-123

Type:	Matrix Spike	Lab ID:	QC940570	Batch:	272831
Matrix (Source ID):	Water (449404-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC940570 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Cyanide	0.2040	0.005000	0.2000	mg/L	100%		56-129	1

Type:	Matrix Spike Duplicate	Lab ID:	QC940571	Batch:	272831
Matrix (Source ID):	Water (449404-001)	Method:	SM 4500-CN-E	Prep Method:	METHOD

QC940571 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Cyanide	0.2050	0.005000	0.2000	mg/L	100%		56-129	0	37	1

Type:	Blank	Lab ID:	QC940651	Batch:	272864
Matrix:	Water	Method:	SM5540C		

QC940651 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	08/20/21 09:00	08/20/21 16:36

ENTHALPY ANALYTICAL

Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC940652**	**Batch:**	**272864**
Matrix:	**Water**	**Method:**	**SM5540C**		

QC940652 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9770	1.000	mg/L	98%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC940653**	**Batch:**	**272864**
Matrix (Source ID):	**Water (449404-003)**	**Method:**	**SM5540C**		

QC940653 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.015	0.03280	1.000	mg/L	98%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC940654**	**Batch:**	**272864**
Matrix (Source ID):	**Water (449404-003)**	**Method:**	**SM5540C**		

QC940654 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.009	0.03280	1.000	mg/L	98%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC940798	**Batch:** 272921
Matrix: Water	**Method:** EPA 524.2	**Prep Method:** METHOD

QC940798 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Acrylonitrile	ND		ug/L	2.0	0.4	08/26/21	08/26/21
1,1-Dichloroethene	ND		ug/L	0.50	0.27	08/26/21	08/26/21
Benzene	ND		ug/L	0.50	0.32	08/26/21	08/26/21
Trichloroethene	ND		ug/L	0.50	0.29	08/26/21	08/26/21
Toluene	ND		ug/L	0.50	0.26	08/26/21	08/26/21
Chlorobenzene	ND		ug/L	0.50	0.24	08/26/21	08/26/21
Chloromethane	ND		ug/L	0.50	0.34	08/26/21	08/26/21
Vinyl Chloride	ND		ug/L	0.50	0.30	08/26/21	08/26/21
Bromomethane	ND		ug/L	1.0	0.46	08/26/21	08/26/21
Chloroethane	ND		ug/L	0.50	0.26	08/26/21	08/26/21
Trichlorofluoromethane	ND		ug/L	0.50	0.36	08/26/21	08/26/21
Freon 113	ND		ug/L	0.50	0.36	08/26/21	08/26/21
Methylene Chloride	ND		ug/L	0.50	0.42	08/26/21	08/26/21
MTBE	ND		ug/L	0.50	0.37	08/26/21	08/26/21
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.31	08/26/21	08/26/21
1,1-Dichloroethane	ND		ug/L	0.50	0.26	08/26/21	08/26/21
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.29	08/26/21	08/26/21
Chloroform	ND		ug/L	0.50	0.30	08/26/21	08/26/21
1,1,1-Trichloroethane	ND		ug/L	0.50	0.26	08/26/21	08/26/21
Carbon Tetrachloride	ND		ug/L	0.50	0.30	08/26/21	08/26/21
1,2-Dichloroethane	ND		ug/L	0.50	0.29	08/26/21	08/26/21
1,2-Dichloropropane	ND		ug/L	0.50	0.24	08/26/21	08/26/21
Bromodichloromethane	ND		ug/L	0.50	0.25	08/26/21	08/26/21
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.24	08/26/21	08/26/21
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.18	08/26/21	08/26/21
1,1,2-Trichloroethane	ND		ug/L	0.50	0.35	08/26/21	08/26/21
Tetrachloroethene	ND		ug/L	0.50	0.20	08/26/21	08/26/21
Dibromochloromethane	ND		ug/L	0.50	0.36	08/26/21	08/26/21
Ethylbenzene	ND		ug/L	0.50	0.30	08/26/21	08/26/21
m,p-Xylenes	ND		ug/L	1.0	0.43	08/26/21	08/26/21
Styrene	ND		ug/L	0.50	0.26	08/26/21	08/26/21
Bromoform	ND		ug/L	0.50	0.22	08/26/21	08/26/21
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.30	08/26/21	08/26/21
1,3-Dichlorobenzene	ND		ug/L	0.50	0.31	08/26/21	08/26/21
1,4-Dichlorobenzene	ND		ug/L	0.50	0.26	08/26/21	08/26/21
1,2-Dichlorobenzene	ND		ug/L	0.50	0.29	08/26/21	08/26/21
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.20	08/26/21	08/26/21
Surrogates				**Limits**			
Bromofluorobenzene	103%		%REC	70-140	0.83	08/26/21	08/26/21
1,2-Dichloroethane-d4	92%		%REC	70-140	3.0	08/26/21	08/26/21
Dibromofluoromethane	100%		%REC	70-140		08/26/21	08/26/21
Toluene-d8	103%		%REC	70-140	0.35	08/26/21	08/26/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC940799**	**Batch: 272921**
Matrix: Water	**Method: EPA 524.2**	**Prep Method: METHOD**

QC940799 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Acrylonitrile	5.703	10.00	ug/L	57%	b,*	67-130
1,1-Dichloroethene	7.492	10.00	ug/L	75%		70-135
Benzene	9.516	10.00	ug/L	95%		70-130
Trichloroethene	9.484	10.00	ug/L	95%		70-130
Toluene	9.423	10.00	ug/L	94%		70-130
Chlorobenzene	9.461	10.00	ug/L	95%		70-130
MTBE	11.14	10.00	ug/L	111%		70-130
Surrogates						
Bromofluorobenzene	12.40	12.50	ug/L	99%		70-140
1,2-Dichloroethane-d4	12.67	12.50	ug/L	101%		70-140
Dibromofluoromethane	12.15	12.50	ug/L	97%		70-140
Toluene-d8	12.40	12.50	ug/L	99%		70-140

Type: Lab Control Sample Duplicate	**Lab ID: QC940800**	**Batch: 272921**
Matrix: Water	**Method: EPA 524.2**	**Prep Method: METHOD**

QC940800 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Acrylonitrile	5.508	10.00	ug/L	55%	b,*	67-130	3	43
1,1-Dichloroethene	7.514	10.00	ug/L	75%		70-135	0	30
Benzene	9.746	10.00	ug/L	97%		70-130	2	30
Trichloroethene	9.489	10.00	ug/L	95%		70-130	0	30
Toluene	9.697	10.00	ug/L	97%		70-130	3	30
Chlorobenzene	9.752	10.00	ug/L	98%		70-130	3	30
MTBE	11.44	10.00	ug/L	114%		70-130	3	30
Surrogates								
Bromofluorobenzene	12.44	12.50	ug/L	99%		70-140		
1,2-Dichloroethane-d4	12.93	12.50	ug/L	103%		70-140		
Dibromofluoromethane	12.00	12.50	ug/L	96%		70-140		
Toluene-d8	12.32	12.50	ug/L	99%		70-140		

Type: Blank	**Lab ID: QC940801**	**Batch: 272922**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC940801 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.038	J	mg/L	0.20	0.015	08/26/21	08/26/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample | **Lab ID:** QC940802 | **Batch:** 272922
Matrix: Water | **Method:** SM 4500-NH3-G

QC940802 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.468	2.500	mg/L	99%		80-120

Type: Matrix Spike | **Lab ID:** QC940803 | **Batch:** 272922
Matrix (Source ID): Water (449406-001) | **Method:** SM 4500-NH3-G

QC940803 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.87	1.144	12.50	mg/L	102%		80-120	2.5

Type: Matrix Spike Duplicate | **Lab ID:** QC940804 | **Batch:** 272922
Matrix (Source ID): Water (449406-001) | **Method:** SM 4500-NH3-G

QC940804 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.83	1.144	12.50	mg/L	101%		80-120	0	20	2.5

Type: Blank | **Lab ID:** QC940997 | **Batch:** 273009
Matrix: Water | **Method:** SM 4500-P-B5-E

QC940997 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/27/21	08/27/21

Type: Lab Control Sample | **Lab ID:** QC940998 | **Batch:** 273009
Matrix: Water | **Method:** SM 4500-P-B5-E

QC940998 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3930	0.4000	mg/L	98%		80-120

Type: Matrix Spike | **Lab ID:** QC940999 | **Batch:** 273009
Matrix (Source ID): Water (449404-001) | **Method:** SM 4500-P-B5-E

QC940999 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.320	0.2510	1.000	mg/L	107%		75-125	2.5

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC941000**	**Batch:**	**273009**
Matrix (Source ID):	**Water (449404-001)**	**Method:**	**SM 4500-P-B5-E**		

QC941000 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.323	0.2510	1.000	mg/L	107%		75-125	0	20	2.5

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful
b See narrative

Laboratory Job Number 449404

Subcontracted Products

Eurofins CalScience

eurofins | Environment Testing America



ANALYTICAL REPORT

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

Laboratory Job ID: 570-67772-1
Client Project/Site: 449404

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

Attn: Ranjit Clarke

Authorized for release by:
9/2/2021 4:13:45 PM
Sheila Luu, Project Mgmt. Assistant
Sheila.Luu@eurofinset.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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: 449404

Job ID: 570-67772-1

Qualifiers

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: 449404

Job ID: 570-67772-1

Job ID: 570-67772-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-67772-1

Comments
No additional comments.

Receipt
The samples were received on 8/19/2021 5:14 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 2.5º C.

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

General Chemistry
Method SM5210B: All the dilutions failed to deplete the method-required 2 mgO2/L for the following samples: SMBRP-9 (570-67772-1), SMBRP-12 (570-67772-2) and MCWP-MW04D (570-67772-3). Only a "less than" result could be calculated from the least dilute preparation.

No additional analytical or quality issues were noted, other than those described above or 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: 449404

Job ID: 570-67772-1

Client Sample ID: SMBRP-9 — Lab Sample ID: 570-67772-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
HEM: Oil and Grease	0.687	J	1.15	0.585	mg/L	1		1664A	Total/NA

Client Sample ID: SMBRP-12 — Lab Sample ID: 570-67772-2

No Detections.

Client Sample ID: MCWP-MW04D — Lab Sample ID: 570-67772-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Enthalpy Analytical LLC
Project/Site: 449404

Job ID: 570-67772-1

General Chemistry

Client Sample ID: SMBRP-9
Date Collected: 08/18/21 09:00
Date Received: 08/19/21 17:14

Lab Sample ID: 570-67772-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	**0.687**	**J**	1.15	0.585	mg/L		08/23/21 11:25	08/24/21 13:57	1
Biochemical Oxygen Demand	ND		2.50	1.46	mg/L			08/20/21 08:13	1

Client Sample ID: SMBRP-12
Date Collected: 08/18/21 09:50
Date Received: 08/19/21 17:14

Lab Sample ID: 570-67772-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.17	0.599	mg/L		08/23/21 11:25	08/24/21 13:57	1
Biochemical Oxygen Demand	ND		4.17	2.43	mg/L			08/20/21 08:13	1

Client Sample ID: MCWP-MW04D
Date Collected: 08/18/21 13:15
Date Received: 08/19/21 17:14

Lab Sample ID: 570-67772-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.23	0.628	mg/L		08/23/21 11:25	08/24/21 13:57	1
Biochemical Oxygen Demand	ND		1.00	0.584	mg/L			08/20/21 08:13	1

Method: 1664A - HEM and SGT-HEM

Lab Sample ID: MB 570-173585/1-A
Matrix: Water
Analysis Batch: 173981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173585

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
HEM: Oil and Grease	ND		1.00	0.510	mg/L		08/23/21 11:25	08/24/21 13:57	1

Lab Sample ID: LCS 570-173585/2-A
Matrix: Water
Analysis Batch: 173981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
HEM: Oil and Grease	40.0	35.70		mg/L		89	78 - 114

Lab Sample ID: LCSD 570-173585/3-A
Matrix: Water
Analysis Batch: 173981

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 173585

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
HEM: Oil and Grease	40.0	40.30		mg/L		101	78 - 114	12	18

Method: SM5210B - BOD, 5 Day

Lab Sample ID: SCB 570-172982/2
Matrix: Water
Analysis Batch: 172982

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.8737		0.833	0.487	mg/L			08/20/21 08:13	1

Lab Sample ID: USB 570-172982/1
Matrix: Water
Analysis Batch: 172982

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		0.833	0.487	mg/L			08/20/21 08:13	1

Lab Sample ID: LCS 570-172982/3
Matrix: Water
Analysis Batch: 172982

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	171.8		mg/L		87	84.6 - 115.4

QC Association Summary

Client: Enthalpy Analytical LLC
Project/Site: 449404

Job ID: 570-67772-1

General Chemistry

Analysis Batch: 172982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-67772-1	SMBRP-9	Total/NA	Water	SM5210B	
570-67772-2	SMBRP-12	Total/NA	Water	SM5210B	
570-67772-3	MCWP-MW04D	Total/NA	Water	SM5210B	
SCB 570-172982/2	Method Blank	Total/NA	Water	SM5210B	
USB 570-172982/1	Method Blank	Total/NA	Water	SM5210B	
LCS 570-172982/3	Lab Control Sample	Total/NA	Water	SM5210B	

Prep Batch: 173585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-67772-1	SMBRP-9	Total/NA	Water	1664A	
570-67772-2	SMBRP-12	Total/NA	Water	1664A	
570-67772-3	MCWP-MW04D	Total/NA	Water	1664A	
MB 570-173585/1-A	Method Blank	Total/NA	Water	1664A	
LCS 570-173585/2-A	Lab Control Sample	Total/NA	Water	1664A	
LCSD 570-173585/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	

Analysis Batch: 173981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-67772-1	SMBRP-9	Total/NA	Water	1664A	173585
570-67772-2	SMBRP-12	Total/NA	Water	1664A	173585
570-67772-3	MCWP-MW04D	Total/NA	Water	1664A	173585
MB 570-173585/1-A	Method Blank	Total/NA	Water	1664A	173585
LCS 570-173585/2-A	Lab Control Sample	Total/NA	Water	1664A	173585
LCSD 570-173585/3-A	Lab Control Sample Dup	Total/NA	Water	1664A	173585

Lab Chronicle

Client: Enthalpy Analytical LLC
Project/Site: 449404

Job ID: 570-67772-1

Client Sample ID: SMBRP-9

Date Collected: 08/18/21 09:00
Date Received: 08/19/21 17:14

Lab Sample ID: 570-67772-1

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			873 mL	1000 mL	173585	08/23/21 11:25	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			173981	08/24/21 13:57	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	100 mL	300 mL	172982		ZHU8	ECL 1
	Instrument ID: BOD2							(Start) 08/20/21 08:13		
								(End) 08/25/21 05:45		

Client Sample ID: SMBRP-12

Date Collected: 08/18/21 09:50
Date Received: 08/19/21 17:14

Lab Sample ID: 570-67772-2

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			852 mL	1000 mL	173585	08/23/21 11:25	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			173981	08/24/21 13:57	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	60 mL	300 mL	172982		ZHU8	ECL 1
	Instrument ID: BOD2							(Start) 08/20/21 08:13		
								(End) 08/25/21 05:45		

Client Sample ID: MCWP-MW04D

Date Collected: 08/18/21 13:15
Date Received: 08/19/21 17:14

Lab Sample ID: 570-67772-3

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			813 mL	1000 mL	173585	08/23/21 11:25	UWEZ	ECL 1
Total/NA	Analysis	1664A		1			173981	08/24/21 13:57	USUL	ECL 1
	Instrument ID: NO EQUIQ									
Total/NA	Analysis	SM5210B		1	250 mL	300 mL	172982		ZHU8	ECL 1
	Instrument ID: BOD2							(Start) 08/20/21 08:13		
								(End) 08/25/21 05:45		

Laboratory References:

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

Accreditation/Certification Summary

Client: Enthalpy Analytical LLC
Project/Site: 449404

Job ID: 570-67772-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2944	09-30-21
Oregon	NELAP	CA300001	01-30-22

Method Summary

Client: Enthalpy Analytical LLC
Project/Site: 449404

Job ID: 570-67772-1

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

Protocol References:

1664A = EPA-821-98-002

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

Laboratory References:

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

Sample Summary

Client: Enthalpy Analytical LLC
Project/Site: 449404

Job ID: 570-67772-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-67772-1	SMBRP-9	Water	08/18/21 09:00	08/19/21 17:14
570-67772-2	SMBRP-12	Water	08/18/21 09:50	08/19/21 17:14
570-67772-3	MCWP-MW04D	Water	08/18/21 13:15	08/19/21 17:14

67772

ENTHALPY

Enthalpy Analytical - Orange
Orange, CA 92868
(714) 771-6900 / Fax: (510) 486-0532

Subcontract Laboratory:
Eurofins CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1432
ATTN: Xuan Dang
PO #: Required, to be sent via email

Enthalpy Order: EO-449404
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

570-67772 Chain of Custody

Notes:

Please provide a CEDEN EDD and a Geotracker EDF:

CEDEN - Agency is 'MalC'

Geotracker:

Global ID = T10000013495
Client Code = RCIV
Field Point ID = Sample ID as listed below

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
SMBRP-9	18-AUG-2021 09 00	449404-001	1 2	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
SMBRP-12	18-AUG-2021 09.50	449404-002	1 2	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	
MCWP-MW04D	18-AUG-2021 13 15	449404-003	1 2	Water	EPA 1664 Oil & Grease (Total) -OUT	
				Water	BOD	

Notes:	Relinquished By:	Received By:
		Yanee
	Date: 8/19/21 1714	Date: 8/19/21 1714
	Date:	Date:
	Date:	Date:

2.9/2.5 SC6

Login Sample Receipt Checklist

Client: Enthalpy Analytical LLC

Job Number: 570-67772-1

Login Number: 67772
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience LLC

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

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

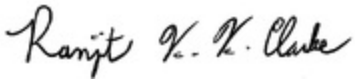
Lab Job Number: 449406
Report Level: II
Report Date: 08/27/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	449406
Project No:	MALIBU
Location:	Malibu-Annual
Date Received:	08/18/21

Sample ID	Lab ID	Collected	Matrix
N-001	449406-001	08/18/21 12:10	Sea Water
N-002	449406-002	08/18/21 12:20	Sea Water
N-003	449406-003	08/18/21 12:35	Sea Water
N-004	449406-004	08/18/21 10:15	Sea Water
L-001	449406-005	08/18/21 10:45	Water
L-002	449406-006	08/18/21 11:25	Water
L-003	449406-007	08/18/21 11:05	Water
L-004	449406-008	08/18/21 11:45	Water
L-005	449406-009	08/18/21 12:40	Water
L-006	449406-010	08/18/21 12:55	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: 449406		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:	Jaime McClain

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)	Test Instructions / Comments
N-001	8/18/21	12:10	sea water	4		X	X	X	X	4.1
N-002	8/18/21	12:20	↓	↓		X	X	X	X	4.6
N-003	8/18/21	12:35				X	X	X	X	
N-004	8/18/21	10:15				X	X	X	X	
L-001	8/18/21	10:45	water			X	X	X	X	
L-002	8/18/21	11:25				X	X	X	X	
L-003	8/18/21	11:05				X	X	X	X	
L-004	8/18/21	11:45				X	X	X	X	
L-005	8/18/21	12:40				X	X	X	X	
L-006	8/18/21	12:55	↓	↓		X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime McClain	Rincon / Biologist	8/18/21 1440
[1] Received By:			EA	8/18/21 1440
[2] Relinquished By:			EA	8/18/21 1720
[2] Received By:		ZAKI DADIA	EA/GC	8/18/21 1720.
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu - Annual

Date Received: 8/18/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 4.1 #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

Section 6

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

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/18/21

ENTHALPY ANALYTICAL

Analysis Results for 449406

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 449406
Project No: MALIBU
Location: Malibu-Annual
Date Received: 08/18/21

Sample ID: N-001 **Lab ID: 449406-001** **Collected: 08/18/21 12:10**
Matrix: Water

449406-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.60	50	272550	08/19/21 09:22	08/19/21 23:15	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 11:12	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	272550	08/19/21 09:22	08/19/21 23:15	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.1**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**1.1**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.28**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**2,000**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**1.1**		mg/L			1	272974	08/26/21	08/26/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449406

Sample ID: N-002	Lab ID: 449406-002	Collected: 08/18/21 12:20
	Matrix: Water	

449406-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.60	50	272550	08/19/21 09:22	08/20/21 02:55	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 11:34	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	272550	08/19/21 09:22	08/20/21 02:55	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.45**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.45**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.031**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.45**		mg/L			1	272974	08/26/21	08/26/21	SLL

Sample ID: N-003	Lab ID: 449406-003	Collected: 08/18/21 12:35
	Matrix: Water	

449406-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.60	50	272550	08/19/21 09:22	08/20/21 03:16	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 11:56	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	272550	08/19/21 09:22	08/20/21 03:16	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.40**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.40**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.019**	J	mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**610**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.40**		mg/L			1	272974	08/26/21	08/26/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449406

Sample ID: N-004 **Lab ID: 449406-004** **Collected: 08/18/21 10:15**
Matrix: Water

449406-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.60	50	272550	08/19/21 09:22	08/20/21 03:38	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 12:18	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	272550	08/19/21 09:22	08/20/21 03:38	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.39**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.39**	J	mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.043**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.39**		mg/L			1	272974	08/26/21	08/26/21	SLL

Sample ID: L-001 **Lab ID: 449406-005** **Collected: 08/18/21 10:45**
Matrix: Water

449406-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	272550	08/19/21 09:22	08/20/21 04:44	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 12:40	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		20	272550	08/19/21 09:22	08/20/21 04:44	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**2.3**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.18**		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**2.5**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.25**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**2.5**		mg/L			1	272974	08/26/21	08/26/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449406

Sample ID: L-002	Lab ID: 449406-006	Collected: 08/18/21 11:25
	Matrix: Water	

449406-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	272550	08/19/21 09:22	08/20/21 05:06	JCP
Nitrogen, Nitrate	**0.28**		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 13:02	JCP
Nitrogen, Nitrate/Nitrite	**0.28**		mg/L	0.10		20	272550	08/19/21 09:22	08/20/21 05:06	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.57**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.10**		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.67**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.065**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.95**		mg/L			1	272974	08/26/21	08/26/21	SLL

Sample ID: L-003	Lab ID: 449406-007	Collected: 08/18/21 11:05
	Matrix: Water	

449406-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	272550	08/19/21 09:22	08/20/21 05:28	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 13:24	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		20	272550	08/19/21 09:22	08/20/21 05:28	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.62**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.076**	J	mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.70**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.033**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.70**		mg/L			1	272974	08/26/21	08/26/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449406

Sample ID: L-004	Lab ID: 449406-008	Collected: 08/18/21 11:45
	Matrix: Water	

449406-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	272550	08/19/21 09:22	08/20/21 05:50	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 15:34	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		20	272550	08/19/21 09:22	08/20/21 05:50	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.85**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.085**	J	mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.93**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.047**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.93**		mg/L			1	272974	08/26/21	08/26/21	SLL

Sample ID: L-005	Lab ID: 449406-009	Collected: 08/18/21 12:40
	Matrix: Water	

449406-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	272550	08/19/21 09:22	08/20/21 06:12	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 15:56	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		20	272550	08/19/21 09:22	08/20/21 06:12	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.96**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.14**		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**1.1**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	ND		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**1.1**		mg/L			1	272974	08/26/21	08/26/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449406

Sample ID: L-006	Lab ID: 449406-010	Collected: 08/18/21 12:55
	Matrix: Water	

449406-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	272550	08/19/21 09:22	08/20/21 06:34	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 16:18	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		20	272550	08/19/21 09:22	08/20/21 06:34	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.65**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.11**		mg/L	0.10	0.010	1	272708	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.76**		mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.029**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: TOTAL NITROGEN										
Total Nitrogen	**0.76**		mg/L			1	272974	08/26/21	08/26/21	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: QC939747	Batch: 272550
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC939747 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/21 09:22	08/19/21 09:44

Type: Lab Control Sample	Lab ID: QC939748	Batch: 272550
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC939748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	8.808	9.134	mg/L	96%		90-110
Nitrogen, Nitrate	8.648	9.036	mg/L	96%		90-110

Type: Matrix Spike	Lab ID: QC939749	Batch: 272550
Matrix (Source ID): Water (449396-001)	Method: EPA 300.0	Prep Method: METHOD

QC939749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	7.582	ND	9.134	mg/L	83%		80-120	10
Nitrogen, Nitrate	8.807	ND	9.036	mg/L	97%		80-120	10

Type: Matrix Spike Duplicate	Lab ID: QC939750	Batch: 272550
Matrix (Source ID): Water (449396-001)	Method: EPA 300.0	Prep Method: METHOD

QC939750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	7.738	ND	9.134	mg/L	85%		80-120	2	20	10
Nitrogen, Nitrate	8.613	ND	9.036	mg/L	95%		80-120	2	20	10

Type: Matrix Spike	Lab ID: QC939751	Batch: 272550
Matrix (Source ID): Water (449420-001)	Method: EPA 300.0	Prep Method: METHOD

QC939751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	8.229	ND	9.134	mg/L	90%		80-120	1
Nitrogen, Nitrate	11.95	2.738	9.036	mg/L	102%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC939752 **Batch:** 272550
Matrix (Source ID): Water (449420-001) **Method:** EPA 300.0 **Prep Method:** METHOD

QC939752 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	8.441	ND	9.134	mg/L	92%		80-120	3	20	1
Nitrogen, Nitrate	11.94	2.738	9.036	mg/L	102%		80-120	0	20	1

Type: Blank **Lab ID:** QC940262 **Batch:** 272708
Matrix: Water **Method:** SM 4500-NH3-G

QC940262 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/24/21	08/24/21

Type: Lab Control Sample **Lab ID:** QC940263 **Batch:** 272708
Matrix: Water **Method:** SM 4500-NH3-G

QC940263 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.411	2.500	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC940264 **Batch:** 272708
Matrix (Source ID): Sea Water (449466-001) **Method:** SM 4500-NH3-G

QC940264 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.634	ND	2.500	mg/L	105%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC940265 **Batch:** 272708
Matrix (Source ID): Sea Water (449466-001) **Method:** SM 4500-NH3-G

QC940265 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.612	ND	2.500	mg/L	104%		80-120	1	20	1

Type: Blank **Lab ID:** QC940801 **Batch:** 272922
Matrix: Water **Method:** SM 4500-NH3-G

QC940801 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.038	J	mg/L	0.20	0.015	08/26/21	08/26/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC940802 **Batch:** 272922
Matrix: Water **Method:** SM 4500-NH3-G

QC940802 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.468	2.500	mg/L	99%		80-120

Type: Matrix Spike **Lab ID:** QC940803 **Batch:** 272922
Matrix (Source ID): Water (449406-001) **Method:** SM 4500-NH3-G

QC940803 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.87	1.144	12.50	mg/L	102%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC940804 **Batch:** 272922
Matrix (Source ID): Water (449406-001) **Method:** SM 4500-NH3-G

QC940804 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.83	1.144	12.50	mg/L	101%		80-120	0	20	2.5

Type: Blank **Lab ID:** QC940997 **Batch:** 273009
Matrix: Water **Method:** SM 4500-P-B5-E

QC940997 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/27/21	08/27/21

Type: Lab Control Sample **Lab ID:** QC940998 **Batch:** 273009
Matrix: Water **Method:** SM 4500-P-B5-E

QC940998 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3930	0.4000	mg/L	98%		80-120

Type: Matrix Spike **Lab ID:** QC940999 **Batch:** 273009
Matrix (Source ID): Water (449404-001) **Method:** SM 4500-P-B5-E

QC940999 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.320	0.2510	1.000	mg/L	107%		75-125	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC941000**	**Batch:**	**273009**
Matrix (Source ID):	**Water (449404-001)**	**Method:**	**SM 4500-P-B5-E**		

QC941000 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.323	0.2510	1.000	mg/L	107%		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

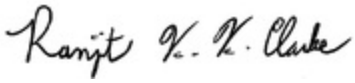
Lab Job Number: 449408
Report Level: II
Report Date: 08/27/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	449408
Project No:	MALIBU
Location:	Malibu - Annual
Date Received:	08/18/21

Sample ID	Lab ID	Collected	Matrix
SMBRP-13	449408-001	08/18/21 12:40	Water
MCWP-MW10	449408-002	08/18/21 13:45	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: 449408			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 - SM9223 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	8/18/21	1240	W			X	X	X	X	X		
MCWP-MW10	8/18/21	1345	W			X	X	X	X	X		
~~CCPE~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~MBCMW-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~SMBRP-7B~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~LAMW-5S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~SMBRP-11~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~MCWP-MW05~~										~~X~~	~~X~~	MC
~~MCWP-MW06~~										~~X~~	~~X~~	MC

7.8/8.1

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/18/21 / 1440
[1] Received By:			EA	8/18/21 1440
[2] Relinquished By:			EA	8/18/21 1728
[2] Received By:		ZAM PADILLA	EA/SL	8/18/21 1720
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu - Annual

Date Received: 8/18/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 8.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 7.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

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

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 8/18/21

ENTHALPY ANALYTICAL

Analysis Results for 449408

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 449408
Project No: MALIBU
Location: Malibu - Annual
Date Received: 08/18/21

Sample ID: SMBRP-13 **Lab ID: 449408-001** **Collected: 08/18/21 12:40**
Matrix: Water

449408-001 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	272550	08/19/21 09:22	08/19/21 16:40	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 16:40	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		1	272550	08/19/21 09:22	08/19/21 16:40	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.13**		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.34**	B,J	mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.21**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.1**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**2.0**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,200**		mg/L	20		2	272533	08/19/21	08/20/21	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449408

Sample ID: MCWP-MW10	Lab ID: 449408-002	Collected: 08/18/21 13:45
	Matrix: Water	

449408-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.50	0.06	5	272550	08/19/21 09:22	08/20/21 06:56	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	272550	08/19/21 09:22	08/19/21 17:02	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		5	272550	08/19/21 09:22	08/20/21 06:56	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.24**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.24**	B,J	mg/L	0.40	0.030	1	272922	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.11**		mg/L	0.020	0.010	1	273009	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Coliform, Total	**2.0**		MPN/100ml	1.0		1	272545	08/18/21 18:00	08/19/21 14:00	SZL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,500**		mg/L	20		2	272533	08/19/21	08/20/21	WWC

< Value is less than indicated concentration
B Contamination found in associated Method Blank
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: QC939701	Batch: 272533
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC939701 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/19/21	08/20/21

Type: Lab Control Sample	Lab ID: QC939702	Batch: 272533
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC939702 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	106.0	100.0	mg/L	106%		90-110

Type: Sample Duplicate	Lab ID: QC939703	Batch: 272533
Matrix (Source ID): Water (449408-002)	Method: SM2540C	Prep Method: METHOD

QC939703 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	5,538	5476	mg/L		1	5	2

Type: Blank	Lab ID: QC939747	Batch: 272550
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC939747 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/19/21 09:22	08/19/21 09:44
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/19/21 09:22	08/19/21 09:44

Type: Lab Control Sample	Lab ID: QC939748	Batch: 272550
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC939748 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	8.808	9.134	mg/L	96%		90-110
Nitrogen, Nitrate	8.648	9.036	mg/L	96%		90-110

Type: Matrix Spike	Lab ID: QC939749	Batch: 272550
Matrix (Source ID): Water (449396-001)	Method: EPA 300.0	Prep Method: METHOD

QC939749 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	7.582	ND	9.134	mg/L	83%		80-120	10
Nitrogen, Nitrate	8.807	ND	9.036	mg/L	97%		80-120	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939750**	**Batch:**	**272550**
Matrix (Source ID):	**Water (449396-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939750 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	7.738	ND	9.134	mg/L	85%		80-120	2	20	10
Nitrogen, Nitrate	8.613	ND	9.036	mg/L	95%		80-120	2	20	10

Type:	**Matrix Spike**	**Lab ID:**	**QC939751**	**Batch:**	**272550**
Matrix (Source ID):	**Water (449420-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939751 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	8.229	ND	9.134	mg/L	90%		80-120	1
Nitrogen, Nitrate	11.95	2.738	9.036	mg/L	102%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC939752**	**Batch:**	**272550**
Matrix (Source ID):	**Water (449420-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC939752 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	8.441	ND	9.134	mg/L	92%		80-120	3	20	1
Nitrogen, Nitrate	11.94	2.738	9.036	mg/L	102%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC940266**	**Batch:**	**272710**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC940266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/24/21	08/24/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC940267**	**Batch:**	**272710**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC940267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.396	2.500	mg/L	96%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC940268**
Matrix (Source ID):	**Water (449481-001)**	**Method:**	**SM 4500-NH3-G**

Batch: 272710

QC940268 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	3.528	0.2240	2.500	mg/L	132%	*	80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC940269**
Matrix (Source ID):	**Water (449481-001)**	**Method:**	**SM 4500-NH3-G**

Batch: 272710

QC940269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	3.529	0.2240	2.500	mg/L	132%	*	80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC940801**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**

Batch: 272922

QC940801 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.038	J	mg/L	0.20	0.015	08/26/21	08/26/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC940802**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**

Batch: 272922

QC940802 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.468	2.500	mg/L	99%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC940803**
Matrix (Source ID):	**Water (449406-001)**	**Method:**	**SM 4500-NH3-G**

Batch: 272922

QC940803 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.87	1.144	12.50	mg/L	102%		80-120	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC940804**
Matrix (Source ID):	**Water (449406-001)**	**Method:**	**SM 4500-NH3-G**

Batch: 272922

QC940804 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.83	1.144	12.50	mg/L	101%		80-120	0	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC940997**	**Batch: 273009**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC940997 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/27/21	08/27/21

Type: Lab Control Sample	**Lab ID: QC940998**	**Batch: 273009**
Matrix: Water	**Method: SM 4500-P-B5-E**	

QC940998 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3930	0.4000	mg/L	98%		80-120

Type: Matrix Spike	**Lab ID: QC940999**	**Batch: 273009**
Matrix (Source ID): Water (449404-001)	**Method: SM 4500-P-B5-E**	

QC940999 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.320	0.2510	1.000	mg/L	107%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID: QC941000**	**Batch: 273009**
Matrix (Source ID): Water (449404-001)	**Method: SM 4500-P-B5-E**	

QC941000 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.323	0.2510	1.000	mg/L	107%		75-125	0	20	2.5

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

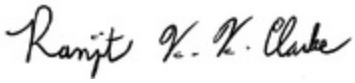
Lab Job Number: 449479
Report Level: II
Report Date: 08/31/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	449479
Project No:	MALIBU
Location:	Malibu - Annual
Date Received:	08/19/21

Sample ID	Lab ID	Collected	Matrix
CCPE	449479-001	08/19/21 12:15	Water
SMBRP-11	449479-002	08/19/21 08:30	Water
MCWP-MW05	449479-003	08/19/21 14:50	Water
MCWP-MW06	449479-004	08/19/21 10:30	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: 449479				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus	SM 2540C TDS	EPA 300.0 (NO3)	Test Instructions / Comments
												6.0/1.6
~~SMBRP-13~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		~~MC~~
~~MCWP-MW10~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		~~MC~~
CCPE	8/19/21	1215	W			X	X	X	X	X		
MBCMW-9						X	X	X	X	X		NO SAMPLE - INSUFFICENT WATER
~~SMBRP-7B~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		~~MC~~
~~LAMW-5S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		~~MC~~
SMBRP-11	8/19/21	0830	W			X	X	X	X	X		
MCWP-MW05	8/19/21	1450	W							X	X	
MCWP-MW06	8/19/21	1030	W							X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	8/19/21 / 1500
[1] Received By:			EA	8/19/21 1502
[2] Relinquished By:			EA	8/19/21 1743
[2] Received By:		Elizabeth Ramirez	EA	8/19/21 17:43
[3] Relinquished By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Ventura Project: Malibu - Annual

Date Received: 8/19/21 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: 6.0 #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: 1.6 #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: 8/19/21

ENTHALPY ANALYTICAL

Analysis Results for 449479

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 449479
Project No: MALIBU
Location: Malibu - Annual
Date Received: 08/19/21

Sample ID: CCPE **Lab ID: 449479-001** **Collected: 08/19/21 12:15**
Matrix: Water

449479-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.50	0.06	5	272633	08/20/21 09:10	08/20/21 14:42	JCP
Nitrogen, Nitrate	**0.42**		mg/L	0.10	0.05	1	272633	08/20/21 09:10	08/20/21 12:09	JCP
Nitrogen, Nitrate/Nitrite	**0.42**		mg/L	0.10		5	272633	08/20/21 09:10	08/20/21 14:42	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.12**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**0.12**	J	mg/L	0.40	0.030	1	272928	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.057**		mg/L	0.020	0.010	1	273010	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	272574	08/19/21 17:50	08/20/21 15:30	CCO
Coliform, Total	**50**		MPN/100ml	1.0		1	272574	08/19/21 17:50	08/20/21 15:30	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**9,700**		mg/L	100		10	272619	08/20/21	08/21/21	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 449479

Sample ID: SMBRP-11 **Lab ID: 449479-002** **Collected: 08/19/21 08:30**
Matrix: Water

449479-002 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	272633	08/20/21 09:10	08/20/21 12:31	JCP
Nitrogen, Nitrate	**1.7**		mg/L	0.10	0.05	1	272633	08/20/21 09:10	08/20/21 12:31	JCP
Nitrogen, Nitrate/Nitrite	**1.7**		mg/L	0.10		1	272633	08/20/21 09:10	08/20/21 12:31	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.40**		mg/L			1	272918	08/26/21	08/26/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.90**		mg/L	0.10	0.010	1	272710	08/24/21	08/24/21	ATP
Nitrogen, Total Kjeldahl	**1.3**		mg/L	0.40	0.030	1	272928	08/26/21	08/26/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.047**		mg/L	0.020	0.010	1	273010	08/27/21	08/27/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	272574	08/19/21 17:50	08/20/21 15:30	CCO
Coliform, Total	**9.8**		MPN/100ml	1.0		1	272574	08/19/21 17:50	08/20/21 15:30	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	272619	08/20/21	08/21/21	WWC

Sample ID: MCWP-MW05 **Lab ID: 449479-003** **Collected: 08/19/21 14:50**
Matrix: Water

449479-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**1.8**		mg/L	0.10	0.05	1	272633	08/20/21 09:10	08/20/21 12:53	JCP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	272619	08/20/21	08/21/21	WWC

Sample ID: MCWP-MW06 **Lab ID: 449479-004** **Collected: 08/19/21 10:30**
Matrix: Water

449479-004 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	272633	08/20/21 09:10	08/20/21 13:59	JCP
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	272619	08/20/21	08/21/21	WWC

Results for any subcontracted analyses are not included in this section.

Analysis Results for 449479

<	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: QC939937	Batch: 272619
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC939937 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		08/20/21	08/21/21

Type: Lab Control Sample	Lab ID: QC939938	Batch: 272619
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC939938 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	94.00	100.0	mg/L	94%		90-110

Type: Sample Duplicate	Lab ID: QC939939	Batch: 272619
Matrix (Source ID): Water (449486-001)	Method: SM2540C	Prep Method: METHOD

QC939939 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	158.0	152.0	mg/L		4	5	2

Type: Blank	Lab ID: QC940019	Batch: 272633
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC940019 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	08/20/21 09:10	08/20/21 13:37
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	08/20/21 09:10	08/20/21 13:37
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		08/20/21 09:10	08/20/21 13:37

Type: Lab Control Sample	Lab ID: QC940020	Batch: 272633
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC940020 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.605	9.134	mg/L	105%		90-110
Nitrogen, Nitrate	8.230	9.036	mg/L	91%		90-110

Type: Matrix Spike	Lab ID: QC940021	Batch: 272633
Matrix (Source ID): Water (449487-001)	Method: EPA 300.0	Prep Method: METHOD

QC940021 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.957	ND	9.134	mg/L	109%		80-120	1
Nitrogen, Nitrate	8.858	0.1041	9.036	mg/L	97%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate **Lab ID:** QC940022 **Batch:** 272633
Matrix (Source ID): Water (449487-001) **Method:** EPA 300.0 **Prep Method:** METHOD

QC940022 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	10.53	ND	9.134	mg/L	115%		80-120	6	20	1
Nitrogen, Nitrate	8.952	0.1041	9.036	mg/L	98%		80-120	1	20	1

Type: Blank **Lab ID:** QC940266 **Batch:** 272710
Matrix: Water **Method:** SM 4500-NH3-G

QC940266 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	08/24/21	08/24/21

Type: Lab Control Sample **Lab ID:** QC940267 **Batch:** 272710
Matrix: Water **Method:** SM 4500-NH3-G

QC940267 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.396	2.500	mg/L	96%		80-120

Type: Matrix Spike **Lab ID:** QC940268 **Batch:** 272710
Matrix (Source ID): Water (449481-001) **Method:** SM 4500-NH3-G

QC940268 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	3.528	0.2240	2.500	mg/L	132%	*	80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC940269 **Batch:** 272710
Matrix (Source ID): Water (449481-001) **Method:** SM 4500-NH3-G

QC940269 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	3.529	0.2240	2.500	mg/L	132%	*	80-120	0	20	1

Type: Blank **Lab ID:** QC940819 **Batch:** 272928
Matrix: Water **Method:** SM 4500-NH3-G

QC940819 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	08/26/21	08/26/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC940820 **Batch:** 272928
Matrix: Water **Method:** SM 4500-NH3-G

QC940820 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.501	2.500	mg/L	100%		80-120

Type: Matrix Spike **Lab ID:** QC940821 **Batch:** 272928
Matrix (Source ID): Water (449679-001) **Method:** SM 4500-NH3-G

QC940821 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.43	0.1464	12.50	mg/L	106%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC940822 **Batch:** 272928
Matrix (Source ID): Water (449679-001) **Method:** SM 4500-NH3-G

QC940822 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.22	0.1464	12.50	mg/L	105%		80-120	2	20	2.5

Type: Blank **Lab ID:** QC941001 **Batch:** 273010
Matrix: Water **Method:** SM 4500-P-B5-E

QC941001 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	08/27/21	08/27/21

Type: Lab Control Sample **Lab ID:** QC941002 **Batch:** 273010
Matrix: Water **Method:** SM 4500-P-B5-E

QC941002 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3950	0.4000	mg/L	99%		80-120

Type: Matrix Spike **Lab ID:** QC941003 **Batch:** 273010
Matrix (Source ID): Water (449479-001) **Method:** SM 4500-P-B5-E

QC941003 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.078	0.05700	1.000	mg/L	102%		75-125	2.5

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC941004**	**Batch:**	**273010**
Matrix (Source ID):	**Water (449479-001)**	**Method:**	**SM 4500-P-B5-E**		

QC941004 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.080	0.05700	1.000	mg/L	102%		75-125	0	20	2.5

* Value is outside QC limits

ND Not Detected

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

AmeriSci Los Angeles

24416 South Main Street

Carson, CA 90745

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3037**

Expiration Date: **11/30/2021**

Effective Date: **12/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing



AmeriSci Los Angeles

24416 South Main Street
Carson, CA 90745
Phone: 3108344868

Certificate No. 3037
Expiration Date 11/30/2021

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water			
103.125	002	Antimony	EPA 200.5
103.125	003	Arsenic	EPA 200.5
103.125	013	Selenium	EPA 200.5
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.150	009	Lead	EPA 200.9
103.160	001	Mercury	EPA 245.1
103.300	001	Asbestos	EPA 100.1
103.301	001	Asbestos	EPA 100.2
Field of Testing: 108 - Inorganic Constituents in Non-Potable Water			
108.020	001	Specific Conductance	EPA 120.1
108.051	001	Hydrogen Ion (pH)	EPA 150.2
108.110	001	Turbidity	EPA 180.1
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water			
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7

As of 12/1/2019, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

109.010	011	Copper	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM 3500-Cr B-2009
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.103	001	Chromium (VI)	EPA 7196 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

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: **4/30/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate Number: 3046
Expiration Date: 4/30/2022
INTERIM

Field of Accreditation: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	EPA 1613 B

Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.250	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
111.250	002	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
111.250	003	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 1613 B
111.250	004	Total Tetrachlorodibenzofuran (TCDF)	EPA 1613 B
111.250	005	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B
111.250	006	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B
111.250	007	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250	008	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250	009	Total Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250	010	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	011	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	012	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	013	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	014	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	015	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	016	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	017	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	018	Total Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	019	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B
111.250	020	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B
111.250	021	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	022	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	023	Total Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	024	OCDD	EPA 1613 B
111.250	025	OCDF	EPA 1613 B

Oregon
Environmental Laboratory
Accreditation Program

NELAP Recognized

Ceres Analytical Laboratory, Inc.

4049

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids and Chemical Waste	Tissue
	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Travis Bartholomew
Oregon State Public Health Laboratory
ORELAP Program Manager
7202 NE Evergreen Parkway, Suite 100
Hillsboro, OR 97124

EFFECTIVE DATE : **2/14/2021**
EXPIRATION DATE : **2/13/2022**
Certificate No : **4049 - 009**

OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

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

ORELAP ID: 4049
EPA CODE: CA01612
Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
Drinking Water					
	EPA 1613B			10120602	Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
Non-Potable Water					
	EPA 1613B			10120602	Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS
		9516	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		
		9519	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		
		9420	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)		
		9426	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)		
		9423	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)		
		9471	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)		
		9453	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)		
		9474	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)		
		9456	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)		
		9477	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)		
		9459	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)		
		9543	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)		
		9540	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9480	2,3,4,6,7,8-Hexachlorodibenzofuran		
		9549	2,3,4,7,8-Pentachlorodibenzofuran		
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
		9612	2,3,7,8-Tetrachlorodibenzofuran		
		9438	Hpcdd, total		
		9444	Hpcdf, total		
		9468	Hxcdd, total		
		9483	Hxcdf, total		
		9555	Pecdd, total		
		9552	Pecdf, total		
		9609	TCDD, total		
		9615	TCDF, total		
	EPA 1668C EPA 1668C			10262109	Chlorinated Biphenyl Cogeners in Water, Soil, Sediment, and Tissue by GC-HRMS
		9095	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ-206)		
		9090	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ-194)		
		9101	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ-207)		
		9103	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ-195)		
		9102	2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ-196)		
		9065	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ-170)		
		9104	2,2',3,3',4,4',6,6'-Octachlorobiphenyl (BZ-197)		
		9106	2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ-171)		
		9020	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ-128)		
		9107	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ-208)		
		9109	2,2',3,3',4,5,5',6-Octachlorobiphenyl		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			(BZ-198)		
		9108	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (BZ-199)		
		9110	2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ-172)		
		9111	2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ-200)		
		9112	2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ-201)		
		9113	2,2',3,3',4,5,6-Heptachlorobiphenyl (BZ-173)		
		9116	2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ-174)		
		9115	2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ-175)		
		9114	2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ-177)		
		9118	2,2',3,3',4,5-Hexachlorobiphenyl (BZ-129)		
		9117	2,2',3,3',4,5'-Hexachlorobiphenyl (BZ-130)		
		9119	2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ-176)		
		9121	2,2',3,3',4,6-Hexachlorobiphenyl (BZ-131)		
		9120	2,2',3,3',4,6'-Hexachlorobiphenyl (BZ-132)		
		9122	2,2',3,3',4-Pentachlorobiphenyl (BZ-82)		
		9123	2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ-202)		
		9124	2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ-178)		
		9125	2,2',3,3',5,5'-Hexachlorobiphenyl (BZ-133)		
		9126	2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ-179)		
		9128	2,2',3,3',5,6-Hexachlorobiphenyl (BZ-134)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9127	2,2',3,3',5,6'-Hexachlorobiphenyl (BZ-135)		
		9129	2,2',3,3',5-Pentachlorobiphenyl (BZ-83)		
		9130	2,2',3,3',6,6'-Hexachlorobiphenyl (BZ-136)		
		9131	2,2',3,3',6-Pentachlorobiphenyl (BZ-84)		
		9132	2,2',3,3'-Tetrachlorobiphenyl (BZ-40)		
		9133	2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ-203)		
		9134	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ-180)		
		9135	2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ-204)		
		9137	2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ-181)		
		9136	2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ-182)		
		9075	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ-183)		
		9138	2,2',3,4,4',5-Hexachlorobiphenyl (BZ-137)		
		9025	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ-138)		
		9139	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ-184)		
		9141	2,2',3,4,4',6-Hexachlorobiphenyl (BZ-139)		
		9140	2,2',3,4,4',6'-Hexachlorobiphenyl (BZ-140)		
		9142	2,2',3,4,4'-Pentachlorobiphenyl (BZ-85)		
		9143	2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ-185)		
		9080	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ-187)		
		9030	2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-141)		
		9144	2,2',3,4',5,5'-Hexachlorobiphenyl (BZ-		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			146)		
		9145	2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-186)		
		9146	2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ-188)		
		9148	2,2',3,4,5,6-Hexachlorobiphenyl (BZ-142)		
		9152	2,2',3,4,5,6'-Hexachlorobiphenyl (BZ-143)		
		9150	2,2',3,4,5',6-Hexachlorobiphenyl (BZ-144)		
		9149	2,2',3,4',5,6-Hexachlorobiphenyl (BZ-147)		
		9147	2,2',3,4',5,6'-Hexachlorobiphenyl (BZ-148)		
		9151	2,2',3,4',5',6-Hexachlorobiphenyl (BZ-149)		
		9153	2,2',3,4,5-Pentachlorobiphenyl (BZ-86)		
		8975	2,2',3,4,5'-Pentachlorobiphenyl (BZ-87)		
		9155	2,2',3,4',5-Pentachlorobiphenyl (BZ-90)		
		9154	2,2',3,4',5'-Pentachlorobiphenyl (BZ-97)		
		9156	2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-145)		
		9157	2,2',3,4',6,6'-Hexachlorobiphenyl (BZ-150)		
		9158	2,2',3,4,6-Pentachlorobiphenyl (BZ-88)		
		9161	2,2',3,4,6'-Pentachlorobiphenyl (BZ-89)		
		9160	2,2',3,4',6-Pentachlorobiphenyl (BZ-91)		
		9159	2,2',3,4',6'-Pentachlorobiphenyl (BZ-98)		
		9163	2,2',3,4-Tetrachlorobiphenyl (BZ-41)		
		9162	2,2',3,4'-Tetrachlorobiphenyl (BZ-42)		
		9035	2,2',3,5,5',6-Hexachlorobiphenyl (BZ-151)		
		9164	2,2',3,5,5'-Pentachlorobiphenyl (BZ-92)		
		9165	2,2',3,5,6,6'-Hexachlorobiphenyl (BZ-152)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9168	2,2',3,5,6-Pentachlorobiphenyl (BZ-93)		
		9167	2,2',3,5,6'-Pentachlorobiphenyl (BZ-94)		
		9166	2,2',3,5',6-Pentachlorobiphenyl (BZ-95)		
		9169	2,2',3,5-Tetrachlorobiphenyl (BZ-43)		
		8945	2,2',3,5'-Tetrachlorobiphenyl (BZ-44)		
		9170	2,2',3,6,6'-Pentachlorobiphenyl (BZ-96)		
		9172	2,2',3,6-Tetrachlorobiphenyl (BZ-45)		
		9171	2,2',3,6'-Tetrachlorobiphenyl (BZ-46)		
		9173	2,2',3-Trichlorobiphenyl (BZ-16)		
		9040	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ-153)		
		9174	2,2',4,4',5,6'-Hexachlorobiphenyl (BZ-154)		
		9175	2,2',4,4',5-Pentachlorobiphenyl (BZ-99)		
		9176	2,2',4,4',6,6'-Hexachlorobiphenyl (BZ-155)		
		9177	2,2',4,4',6-Pentachlorobiphenyl (BZ-100)		
		9178	2,2',4,4'-Tetrachlorobiphenyl (BZ-47)		
		8980	2,2',4,5,5'-Pentachlorobiphenyl (BZ-101)		
		9180	2,2',4,5,6'-Pentachlorobiphenyl (BZ-102)		
		9179	2,2',4,5',6-Pentachlorobiphenyl (BZ-103)		
		9181	2,2',4,5-Tetrachlorobiphenyl (BZ-48)		
		8950	2,2',4,5'-Tetrachlorobiphenyl (BZ-49)		
		9182	2,2',4,6,6'-Pentachlorobiphenyl (BZ-104)		
		9184	2,2',4,6-Tetrachlorobiphenyl (BZ-50)		
		9183	2,2',4,6'-Tetrachlorobiphenyl (BZ-51)		
		9185	2,2',4-Trichlorobiphenyl (BZ-17)		
		8955	2,2',5,5'-Tetrachlorobiphenyl (BZ-52)		
		9186	2,2',5,6'-Tetrachlorobiphenyl (BZ-53)		
		8930	2,2',5-Trichlorobiphenyl (BZ-18)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9187	2,2',6,6'-Tetrachlorobiphenyl (BZ-54)		
		9188	2,2',6-Trichlorobiphenyl (BZ-19)		
		9189	2,2'-Dichlorobiphenyl (BZ-4)		
		9190	2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ-205)		
		9085	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ-189)		
		9191	2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-190)		
		9192	2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ-191)		
		9050	2,3,3',4,4',5-Hexachlorobiphenyl (BZ-156)		
		9045	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ-157)		
		9193	2,3,3',4,4',6-Hexachlorobiphenyl (BZ-158)		
		8985	2,3,3',4,4'-Pentachlorobiphenyl (BZ-105)		
		9194	2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ-192)		
		9195	2,3,3',4',5,5',6-Heptachlorobiphenyl (BZ-193)		
		9196	2,3,3',4,5,5'-Hexachlorobiphenyl (BZ-159)		
		9197	2,3,3',4',5,5'-Hexachlorobiphenyl (BZ-162)		
		9198	2,3,3',4,5,6-Hexachlorobiphenyl (BZ-160)		
		9199	2,3,3',4',5,6-Hexachlorobiphenyl (BZ-163)		
		9201	2,3,3',4',5',6-Hexachlorobiphenyl (BZ-164)		
		9200	2,3,3',4,5',6-Hexachlorobiphenyl (BZ-161)		
		9204	2,3,3',4,5-Pentachlorobiphenyl (BZ-106)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9205	2,3,3',4',5-Pentachlorobiphenyl (BZ-107)		
		9203	2,3,3',4,5'-Pentachlorobiphenyl (BZ-108)		
		9202	2,3,3',4',5'-Pentachlorobiphenyl (BZ-122)		
		9206	2,3,3',4,6-Pentachlorobiphenyl (BZ-109)		
		8990	2,3,3',4',6-Pentachlorobiphenyl (BZ-110)		
		9208	2,3,3',4-Tetrachlorobiphenyl (BZ-55)		
		9207	2,3,3',4'-Tetrachlorobiphenyl (BZ-56)		
		9209	2,3,3',5,5',6-Hexachlorobiphenyl (BZ-165)		
		9210	2,3,3',5,5'-Pentachlorobiphenyl (BZ-111)		
		9211	2,3,3',5,6-Pentachlorobiphenyl (BZ-112)		
		9212	2,3,3',5',6-Pentachlorobiphenyl (BZ-113)		
		9214	2,3,3',5-Tetrachlorobiphenyl (BZ-57)		
		9213	2,3,3',5'-Tetrachlorobiphenyl (BZ-58)		
		9215	2,3,3',6-Tetrachlorobiphenyl (BZ-59)		
		9216	2,3,3'-Trichlorobiphenyl (BZ-20)		
		9055	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ-167)		
		9217	2,3,4,4',5,6-Hexachlorobiphenyl (BZ-166)		
		9218	2,3',4,4',5',6-Hexachlorobiphenyl (BZ-168)		
		9005	2,3,4,4',5-Pentachlorobiphenyl (BZ-114)		
		8995	2,3',4,4',5-Pentachlorobiphenyl (BZ-118)		
		9000	2,3',4,4',5'-Pentachlorobiphenyl (BZ-123)		
		9219	2,3,4,4',6-Pentachlorobiphenyl (BZ-115)		
		9220	2,3',4,4',6-Pentachlorobiphenyl (BZ-119)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9221	2,3,4,4'-Tetrachlorobiphenyl (BZ-60)		
		8960	2,3',4,4'-Tetrachlorobiphenyl (BZ-66)		
		9223	2,3',4,5,5'-Pentachlorobiphenyl (BZ-120)		
		9222	2,3',4',5,5'-Pentachlorobiphenyl (BZ-124)		
		9225	2,3,4,5,6-Pentachlorobiphenyl (BZ-116)		
		9227	2,3,4',5,6-Pentachlorobiphenyl (BZ-117)		
		9226	2,3',4,5',6-Pentachlorobiphenyl (BZ-121)		
		9224	2,3',4',5',6-Pentachlorobiphenyl (BZ-125)		
		9228	2,3,4,5-Tetrachlorobiphenyl (BZ-61)		
		9233	2,3,4',5-Tetrachlorobiphenyl (BZ-63)		
		9231	2,3',4,5'-Tetrachlorobiphenyl (BZ-68)		
		9230	2,3',4',5-Tetrachlorobiphenyl (BZ-70)		
		9229	2,3',4',5'-Tetrachlorobiphenyl (BZ-76)		
		9232	2,3',4,5-Tetrachlorobiphenyl (BZ-67)		
		9234	2,3,4,6-Tetrachlorobiphenyl (BZ-62)		
		9236	2,3,4',6-Tetrachlorobiphenyl (BZ-64)		
		9235	2,3',4,6-Tetrachlorobiphenyl (BZ-69)		
		9237	2,3',4',6-Tetrachlorobiphenyl (BZ-71)		
		9238	2,3,4-Trichlorobiphenyl (BZ-21)		
		9241	2,3,4'-Trichlorobiphenyl (BZ-22)		
		9240	2,3',4-Trichlorobiphenyl (BZ-25)		
		9239	2,3',4'-Trichlorobiphenyl (BZ-33)		
		9242	2,3',5,5'-Tetrachlorobiphenyl (BZ-72)		
		9243	2,3,5,6-Tetrachlorobiphenyl (BZ-65)		
		9244	2,3',5',6-Tetrachlorobiphenyl (BZ-73)		
		9245	2,3,5-Trichlorobiphenyl (BZ-23)		
		8935	2,3',5-Trichlorobiphenyl (BZ-26)		
		9246	2,3',5'-Trichlorobiphenyl (BZ-34)		
		9247	2,3,6-Trichlorobiphenyl (BZ-24)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9248	2,3',6-Trichlorobiphenyl (BZ-27)		
		8920	2,3-Dichlorobiphenyl (BZ-5)		
		9249	2,3'-Dichlorobiphenyl (BZ-6)		
		9250	2,4,4',5-Tetrachlorobiphenyl (BZ-74)		
		9251	2,4,4',6-Tetrachlorobiphenyl (BZ-75)		
		9252	2,4,4'-Trichlorobiphenyl (BZ-28)		
		9253	2,4,5-Trichlorobiphenyl (BZ-29)		
		8940	2,4',5-Trichlorobiphenyl (BZ-31)		
		9254	2,4,6-Trichlorobiphenyl (BZ-30)		
		9255	2,4',6-Trichlorobiphenyl (BZ-32)		
		9257	2,4-Dichlorobiphenyl (BZ-7)		
		9256	2,4'-Dichlorobiphenyl (BZ-8)		
		9258	2,5-Dichlorobiphenyl (BZ-9)		
		9259	2,6-Dichlorobiphenyl (BZ-10)		
		8915	2-Chlorobiphenyl (BZ-1)		
		9060	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ-169)		
		9015	3,3',4,4',5-Pentachlorobiphenyl (BZ-126)		
		8965	3,3',4,4'-Tetrachlorobiphenyl (BZ-77)		
		9260	3,3',4,5,5'-Pentachlorobiphenyl (BZ-127)		
		9262	3,3',4,5-Tetrachlorobiphenyl (BZ-78)		
		9261	3,3',4,5'-Tetrachlorobiphenyl (BZ-79)		
		9263	3,3',4-Trichlorobiphenyl (BZ-35)		
		9264	3,3',5,5'-Tetrachlorobiphenyl (BZ-80)		
		9265	3,3',5-Trichlorobiphenyl (BZ-36)		
		8925	3,3'-Dichlorobiphenyl (BZ-11)		
		8970	3,4,4',5-Tetrachlorobiphenyl (BZ-81)		
		9266	3,4,4'-Trichlorobiphenyl (BZ-37)		
		9267	3,4,5-Trichlorobiphenyl (BZ-38)		
		9268	3,4',5-Trichlorobiphenyl (BZ-39)		
		9270	3,4-Dichlorobiphenyl (BZ-12)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9269	3,4'-Dichlorobiphenyl (BZ-13)		
		9271	3,5-Dichlorobiphenyl (BZ-14)		
		9272	3-Chlorobiphenyl (BZ-2)		
		9273	4,4'-Dichlorobiphenyl (BZ-15)		
		9274	4-Chlorobiphenyl (BZ-3)		
		9105	Decachlorobiphenyl (BZ-209)		
		8876	Total Dichlorobiphenyls		
		8877	Total Heptachlorobiphenyls		
		8888	Total Hexachlorobiphenyls		
		8889	Total Monochlorobiphenyls		
		8891	Total Nonachlorobiphenyls		
		8892	Total Octachlorobiphenyls		
		8896	Total Pentachlorobiphenyls		
		8893	Total Tetrachlorobiphenyls		
		8894	Total Trichlorobiphenyls		
Solids					
	EPA 1668C			10262109	Chlorinated Biphenyl Cogeners in Water, Soil, Sediment, and Tissue by GC-HRMS
	EPA 1668C				
		9095	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ-206)		
		9090	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ-194)		
		9101	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ-207)		
		9103	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ-195)		
		9102	2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ-196)		
		9065	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ-170)		
		9104	2,2',3,3',4,4',6,6'-Octachlorobiphenyl (BZ-197)		
		9106	2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ-171)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9020	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ-128)		
		9107	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ-208)		
		9109	2,2',3,3',4,5,5',6-Octachlorobiphenyl (BZ-198)		
		9108	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (BZ-199)		
		9110	2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ-172)		
		9111	2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ-200)		
		9112	2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ-201)		
		9113	2,2',3,3',4,5,6-Heptachlorobiphenyl (BZ-173)		
		9116	2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ-174)		
		9115	2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ-175)		
		9114	2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ-177)		
		9118	2,2',3,3',4,5-Hexachlorobiphenyl (BZ-129)		
		9117	2,2',3,3',4,5'-Hexachlorobiphenyl (BZ-130)		
		9119	2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ-176)		
		9121	2,2',3,3',4,6-Hexachlorobiphenyl (BZ-131)		
		9120	2,2',3,3',4,6'-Hexachlorobiphenyl (BZ-132)		
		9122	2,2',3,3',4-Pentachlorobiphenyl (BZ-82)		
		9123	2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ-202)		
		9124	2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ-178)		
		9125	2,2',3,3',5,5'-Hexachlorobiphenyl (BZ-		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			133)		
		9126	2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ-179)		
		9128	2,2',3,3',5,6-Hexachlorobiphenyl (BZ-134)		
		9127	2,2',3,3',5,6'-Hexachlorobiphenyl (BZ-135)		
		9129	2,2',3,3',5-Pentachlorobiphenyl (BZ-83)		
		9130	2,2',3,3',6,6'-Hexachlorobiphenyl (BZ-136)		
		9131	2,2',3,3',6-Pentachlorobiphenyl (BZ-84)		
		9132	2,2',3,3'-Tetrachlorobiphenyl (BZ-40)		
		9133	2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ-203)		
		9134	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ-180)		
		9135	2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ-204)		
		9137	2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ-181)		
		9136	2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ-182)		
		9075	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ-183)		
		9138	2,2',3,4,4',5-Hexachlorobiphenyl (BZ-137)		
		9025	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ-138)		
		9139	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ-184)		
		9141	2,2',3,4,4',6-Hexachlorobiphenyl (BZ-139)		
		9140	2,2',3,4,4',6'-Hexachlorobiphenyl (BZ-140)		
		9142	2,2',3,4,4'-Pentachlorobiphenyl (BZ-85)		
		9143	2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ-185)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9080	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ-187)		
		9030	2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-141)		
		9144	2,2',3,4',5,5'-Hexachlorobiphenyl (BZ-146)		
		9145	2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-186)		
		9146	2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ-188)		
		9148	2,2',3,4,5,6-Hexachlorobiphenyl (BZ-142)		
		9152	2,2',3,4,5,6'-Hexachlorobiphenyl (BZ-143)		
		9150	2,2',3,4,5',6-Hexachlorobiphenyl (BZ-144)		
		9149	2,2',3,4',5,6-Hexachlorobiphenyl (BZ-147)		
		9147	2,2',3,4',5,6'-Hexachlorobiphenyl (BZ-148)		
		9151	2,2',3,4',5',6-Hexachlorobiphenyl (BZ-149)		
		9153	2,2',3,4,5-Pentachlorobiphenyl (BZ-86)		
		8975	2,2',3,4,5'-Pentachlorobiphenyl (BZ-87)		
		9155	2,2',3,4',5-Pentachlorobiphenyl (BZ-90)		
		9154	2,2',3,4',5'-Pentachlorobiphenyl (BZ-97)		
		9156	2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-145)		
		9157	2,2',3,4',6,6'-Hexachlorobiphenyl (BZ-150)		
		9158	2,2',3,4,6-Pentachlorobiphenyl (BZ-88)		
		9161	2,2',3,4,6'-Pentachlorobiphenyl (BZ-89)		
		9160	2,2',3,4',6-Pentachlorobiphenyl (BZ-91)		
		9159	2,2',3,4',6'-Pentachlorobiphenyl (BZ-98)		
		9163	2,2',3,4-Tetrachlorobiphenyl (BZ-41)		
		9162	2,2',3,4'-Tetrachlorobiphenyl (BZ-42)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9035	2,2',3,5,5',6-Hexachlorobiphenyl (BZ-151)		
		9164	2,2',3,5,5'-Pentachlorobiphenyl (BZ-92)		
		9165	2,2',3,5,6,6'-Hexachlorobiphenyl (BZ-152)		
		9168	2,2',3,5,6-Pentachlorobiphenyl (BZ-93)		
		9167	2,2',3,5,6'-Pentachlorobiphenyl (BZ-94)		
		9166	2,2',3,5',6-Pentachlorobiphenyl (BZ-95)		
		9169	2,2',3,5-Tetrachlorobiphenyl (BZ-43)		
		8945	2,2',3,5'-Tetrachlorobiphenyl (BZ-44)		
		9170	2,2',3,6,6'-Pentachlorobiphenyl (BZ-96)		
		9172	2,2',3,6-Tetrachlorobiphenyl (BZ-45)		
		9171	2,2',3,6'-Tetrachlorobiphenyl (BZ-46)		
		9173	2,2',3-Trichlorobiphenyl (BZ-16)		
		9040	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ-153)		
		9174	2,2',4,4',5,6'-Hexachlorobiphenyl (BZ-154)		
		9175	2,2',4,4',5-Pentachlorobiphenyl (BZ-99)		
		9176	2,2',4,4',6,6'-Hexachlorobiphenyl (BZ-155)		
		9177	2,2',4,4',6-Pentachlorobiphenyl (BZ-100)		
		9178	2,2',4,4'-Tetrachlorobiphenyl (BZ-47)		
		8980	2,2',4,5,5'-Pentachlorobiphenyl (BZ-101)		
		9180	2,2',4,5,6'-Pentachlorobiphenyl (BZ-102)		
		9179	2,2',4,5',6-Pentachlorobiphenyl (BZ-103)		
		9181	2,2',4,5-Tetrachlorobiphenyl (BZ-48)		
		8950	2,2',4,5'-Tetrachlorobiphenyl (BZ-49)		
		9182	2,2',4,6,6'-Pentachlorobiphenyl (BZ-104)		
		9184	2,2',4,6-Tetrachlorobiphenyl (BZ-50)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9183	2,2',4,6'-Tetrachlorobiphenyl (BZ-51)		
		9185	2,2',4-Trichlorobiphenyl (BZ-17)		
		8955	2,2',5,5'-Tetrachlorobiphenyl (BZ-52)		
		9186	2,2',5,6'-Tetrachlorobiphenyl (BZ-53)		
		8930	2,2',5-Trichlorobiphenyl (BZ-18)		
		9187	2,2',6,6'-Tetrachlorobiphenyl (BZ-54)		
		9188	2,2',6-Trichlorobiphenyl (BZ-19)		
		9189	2,2'-Dichlorobiphenyl (BZ-4)		
		9190	2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ-205)		
		9085	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ-189)		
		9191	2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-190)		
		9192	2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ-191)		
		9050	2,3,3',4,4',5-Hexachlorobiphenyl (BZ-156)		
		9045	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ-157)		
		9193	2,3,3',4,4',6-Hexachlorobiphenyl (BZ-158)		
		8985	2,3,3',4,4'-Pentachlorobiphenyl (BZ-105)		
		9194	2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ-192)		
		9195	2,3,3',4',5,5',6-Heptachlorobiphenyl (BZ-193)		
		9196	2,3,3',4,5,5'-Hexachlorobiphenyl (BZ-159)		
		9197	2,3,3',4',5,5'-Hexachlorobiphenyl (BZ-162)		
		9198	2,3,3',4,5,6-Hexachlorobiphenyl (BZ-160)		
		9199	2,3,3',4',5,6-Hexachlorobiphenyl (BZ-163)		
		9201	2,3,3',4',5',6-Hexachlorobiphenyl (BZ-		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			164)		
		9200	2,3,3',4,5',6-Hexachlorobiphenyl (BZ-161)		
		9204	2,3,3',4,5-Pentachlorobiphenyl (BZ-106)		
		9205	2,3,3',4',5-Pentachlorobiphenyl (BZ-107)		
		9203	2,3,3',4,5'-Pentachlorobiphenyl (BZ-108)		
		9202	2,3,3',4',5'-Pentachlorobiphenyl (BZ-122)		
		9206	2,3,3',4,6-Pentachlorobiphenyl (BZ-109)		
		8990	2,3,3',4',6-Pentachlorobiphenyl (BZ-110)		
		9208	2,3,3',4-Tetrachlorobiphenyl (BZ-55)		
		9207	2,3,3',4'-Tetrachlorobiphenyl (BZ-56)		
		9209	2,3,3',5,5',6-Hexachlorobiphenyl (BZ-165)		
		9210	2,3,3',5,5'-Pentachlorobiphenyl (BZ-111)		
		9211	2,3,3',5,6-Pentachlorobiphenyl (BZ-112)		
		9212	2,3,3',5',6-Pentachlorobiphenyl (BZ-113)		
		9214	2,3,3',5-Tetrachlorobiphenyl (BZ-57)		
		9213	2,3,3',5'-Tetrachlorobiphenyl (BZ-58)		
		9215	2,3,3',6-Tetrachlorobiphenyl (BZ-59)		
		9216	2,3,3'-Trichlorobiphenyl (BZ-20)		
		9055	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ-167)		
		9217	2,3,4,4',5,6-Hexachlorobiphenyl (BZ-166)		
		9218	2,3',4,4',5',6-Hexachlorobiphenyl (BZ-168)		
		9005	2,3,4,4',5-Pentachlorobiphenyl (BZ-114)		
		8995	2,3',4,4',5-Pentachlorobiphenyl (BZ-		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			118)		
		9000	2,3',4,4',5'-Pentachlorobiphenyl (BZ-123)		
		9219	2,3,4,4',6-Pentachlorobiphenyl (BZ-115)		
		9220	2,3',4,4',6-Pentachlorobiphenyl (BZ-119)		
		9221	2,3,4,4'-Tetrachlorobiphenyl (BZ-60)		
		8960	2,3',4,4'-Tetrachlorobiphenyl (BZ-66)		
		9223	2,3',4,5,5'-Pentachlorobiphenyl (BZ-120)		
		9222	2,3',4',5,5'-Pentachlorobiphenyl (BZ-124)		
		9225	2,3,4,5,6-Pentachlorobiphenyl (BZ-116)		
		9227	2,3,4',5,6-Pentachlorobiphenyl (BZ-117)		
		9226	2,3',4,5',6-Pentachlorobiphenyl (BZ-121)		
		9224	2,3',4',5',6-Pentachlorobiphenyl (BZ-125)		
		9228	2,3,4,5-Tetrachlorobiphenyl (BZ-61)		
		9233	2,3,4',5-Tetrachlorobiphenyl (BZ-63)		
		9231	2,3',4,5'-Tetrachlorobiphenyl (BZ-68)		
		9230	2,3',4',5-Tetrachlorobiphenyl (BZ-70)		
		9229	2,3',4',5'-Tetrachlorobiphenyl (BZ-76)		
		9232	2,3',4,5-Tetrachlorobiphenyl (BZ-67)		
		9234	2,3,4,6-Tetrachlorobiphenyl (BZ-62)		
		9236	2,3,4',6-Tetrachlorobiphenyl (BZ-64)		
		9235	2,3',4,6-Tetrachlorobiphenyl (BZ-69)		
		9237	2,3',4',6-Tetrachlorobiphenyl (BZ-71)		
		9238	2,3,4-Trichlorobiphenyl (BZ-21)		
		9241	2,3,4'-Trichlorobiphenyl (BZ-22)		
		9240	2,3',4-Trichlorobiphenyl (BZ-25)		
		9239	2,3',4'-Trichlorobiphenyl (BZ-33)		
		9242	2,3',5,5'-Tetrachlorobiphenyl (BZ-72)		
		9243	2,3,5,6-Tetrachlorobiphenyl (BZ-65)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9244	2,3',5',6-Tetrachlorobiphenyl (BZ-73)		
		9245	2,3,5-Trichlorobiphenyl (BZ-23)		
		8935	2,3',5-Trichlorobiphenyl (BZ-26)		
		9246	2,3',5'-Trichlorobiphenyl (BZ-34)		
		9247	2,3,6-Trichlorobiphenyl (BZ-24)		
		9248	2,3',6-Trichlorobiphenyl (BZ-27)		
		8920	2,3-Dichlorobiphenyl (BZ-5)		
		9249	2,3'-Dichlorobiphenyl (BZ-6)		
		9250	2,4,4',5-Tetrachlorobiphenyl (BZ-74)		
		9251	2,4,4',6-Tetrachlorobiphenyl (BZ-75)		
		9252	2,4,4'-Trichlorobiphenyl (BZ-28)		
		9253	2,4,5-Trichlorobiphenyl (BZ-29)		
		8940	2,4',5-Trichlorobiphenyl (BZ-31)		
		9254	2,4,6-Trichlorobiphenyl (BZ-30)		
		9255	2,4',6-Trichlorobiphenyl (BZ-32)		
		9257	2,4-Dichlorobiphenyl (BZ-7)		
		9256	2,4'-Dichlorobiphenyl (BZ-8)		
		9258	2,5-Dichlorobiphenyl (BZ-9)		
		9259	2,6-Dichlorobiphenyl (BZ-10)		
		8915	2-Chlorobiphenyl (BZ-1)		
		9060	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ-169)		
		9015	3,3',4,4',5-Pentachlorobiphenyl (BZ-126)		
		8965	3,3',4,4'-Tetrachlorobiphenyl (BZ-77)		
		9260	3,3',4,5,5'-Pentachlorobiphenyl (BZ-127)		
		9262	3,3',4,5-Tetrachlorobiphenyl (BZ-78)		
		9261	3,3',4,5'-Tetrachlorobiphenyl (BZ-79)		
		9263	3,3',4-Trichlorobiphenyl (BZ-35)		
		9264	3,3',5,5'-Tetrachlorobiphenyl (BZ-80)		
		9265	3,3',5-Trichlorobiphenyl (BZ-36)		
		8925	3,3'-Dichlorobiphenyl (BZ-11)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8970	3,4,4',5-Tetrachlorobiphenyl (BZ-81)		
		9266	3,4,4'-Trichlorobiphenyl (BZ-37)		
		9267	3,4,5-Trichlorobiphenyl (BZ-38)		
		9268	3,4',5-Trichlorobiphenyl (BZ-39)		
		9270	3,4-Dichlorobiphenyl (BZ-12)		
		9269	3,4'-Dichlorobiphenyl (BZ-13)		
		9271	3,5-Dichlorobiphenyl (BZ-14)		
		9272	3-Chlorobiphenyl (BZ-2)		
		9273	4,4'-Dichlorobiphenyl (BZ-15)		
		9274	4-Chlorobiphenyl (BZ-3)		
		9105	Decachlorobiphenyl (BZ-209)		
		8876	Total Dichlorobiphenyls		
		8877	Total Heptachlorobiphenyls		
		8888	Total Hexachlorobiphenyls		
		8889	Total Monochlorobiphenyls		
		8891	Total Nonachlorobiphenyls		
		8892	Total Octachlorobiphenyls		
		8896	Total Pentachlorobiphenyls		
		8893	Total Tetrachlorobiphenyls		
		8894	Total Trichlorobiphenyls		
	EPA 8290A			10187403	Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS
		9516	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		
		9519	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		
		9420	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)		
		9426	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)		
		9423	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)		
		9471	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)		

OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

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

ORELAP ID: 4049
EPA CODE: CA01612
Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9453	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)		
		9474	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)		
		9456	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)		
		9477	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)		
		9459	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)		
		9543	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)		
		9540	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)		
		9480	2,3,4,6,7,8-Hexachlorodibenzofuran		
		9549	2,3,4,7,8-Pentachlorodibenzofuran		
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
		9612	2,3,7,8-Tetrachlorodibenzofuran		
		9438	Hpcdd, total		
		9444	Hpcdf, total		
		9468	Hxcdd, total		
		9483	Hxcdf, total		
		9555	Pecdd, total		
		9552	Pecdf, total		
		9609	TCDD, total		
		9615	TCDF, total		

OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1
El Dorado Hills, CA 95762

ORELAP ID: 4049
EPA CODE: CA01612
Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Enthalpy Analytical, LLC

Orange

931 West Barkley Avenue

Orange, CA 92868

Phone: (714) 771-6900

Certificate No. **1338**

Expiration Date **10/31/2021** **INTERIM**

***As of 11/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.010	002	Heterotrophic Bacteria	SimPlate
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.020	006	E. coli (Enumeration)	SM 9221 B, F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.050	001	Cyanide, Total	EPA 335.4
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.192	001	Cyanide, Amenable	SM 4500-CN G-1999
102.200	001	Fluoride	SM 4500-F C-1997
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.242	001	Silica	SM 4500-SiO2 C-1997
102.243	001	Silica	SM 4500-SiO2 D-1997
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium VI (Hexavalent Chromium)	EPA 218.6
103.311	001	Chromium VI (Hexavalent Chromium)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2-Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2-Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3-Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3-Dichloropropene)	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.001	003	E. coli (Enumeration)	SM 9221 C, F-2006
107.005	001	E. coli (Enumeration)	SM 9223 B-2004
107.007	001	Enterococci	SM 9230 B-2007
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.011	001	Enterococci	SM 9230 D-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.047	001	Phenols, Total	EPA 420.1 (1978 Rev. 1.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.061	001	Acidity	SM 2310 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.139	001	Ammonia (as N)	SM 4500-NH3 C-2011
108.139	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 C-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.147	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 G-2011
108.159	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2011
108.159	002	Nitrite (as N)	SM 4500-NO3 F-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011

Subgroup Code	Analyte Code	Analyte	Method
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.184	001	Silica, Dissolved	SM 4500-SiO2 C-2011
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-Chloroisopropyl) ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	143	1,2-Diphenylhydrazine	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.160	151	2,4,5-Trichlorophenol	EPA 625.1

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A
114.106	001	Chromium VI (Hexavalent Chromium)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.221	001	Cyanide, Total	EPA 9012 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity	EPA 9040 B
114.241	001	Corrosivity	EPA 9045 C

Subgroup Code	Analyte Code	Analyte	Method
114.250	001	Fluoride	EPA 9056
114.270	001	Fluoride	EPA 9214

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.030	001	Gasoline Range Organics (GRO)	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel Range Organics (DRO)	EPA 8015 B
117.016	001	Diesel Range Organics (DRO)	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.010	001	Ignitability	EPA 1010
120.022	001	Ignitability	EPA 1030
120.022	001	Ignitability	EPA 1030

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.003	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.003	003	E. coli (Enumeration)	SM 9221 C, F-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.009	001	Fecal Streptococci	SM 9230 B-2007
126.013	001	Enterococci	SM 9230 D-2007
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Eurofins Calscience, LLC

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of 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.: **2944**

Effective Date: **10/1/2020**

Expiration Date: **9/30/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

Eurofins Calscience, LLC

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 7148955494

Certificate Number: 2944
Expiration Date: 9/30/2022

Field of Accreditation:102 - Inorganic Chemistry of Drinking Water			
102.040	003	Chlorate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.264	001	Organic Carbon-Total (TOC)	SM 5310 D-2000
102.265	001	Dissolved Organic Carbon (DOC)	SM 5310 D-2000
Field of Accreditation:103 - Toxic Chemical Elements of Drinking Water			
103.140	019	Strontium	EPA 200.8
Field of Accreditation:104 - Volatile Organic Chemistry of Drinking Water			
104.030	001	1,2-Dibromoethane (EDB)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2

104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2

Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water

105.085	001	1,4-Dioxane	EPA 522

Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water

108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus,Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)

108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	007	Phosphate,Ortho (as P)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.035	001	Phosphate,Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus,Total	EPA 365.1 (1993 Rev. 2.0)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.047	001	Phenols, Total	EPA 420.1 (1978 Rev. 1.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.067	001	Hardness	SM 2340 C-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.109	001	Chlorine, Total Residual	SM 4500-Cl F-2011
108.117	001	Chloride	SM 4500-Chloride C-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.139	001	Ammonia (as N)	SM 4500-NH3 C-2011
108.139	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011
108.157	001	Nitrate-Nitrite (as N)	SM 4500-NO3 E-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus,Total	SM 4500-P E-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011

108.219	001	Organic Carbon-Total (TOC)	SM 5310 D-2011
108.225	001	Surfactants	SM 5540 C-2011

Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)

109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.693	001	Iron	SM 3500-Fe B-2011

Field of Accreditation: 110 - Volatile Organic Constituents in Non-Potable Water

110.020	001	Benzene	EPA 602
110.020	006	Ethylbenzene	EPA 602
110.020	007	Toluene	EPA 602
110.040	001	Acetone	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1

110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.070	001	Acenaphthene	EPA 610
111.070	002	Acenaphthylene	EPA 610
111.070	003	Anthracene	EPA 610
111.070	004	Benzo(a)anthracene	EPA 610
111.070	005	Benzo(a)pyrene	EPA 610
111.070	006	Benzo(b)fluoranthene	EPA 610

111.070	007	Benzo(g,h,i)perylene	EPA 610
111.070	008	Benzo(k)fluoranthene	EPA 610
111.070	009	Chrysene	EPA 610
111.070	010	Dibenz(a,h)anthracene	EPA 610
111.070	011	Fluoranthene	EPA 610
111.070	012	Fluorene	EPA 610
111.070	013	Indeno(1,2,3-c,d)pyrene	EPA 610
111.070	014	Naphthalene	EPA 610
111.070	015	Phenanthrene	EPA 610
111.070	016	Pyrene	EPA 610
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1

111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	140	Carbazole	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	143	1,2-Diphenylhydrazine	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.260	041	N-nitrosodimethylamine	EPA 1625 B

Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B

114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A	
114.106	001	Chromium VI (Hexavalent Chromium)	EPA 7199	
114.140	001	Mercury	EPA 7470 A	Aqueous Only
114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	
114.280	001	Organic Lead	HML 939-M	

Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	
115.021	001	TCLP Inorganics	EPA 1311	
115.022	001	TCLP Extractables	EPA 1311	
115.023	001	TCLP Volatiles	EPA 1311	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appe	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	

Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste

116.020	030	Nonhalogenated Volatiles	EPA 8015 B	
116.030	001	Gasoline Range Organics (GRO)	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	061	Aromatic Volatiles	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	
116.080	120	Oxygenates	EPA 8260 B	
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS	
116.100	010	BTEX and MTBE	LUFT GC/MS	

116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel Range Organics (DRO)	EPA 8015 B
117.016	001	Diesel Range Organics (DRO)	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.170	000	Nitroaromatics and Nitramines	EPA 8330
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Accreditation:120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Fruit Growers Laboratory, Inc.

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Phone: (805) 392-2000

Certificate No. **1573**

Expiration Date **7/31/2021**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	002	Fecal Coliform P/A	SM 9221 B, E
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1

Subgroup Code	Analyte Code	Analyte	Method
105.175	004	Dibromochloromethane (Chlorodibromomethane)	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.050	002	Radium-226	EPA 903.0
106.080	001	Tritium	EPA 906.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C, E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus, Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.267	001	Phosphorus, Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus, Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.020	001	Total Alpha Radium	EPA 903.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	002	Arsenic	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	012	Selenium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	014	Thallium	EPA 6020
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.210	000	Organochlorine Pesticides	EPA 8081 A Aqueous Only
117.220	000	PCBs	EPA 8082 Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A Aqueous Only

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649

Phone: (714) 828-4999

Certificate No. **1406**

Expiration Date **1/31/2022**

***As of 2/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.070	001	Corrosivity – pH Determination	EPA 9040 B
120.080	001	Corrosivity – pH Determination	EPA 9045 C

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA
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

North Coast Laboratories, Ltd.

5680 West End Road

Arcata, CA 95521

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.: **1247**

Effective Date: **8/1/2020**

Expiration Date: **7/31/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

North Coast Laboratories, Ltd.

5680 West End Road
Arcata, CA 95521
Phone: 7078224649

Certificate Number: 1247
Expiration Date: 7/31/2022

Field of Accreditation: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
Field of Accreditation: 102 - Inorganic Chemistry of Drinking Water			
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000
Field of Accreditation: 103 - Toxic Chemical Elements of Drinking Water			
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7

103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Accreditation:104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2

104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2

Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505

105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	001	Aldicarb (Temik)	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl (Sevin)	EPA 531.1
105.100	005	Carbofuran (Furadan)	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl (Lannate)	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2

Field of Accreditation: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006

107.005	001	E. coli (Enumeration)	SM 9223 B-2004

Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water

108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.053	002	Oil & Grease Total	EPA 1664 B
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.140	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 D-2011
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus,Total	SM 4500-P E-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011
108.225	001	Surfactants	SM 5540 C-2011
108.325	001	Chemical Oxygen Demand	Hach 8000

Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)

109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.687	001	Chromium VI (Hexavalent Chromium)	SM 3500-Cr C-2011

Field of Accreditation:110 - Volatile Organic Constituents in Non-Potable Water

110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1

110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1

Field of Accreditation:111 - Semi-volatile Organic Constituents in Non-Potable Water

111.030	002	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 606
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3

111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3
111.055	038	Chlorothalonil	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.120	001	2,4-D	EPA 615
111.120	002	2,4-DB	EPA 615
111.120	003	Dicamba	EPA 615
111.120	004	Dichloroprop	EPA 615
111.120	005	Dinoseb	EPA 615
111.120	008	2,4,5-T	EPA 615
111.120	009	2,4,5-TP (Silvex)	EPA 615
111.190	008	Ziram (Zinc Dimethyldithiocarbamate)	EPA 630
111.210	002	Barban	EPA 632
111.210	003	Carbaryl (Sevin)	EPA 632
111.210	004	Carbofuran (Furadan)	EPA 632
111.210	005	Chloropropham	EPA 632
111.210	006	Diuron	EPA 632
111.210	007	Fenuron	EPA 632
111.210	009	Linuron	EPA 632
111.210	010	Methiocarb (Mesurol)	EPA 632
111.210	011	Methomyl (Lannate)	EPA 632
111.210	013	Monuron	EPA 632
111.210	015	Neburon	EPA 632
111.210	016	Propham	EPA 632
111.210	017	Propoxur (Baygon)	EPA 632
111.210	018	Siduron	EPA 632
111.210	019	Swep	EPA 632

Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B

114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appe

Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste

116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel Range Organics (DRO)	EPA 8015 B
117.016	001	Diesel Range Organics (DRO)	LUFT
117.150	000	Carbonyl Compounds	EPA 8315 A

117.210	000	Organochlorine Pesticides	EPA 8081 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.280	000	Carbamates	EPA 8321 A

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

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: **5/31/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Weck Laboratories, Inc.

14859 East Clark Avenue
City of Industry, CA 91745
Phone: 6263362139

Certificate No. **1132**
Expiration Date **3/31/2022**

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1

102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.048	001	Perchlorate	EPA 332.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8

103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.4

104.058	008	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethylene (Trichloroethene)	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508

105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.050	000	Organochlorine Pesticides	EPA 508.1
105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1
105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016	EPA 508.1
105.050	022	PCB-1221	EPA 508.1
105.050	023	PCB-1232	EPA 508.1
105.050	024	PCB-1242	EPA 508.1
105.050	025	PCB-1248	EPA 508.1
105.050	026	PCB-1254	EPA 508.1
105.050	027	PCB-1260	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2

105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	031	Disinfection Byproducts	EPA 551.1
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3
105.210	002	2,4-D	EPA 555
105.210	004	Dinoseb	EPA 555
105.210	005	Pentachlorophenol	EPA 555
105.210	006	Picloram	EPA 555
105.210	007	2,4,5-TP (Silvex)	EPA 555
105.210	008	Bentazon	EPA 555
105.215	001	Haloacetic Acids (HAA5)	EPA 557
105.215	002	Dalapon	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screenin	EPA 1613 B

Field of Testing: 106 - Radionuclides in Drinking Water

106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006

107.001	003	E. coli (Enumeration)	SM 9221 C,F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18
107.017	001	Enterococci	Enterolert

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus,Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.019	001	Bromide	EPA 300.1 (1997 Rev.1.0)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.035	001	Phosphate,Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus,Total	EPA 365.1 (1993 Rev. 2.0)
108.037	001	Phosphate,Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus,Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.049	001	Phenols, Total	EPA 420.4 (1993 Rev. 2.0)
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011

108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)

109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.657	001	Mercury	EPA 1631 E (2002)

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1

110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.070	002	n-Amyl Acetate	EPA 1666
110.070	004	n-Butyl Acetate	EPA 1666
110.070	005	tert-Butyl Alcohol (TBA)	EPA 1666
110.070	006	Diethylamine	EPA 1666
110.070	007	Dimethyl Sulfoxide	EPA 1666
110.070	009	Ethyl Acetate	EPA 1666
110.070	010	n-Heptane	EPA 1666
110.070	011	n-Hexane	EPA 1666
110.070	012	Isobutyraldehyde	EPA 1666
110.070	013	Isopropyl Acetate	EPA 1666
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666
110.070	015	Isopropyl Ether (DIPE)	EPA 1666
110.070	017	2-Methoxyethanol	EPA 1666
110.070	018	Methyl Formate	EPA 1666
110.070	019	4-Methyl-2-pentanone (MIBK)	EPA 1666
110.070	021	Tetrahydrofuran	EPA 1666
110.070	022	Triethylamine	EPA 1666
110.070	023	m-Xylene	EPA 1666

110.070	024	o-Xylene	EPA 1666
110.070	025	p-Xylene	EPA 1666

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	050	Pentachloronitrobenzene (PCNB)	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1

111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.210	006	Diuron	EPA 632
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitrosodi-n-propylamine	EPA 1625 B
111.260	043	N-nitrosodiphenylamine	EPA 1625 B

111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEt	DoD QSM Version 5.1 (or newer)
111.345	002	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	003	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	004	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	005	N-Methylperfluorooctane Sulfonamido Acetic Acid (N	DoD QSM Version 5.1 (or newer)
111.345	006	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)
111.345	007	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)
111.345	008	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)
111.345	009	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)
111.345	010	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)
111.345	011	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)
111.345	012	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)
111.345	013	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)
111.345	014	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)
111.345	015	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)
111.345	016	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)
111.345	017	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)
111.345	018	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	019	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)
111.345	020	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)
111.345	021	Perfluorotetradecanoic Acid (PFTA)	DoD QSM Version 5.1 (or newer)
111.345	022	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)
111.345	023	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)
111.345	024	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)
111.345	025	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)
111.345	026	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)
111.345	027	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	028	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOS	DoD QSM Version 5.1 (or newer)
111.345	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)
111.345	031	N-Methylperfluorooctane Sulfonamide (MeFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	032	N-Methylperfluorooctane Sulfonamido Ethanol (MeF	DoD QSM Version 5.1 (or newer)
111.345	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)

Field of Testing: 112 - Radionuclides in Non-Potable Water

112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B

114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	030	Nonhalogenated Volatiles	EPA 8015 B

116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiological Methods for Ambient Water

126.003	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert