INTEGRATED
PERFORMANCE
CONSULTANTS

April 30th, 2021

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

Attention: Information Technology Unit

Malibu Civic Center WTP — WDR: R4-2015-0051
2021 1st Quarter Monitoring Report — MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter.

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

SUMMARY OF NON-COMPLIANCE

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

INFLUENT & EFFLUENT MONITORING

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

WASTE HAULING

35,000 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 30th day of April, 2021, at Irvine, CA.

Sincerely,

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

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

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY												MONTHLY						
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1				10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40								15							
Limit 3															240	med			45		45															
01/01/2021	Fri	33.2			32.2	0.0	8.2	24.0	0.0	0.03	0.20	0.00	73.0	195.7	7.4	1.79	1.79	1.79	0.049																			
01/02/2021	Sat	38.8			43.6	0.0	15.9	27.7	0.0	0.03	0.49	1.32	72.2	188.4	7.4	1.79	1.79	1.79	0.049																			
01/03/2021	Sun	38.5			28.1	0.0	9.1	19.0	0.0	0.03	0.21	0.05	72.7	180.6	7.4	1.79	1.79	1.79	0.049																			
01/04/2021	Mon	38.0			24.4	0.0	9.7	14.7	0.0	0.03	0.19	0.00	73.5	183.9	7.5	1.79	1.79	1.79	0.049																4.9	1.9	744	112	195	0.26	0.14
01/05/2021	Tue	37.9	160	390	42.6	0.0	14.9	27.7	0.0	0.03	0.03	0.00	72.5	185.8	7.6	1.79	1.79	1.79	0.049																			
01/06/2021	Wed	47.7			34.2	0.0	5.7	28.5	0.0	0.03	0.03	0.00	71.6	187.5	7.5	1.79	1.79	1.79	0.049	2.0	99.5	0.9	99.4	0.1	0.0	0.05	0.09	0.14	0.05	0.24								
01/07/2021	Thu	36.3			35.2	0.0	4.5	30.7	0.0	0.03	0.17	0.00	71.6	176.2	7.7	1.79	1.79	1.79	0.060																			
01/08/2021	Fri	36.2			46.7	0.0	4.9	41.8	0.0	0.03	0.03	0.00	70.0	174.4	7.0	1.79	1.79	1.79	0.049																			
01/09/2021	Sat	38.4			36.5	0.0	11.2	25.3	0.0	0.03	0.31	0.20	72.7	200.0	7.5	1.79	1.79	1.79	0.049																			
01/10/2021	Sun	39.6			36.4	0.0	4.8	31.6	0.0	0.03	0.03	0.00	73.3	200.0	7.4	1.79	1.79	1.79	0.050																			
01/11/2021	Mon	35.4			39.5	0.0	4.7	34.8	0.0	0.03	0.16	0.00	71.4	188.3	7.0	1.79	1.79	1.79	0.060																			
01/12/2021	Tue	36.1			42.4	0.0	15.0	27.4	0.0	0.03	0.32	2.09	68.3	166.7	7.6	1.79	1.79	1.79	0.049	3.0	100.0	0.9	100.0	0.2	0.0	0.14	0.09	0.89	0.80	1.08								
01/13/2021	Wed	48.1	260	446	32.0	0.0	10.3	21.7	0.0	0.03	0.44	0.25	72.9	187.4	6.8	1.79	1.79	1.79	0.049																			
01/14/2021	Thu	36.5			37.9	0.0	4.8	33.1	0.0	0.03	0.03	0.00	76.9	194.6	6.8	1.79	1.79	1.79	0.049																			
01/15/2021	Fri	35.9			31.4	0.0	4.8	26.6	0.0	0.03	0.43	0.82	72.8	199.7	7.7	1.79	1.79	1.79	0.120																			
01/16/2021	Sat	40.6			41.2	0.0	15.0	26.2	0.0	0.03	0.35	0.20	73.4	185.0	7.4	1.79	1.79	1.79	0.110																			
01/17/2021	Sun	42.1			36.1	0.0	19.9	16.2	0.0	0.03	0.48	1.99	73.7	157.6	7.8	1.79	1.79	1.79	0.200																			
01/18/2021	Mon	40.8			37.9	0.0	4.4	33.5	0.0	0.03	0.50	2.70	72.5	167.3	7.7	1.79	1.79	1.79	0.049																			
01/19/2021	Tue	45.7			49.0	0.0	15.8	33.2	0.0	0.03	0.50	1.22	73.2	186.9	7.8	1.79	1.79	1.79	0.260																			
01/20/2021	Wed	35.5	328	410	40.7	0.0	16.3	24.4	0.0	0.03	0.30	0.46	71.5	169.5	7.7	1.79	1.79	1.79	0.080																			
01/21/2021	Thu	44.5			49.4	0.0	18.0	31.4	0.0	0.03	0.50	3.21	69.6	153.4	7.3	1.79	1.79	1.79	0.200	2.0	99.5	0.9	99.7	0.3	0.2	0.08	11.30	16.10	4.80	16.37								
01/22/2021	Fri	33.0			37.4	0.0	1,2	37.4	0.0	0.03	0.19	0.00	67.8	172.4	7.6	1.79	1.79	1.79	0.230																			
01/23/2021	Sat	35.7			34.0	0.0	1.1	32.9	0.0	0.07	0.49	2.45	67.3	185.8	7.6	1.79	1.79	1.79	0.049																			
01/24/2021	Sun	37.7			36.5	0.0	1.1	35.4	0.0	0.05	0.45	2.24	66.2	174.1	7.3	1.79	1.79	1.79	0.049																			
01/25/2021	Mon	34.0			41.1	0.0	1.0	40.1	0.0	0.03	0.34	0.97	70.3	188.9	7.6	1.79	1.79	1.79	0.049																			
01/26/2021	Tue	33.2			35.3	0.0	6.2	29.1	0.0	0.03	0.03	0.00	72.5	199.1	7.8	1.79	1.79	1.79	0.049																			
01/27/2021	Wed	32.6	191	330	30.9	0.0	1.0	29.9	0.0	0.03	0.47	1.63	72.5	198.9	7.3	1.79	1.79	1.79	0.100	3.0	100.0	0.9	100.0	0.4	0.3	0.10	10.50	13.70	3.20	14.06							
01/28/2021	Thu	44.5			37.1	0.0	1.1	36.0	0.0	0.03	0.50	1.99	72.5	181.8	7.5	1.79	1.79	1.79	0.049																			
01/29/2021	Fri	43.3			56.6	0.0	1.0	55.6	0.0	0.03	0.12	0.00	73.5	181.1	6.8	1.79	1.79	1.79	0.049																			
01/30/2021	Sat	46.1			42.1	0.0	0.9	41.2	0.0	0.03	0.49	1.17	73.5	199.6	7.6	1.79	1.79	1.79	0.049																			
01/31/2021	Sun	43.8			45.5	0.0	1.1	44.4	0.0	0.03	0.49	0.20	72.5	199.0	7.7	1.79	1.79	1.79	0.049																			
TOTAL	1,210			1,193.8	0.0	232.4	961.4	0.0																													
MAX	48.1	328	446	56.6	0.0	19.9	55.6	0.0	0.07	0.50	3.21	76.9	200.0	7.8	1.79	1.79	1.79	0.260	3.0	100.0	0.9	100.0	0.4	0.3	0.14	11.30	16.10	4.80	16.37	4.9	1.9	744	112	195	0.26	0.14
AVG	39.0	235	394	38.5	0.0	7.7	31.0	0.0	0.03	0.30	0.81	71.9	184.2	7.4	1.79	1.79	1.79	0.079	2.5	99.7	0.9	99.8	0.2	0.1	0.09	5.50	7.71	2.21	7.94	4.9	1.9	744	112	195	0.26	0.14
MIN	32.6	160	330	24.4	0.0	0.9	14.7	0.0	0.03	0.03	0.00	66.2	153.4	6.8	1.79	1.79	1.79	0.049	2.0	99.5	0.9	99.4	0.1	0.0	0.05	0.09	0.14	0.05	0.24	4.9	1.9	744	112	195	0.26	0.14

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

	INFLUENT			EFFLUENT																																	
	DAILY	WEEKLY		DAILY																WEEKLY											MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5
Limit 2														8.5	23	7 day			30		40									15							
Limit 3															240	med			45		45																
02/01/2021	Mon	41.1			43.4	0.0	2.7	40.7	0.0	0.03	0.03	0.00	71.7	191.4	7.2	1.79	1.79	1.79	0.049											4.9	1.5	700	111	177	0.25	0.29
02/02/2021	Tue	40.9			42.2	0.0	2.2	40.0	0.0	0.03	0.49	2.24	73.3	187.6	6.8	1.79	1.79	1.79	0.049																		
02/03/2021	Wed	39.4	268	347	43.0	0.0	1.8	41.2	0.0	0.03	0.37	0.97	74.8	193.3	7.1	1.79	1.79	1.79	0.049	2.0	100.0	0.9	100.0	0.6	0.5	0.05	2.16	2.67	0.51	3.23							
02/04/2021	Thu	48.4			36.5	0.0	1.8	34.7	0.0	0.03	0.50	1.68	74.0	145.2	7.1	1.79	1.79	1.79	0.110																		
02/05/2021	Fri	42.9			47.5	0.0	1.5	46.0	0.0	0.03	0.46	1.58	74.0	165.2	7.2	1.79	1.79	1.79	0.150																		
02/06/2021	Sat	50.7			46.4	0.0	1.4	45.0	0.0	0.03	0.50	1.83	75.8	196.6	7.5	1.79	1.79	1.79	0.049																		
02/07/2021	Sun	43.7			48.4	0.0	1.4	47.0	0.0	0.03	0.03	0.00	76.5	198.9	7.6	1.79	1.79	1.79	0.049																		
02/08/2021	Mon	36.0			44.2	0.0	1.3	42.9	0.0	0.03	0.03	0.00	76.8	192.4	6.9	1.79	1.79	1.79	0.049																		
02/09/2021	Tue	38.8			39.0	0.0	2.4	36.6	0.0	0.03	0.04	0.00	75.8	184.6	6.8	1.79	1.79	1.79	0.049																		
02/10/2021	Wed	41.9			34.3	0.0	1.4	32.9	0.0	0.03	0.03	0.00	75.4	173.4	7.0	1.79	1.79	1.79	0.049	4.0	100.0	0.9	100.0	0.5	0.4	0.08	0.09	0.90	0.81	1.41							
02/11/2021	Thu	47.6	232	380	41.4	0.0	1.4	40.0	0.0	0.03	0.50	1.22	75.9	167.9	7.0	1.79	1.79	1.79	0.049																		
02/12/2021	Fri	2.0			44.1	0.0	1.7	42.4	0.0	0.03	0.03	0.00	76.1	176.8	7.3	1.79	1.79	1.79	0.049																		
02/13/2021	Sat	47.8			39.2	0.0	5.9	33.3	0.0	0.03	0.50	1.63	75.6	199.7	7.7	1.79	1.79	1.79	0.049																		
02/14/2021	Sun	48.1			51.8	0.0	1.3	50.5	0.0	0.03	0.28	0.10	75.2	194.5	7.8	1.79	1.79	1.79	0.049																		
02/15/2021	Mon	45.3			38.6	0.0	0.6	38.0	0.0	0.03	0.19	0.00	74.6	195.0	7.7	1.79	1.79	1.79	0.049																		
02/16/2021	Tue	41.5	313	414	45.1	0.0	12.0	33.1	0.0	0.03	0.23	0.01	76.0	198.2	6.6	1.79	1.79	1.79	0.049																		
02/17/2021	Wed	40.0			35.5	0.0	0.5	35.0	0.0	0.07	0.19	0.00	77.2	199.7	7.1	1.79	1.79	1.79	0.049	3.0	99.3	0.9	99.7	1.4	1.4	0.05	0.09	0.71	0.62	2.12							
02/18/2021	Thu	50.6			48.2	0.0	0.5	47.7	0.0	0.03	0.03	0.00	77.9	199.7	6.8	1.79	1.79	1.79	0.049																		
02/19/2021	Fri	37.9			46.8	0.0	0.7	46.1	0.0	0.03	0.05	0.00	77.8	199.8	7.4	1.79	1.79	1.79	0.049																		
02/20/2021	Sat	43.5			51.6	0.0	17.6	34.0	0.0	0.03	0.15	0.00	77.6	199.8	7.6	1.79	1.79	1.79	0.049																		
02/21/2021	Sun	46.8			31.1	0.0	9.7	21.4	0.0	0.04	0.17	0.00	77.0	199.8	7.6	1.79	1.79	1.79	0.049																		
02/22/2021	Mon	41.4			44.0	0.0	0.5	43.5	0.0	0.03	0.24	0.00	77.7	182.2	7.0	1.79	1.79	1.79	0.049																		
02/23/2021	Tue	43.0	267	460	49.4	0.0	17.5	31.9	0.0	0.03	0.19	0.00	76.9	177.7	7.4	1.79	1.79	1.79	0.049																		
02/24/2021	Wed	42.1			29.5	0.0	19.9	9.7	0.0	0.04	0.22	0.01	77.4	174.3	7.4	1.79	1.79	1.79	0.049	4.0	99.1	0.9	99.7	0.6	0.6	0.06	0.52	0.52	0.00	1.15							
02/25/2021	Thu	48.6			41.2	0.0	0.6	40.5	0.0	0.03	0.03	0.00	77.5	170.0	7.4	1.79	1.79	1.79	0.049																		
02/26/2021	Fri	45.6			44.0	0.0	0.4	43.6	0.0	0.03	0.03	0.00	77.8	190.1	7.8	1.79	1.79	1.79	0.049																		
02/27/2021	Sat	49.6			52.1	0.0	17.9	34.3	0.0	0.03	0.03	0.00	77.8	199.7	7.3	1.79	1.79	1.79	0.049																		
02/28/2021	Sun	47.3			39.0	0.0	20.6	18.4	0.0	0.03	0.21	0.00	77.9	199.7	7.1	1.79	1.79	1.79	0.049																		
TOTAL	1,193			1,197	0	147	1,050.3	0.0																													
MAX	50.7	313	460	52	0	21	50.5	0.0	0.07	0.50	2.24	77.9	199.8	7.8	1.79	1.79	1.79	0.150	4.0	100.0	0.9	100.0	1.4	1.4	0.08	2.16	2.67	0.81	3.23	4.9	1.5	700	111	177	0.25	0.29
AVG	42.6	270	400	43	0	5	37.5	0.0	0.03	0.21	0.40	76.1	187.6	7.3	1.79	1.79	1.79	0.055	3.3	99.6	0.9	99.8	0.8	0.7	0.06	0.72	1.20	0.49	1.98	4.9	1.5	700	111	177	0.25	0.29
MIN	2.0	232	347	29.5	0.0	0.4	9.7	0.0	0.03	0.03	0.00	71.7	145.2	6.6	1.79	1.79	1.79	0.049	2.0	99.1	0.9	99.7	0.5	0.4	0.05	0.09	0.52	0.00	1.15	4.9	1.5	700	111	177	0.25	0.29

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

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY															WEEKLY											MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		kgal	mg/L	mg/L	kgal	kgal	kgal	kgal	kgal	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1				10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
03/01/2021	Mon	51.2	245	410	50.8	0.0	18.1	32.7	0.0	0.03	0.12	0.00	78.4	181.4	7.6	1.79	1.79	1.79	0.049																			
03/02/2021	Tue	39.9			31.6	0.0	28.9	2.7	0.0	0.03	0.18	0.01	78.9	196.5	7.6	1.79	1.79	1.79	0.049	5.0	98.8	0.9	99.6	1.5	1.5	0.06	0.09	1.70	1.61	3.23							
03/03/2021	Wed	45.2			47.3	0.0	0.3	47.0	0.0	0.04	0.24	0.00	77.4	196.8	7.6	1.79	1.79	1.79	0.049																			
03/04/2021	Thu	56.5			44.3	0.0	0.6	43.7	0.0	0.03	0.20	0.00	76.8	190.4	7.6	1.79	1.79	1.79	0.049																			
03/05/2021	Fri	50.4			57.3	0.0	17.8	39.5	0.0	0.04	0.03	0.00	78.1	179.0	7.4	1.79	1.79	1.79	0.049																			
03/06/2021	Sat	48.1			37.0	0.0	19.9	17.1	0.0	0.05	0.03	0.01	78.6	178.0	7.5	1.79	1.79	7.79	0.049																			
03/07/2021	Sun	43.8			47.3	0.0	0.7	46.5	0.0	0.04	0.03	0.00	78.9	182.6	7.4	1.79	1.79	1.79	0.049																			
03/08/2021	Mon	44.4	281	455	41.3	0.0	0.4	40.9	0.0	0.03	0.03	0.00	79.1	199.4	7.5	1.79	1.79	1.79	0.049																			
03/09/2021	Tue	49.4			52.2	0.0	0.4	51.8	0.0	0.03	0.18	0.00	78.2	190.8	7.4	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.7	1.6	1.6	0.05	0.09	1.01	0.92	2.64							
03/10/2021	Wed	38.1			46.9	0.0	10.8	36.1	0.0	0.03	0.03	0.00	77.9	174.8	7.9	1.79	1.79	1.79	0.049																			
03/11/2021	Thu	41.2			35.2	0.0	0.3	35.0	0.0	0.03	0.03	0.00	77.6	174.5	7.7	1.79	1.79	1.79	0.049																			
03/12/2021	Fri	46.0			33.3	0.0	0.3	33.1	0.0	0.03	0.03	0.00	78.7	181.2	7.4	1.79	1.79	1.79	0.049																			
03/13/2021	Sat	43.0			49.6	0.0	0.3	49.4	0.0	0.03	0.03	0.00	77.8	199.1	6.9	1.79	1.79	1.79	0.049																			
03/14/2021	Sun	39.4			57.1	0.0	22.2	34.9	0.0	0.03	0.03	0.00	77.5	197.9	7.6	1.79	1.79	1.79	0.049																			
03/15/2021	Mon	42.2	296	424	27.3	0.0	1.4	25.9	0.0	0.03	0.03	0.00	76.7	199.0	7.9	1.79	1.79	1.79	0.049																			
03/16/2021	Tue	42.0			39.0	0.0	0.3	38.8	0.0	0.03	0.03	0.00	76.2	198.5	7.1	1.79	1.79	1.79	0.049	1.9	99.6	2.0	99.3	2.0	1.9	0.05	0.48	1.31	0.92	2.64							
03/17/2021	Wed	41.0			44.9	0.0	21.7	23.2	0.0	0.03	0.03	0.00	76.2	198.6	7.0	1.79	1.79	1.79	0.049																			
03/18/2021	Thu	46.7			27.4	0.0	5.7	21.8	0.0	0.03	0.03	0.00	76.1	199.3	7.8	1.79	1.79	1.79	0.049																			
03/19/2021	Fri	50.2			43.9	0.0	0.3	43.7	0.0	0.03	0.03	0.00	76.9	199.8	7.3	1.79	1.79	1.79	0.049																			
03/20/2021	Sat	50.2			46.7	0.0	0.3	46.5	0.0	0.03	0.03	0.00	77.3	199.8	7.6	1.79	1.79	1.79	0.049																			
03/21/2021	Sun	43.7			54.8	0.0	17.4	37.4	0.0	0.03	0.03	0.00	77.5	199.8	7.4	1.79	1.79	1.79	0.049																			
03/22/2021	Mon	45.2	186	445	31.1	0.0	14.8	16.3	0.0	0.03	0.03	0.00	76.8	199.8	7.4	1.79	1.79	1.79	0.049																			
03/23/2021	Tue	42.7			48.6	0.0	17.6	31.0	0.0	0.03	0.03	0.00	75.9	199.8	7.7	1.79	1.79	1.79	0.049	2.0	99.6	0.9	99.5	1.1	1.1	0.05	0.09	1.51	0.92	2.64							
03/24/2021	Wed	44.7			30.4	0.0	20.1	10.2	0.0	0.03	0.03	0.00	74.9	199.8	7.5	1.79	1.79	1.79	0.049																			
03/25/2021	Thu	47.0			44.8	0.0	0.3	44.5	0.0	0.03	0.03	0.00	74.6	199.8	7.4	1.79	1.79	1.79	0.049																			
03/26/2021	Fri	47.2			41.3	0.0	0.3	41.1	0.0	0.03	0.03	0.00	74.5	199.8	7.4	1.79	1.79	1.79	0.049																			
03/27/2021	Sat	49.7			56.4	0.0	17.6	38.8	0.0	0.03	0.03	0.00	74.9	199.8	7.6	1.79	1.79	1.79	0.050																			
03/28/2021	Sun	45.0			33.6	0.0	24.0	9.6	0.0	0.03	0.19	0.00	75.6	199.0	7.7	1.79	1.79	1.79	0.049																			
03/29/2021	Mon	44.7	597	619	42.1	0.0	0.6	41.6	0.0	0.03	0.03	0.00	75.6	199.8	7.8	1.79	1.79	1.79	0.060																			
03/30/2021	Tue	50.9			50.6	0.0	17.9	32.7	0.0	0.03	0.03	0.00	75.4	199.6	7.6	1.79	1.79	1.79	0.049	6.0	99.0	0.9	99.8	0.6	0.5	0.05	0.09	0.94	0.92	2.64							
03/31/2021	Wed	65.8			48.8	0.0	25.6	23.2	0.0	0.04	0.03	0.00	76.4	192.9	7.5	1.79	1.79	1.79	0.060																			
TOTAL		1,435.5			1,343.1	0.0	306.7	1,036.4	0.0																													
MAX		65.8	597	619	57.3	0.0	28.9	51.8	0.0	0.05	0.24	0.01	79.1	199.8	7.9	1.79	1.79	7.79	0.060	6.0	99.6	2.0	99.8	2.0	1.9	0.06	0.48	1.70	1.61	3.23	0.0	0.0	0	0	0	0.00	0.00
AVG		46.3	321	471	43.3	0.0	9.9	33.4	0.0	0.03	0.06	0.00	77.0	193.8	7.5	1.79	1.79	1.98	0.050	3.4	99.3	1.1	99.6	1.4	1.3	0.05	0.17	1.29	1.06	2.76	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
MIN		38.1	186	410	27.3	0.0	0.3	2.7	0.0	0.03	0.03	0.00	74.5	174.5	6.9	1.79	1.79	1.79	0.049	1.9	98.8	0.9	99.3	0.6	0.5	0.05	0.09	0.94	0.92	2.64	0.0	0.0	0	0	0	0.00	0.00

ATTACHMENT B: QUARTERLY EFF

			>> DATE >>	1/7						
	MCL	Units	Q1	Q2	Q3	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals										
Aluminum	1	mg/L	0.02					0.02	0.02	0.02
Antimony	0.006	mg/L	0.0009					0.0009	0.0009	0.0009
Arsenic	0.01	mg/L	0.0011					0.0011	0.0011	0.0011
Asbestos	7	MFL	0					0	0	0
Barium	1	mg/L	0.013					0.013	0.013	0.013
Beryllium	0.004	mg/L	0.00019					0.00019	0.00019	0.00019
Cadmium	0.005	mg/L	0.00019					0.00019	0.00019	0.00019
Chromium	0.05	mg/L	0.0026					0.0026	0.0026	0.0026
Cyanide	0.15	mg/L	0.004					0.004	0.004	0.004
Mercury	0.002	mg/L	0.00019					0.00019	0.00019	0.00019
Nickel	0.1	mg/L	0.0035					0.0035	0.0035	0.0035
Selenium	0.05	mg/L	0.0019					0.0019	0.0019	0.0019
Thallium	0.002	mg/L	0.0009					0.0009	0.0009	0.0009
Perchlorate	0.006	mg/L	0					0	0	0
Fluoride	2	mg/L	1.69					1.69	1.69	1.69
A2 - Radioactivity										
Radium-226 + Radium-228	5	pCi/L	0.868					0.868	0.868	0.868
Gross Alpha Particle Activity[1]	15	pCi/L	1.32					1.32	1.32	1.32
Tritium	20,000	pCi/L	434					434	434	434
Strontium-90	8	pCi/L	0.421					0.421	0.421	0.421
Gross Beta Particle Activity	50	pCi/L	0.921					0.921	0.921	0.921
Uranium	20	pCi/L	0.69					0.69	0.69	0.69
A3 - Volatile Organic Chemicals										
Benzene	0.001	mg/L	0.00049					0.00049	0.00049	0.00049
Carbon Tetrachloride (CTC)	0.0005	mg/L	0.00049					0.00049	0.00049	0.00049
1,2-Dichlorobenzene	0.6	mg/L	0.00049					0.00049	0.00049	0.00049
1.4-Dichlorobenzene	0.005	mg/L	0.00049					0.00049	0.00049	0.00049
1, 1-Dichloroethane	0.005	mg/L	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
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L	0.00049					0.00049	0.00049	0.00049
Cis-1,2-Dichloroethylene	0.006	mg/L	0.00049					0.00049	0.00049	0.00049
Trans-1,2-Dichloroethylene	0.01	mg/L	0.00049					0.00049	0.00049	0.00049
Dichloromethane	0.005	mg/L	0.00049					0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	0.00049					0.00049	0.00049	0.00049
1,3-Dichloropropene	0.0005	mg/L	0.00049					0.00049	0.00049	0.00049
Ethylbenzene	0.3	mg/L	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
Monochlorobenzene	0.07	mg/L	0.00049					0.00049	0.00049	0.00049
Styrene	0.1	mg/L	0.00049					0.00049	0.00049	0.00049
1,1,2,2-Tetrachloroethane	0.001	mg/L	0.00049					0.00049	0.00049	0.00049
Tetrachloroethylene (PCE)	0.005	mg/L	0.00049					0.00049	0.00049	0.00049

			>> DATE >>	1/7						
	MCL	Units	Q1	Q2	Q3	Q3	Q4	MAX	AVG	MIN
A3 - Non-Volatile Synthetic Organics										
Alachlor	0.002	mg/L	0.00019					0.00019	0.00019	0.00019
Atrazine	0.001	mg/L	0.00019					0.00019	0.00019	0.00019
Bentazon	0.018	mg/L	0.0009					0.0009	0.0009	0.0009
Benzo(a)pyrene	0.0002	mg/L	0.000049					0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0.0009					0.0009	0.0009	0.0009
Chlordane	0.0001	mg/L	0.000089					0.000089	0.000089	0.000089
2,4-D	0.07	mg/L	0.0009					0.0009	0.0009	0.0009
Dalapon	0.2	mg/L	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
Di(2-ethylhexyl)adipate	0.4	mg/L	0.0019					0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate	0.004	mg/L	0.0019					0.0019	0.0019	0.0019
Dinoseb	0.007	mg/L	0.0009					0.0009	0.0009	0.0009
Diquat	0.02	mg/L	0					0	0	0
Endothall	0.1	mg/L	0					0	0	0
Endrin	0.002	mg/L	0.000009					0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.0000019					0.0000019	0.0000019	0.0000019
Glyphosate	0.7	mg/L	0					0	0	0
Heptachlor	0.00001	mg/L	0.000009					0.000009	0.000009	0.000009
Heptachlor Epoxide	0.00001	mg/L	0.000009					0.000009	0.000009	0.000009
Hexachlorobenzene	0.001	mg/L	0.000009					0.000009	0.000009	0.000009
Hexachlorocyclopentadiene	0.05	mg/L	0.000009					0.000009	0.000009	0.000009
lindane	0.0002	mg/L	0.000009					0.000009	0.000009	0.000009
Methoxychlor	0.03	mg/L	0.000049					0.000049	0.000049	0.000049
Molinate	0.02	mg/L	0.0002					0.0002	0.0002	0.0002
Oxamyl	0.05	mg/L	0.0019					0.0019	0.0019	0.0019
Pentachlorophenol	0.001	mg/L	0.000089					0.000089	0.000089	0.000089
Picloram	0.5	mg/L	0.0009					0.0009	0.0009	0.0009
Polychlorinated Biphenyls	0.0005	mg/L	0.000089					0.000089	0.000089	0.000089
Simazine	0.004	mg/L	0.00019					0.00019	0.00019	0.00019
Thiobencarb	0.07	mg/L	0.00019					0.00019	0.00019	0.00019
Toxaphene	0.003	mg/L	0.000089					0.000089	0.000089	0.000089
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	9.86					9.86	9.86	9.86
2,4,5-TP (Silvex)	0.05	mg/L	0.00019					0.00019	0.00019	0.00019
A4 - Disinfection Byproducts										
Total Trihalomethanes (TTHM)	0.08	ppb	0.0007					0.0007	0.0007	0.0007
Bromodichloromethane			0.0026					0.0026	0.0026	0.0026
Bromoform			0.00049					0.00049	0.00049	0.00049
Chloroform			0.0063					0.0063	0.0063	0.0063
Dibromochloromethane			0.0007					0.0007	0.0007	0.0007
Haloacetic acid (five) (HAA5)	0.06	ppb	6.58					6.58	6.58	6.58
Monochloroacetic acid		ppb	0.9					0.9	0.9	0.9
Dichloroacetic acid		ppb	4.3					4.3	4.3	4.3

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

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

Trichloroacetic acid		ppb	1.7					1.7	1.7	1.7
Monobromoacetic acid		ppb	0.9					0.9	0.9	0.9
Dibromoacetic acid		ppb	0.7					0.7	0.7	0.7
Bromate 121	0.01	ppb	24.9					24.9	24.9	24.9
Chlorite131	1	ppb	99.9					99.9	99.9	99.9

A5 - Secondary MCLs										
Aluminum	0.2	mg/L	0.02					0.02	0.02	0.02
Color	150	CU	34.1					34.1	34.1	34.1
Copper	1	mg/L	0.0005					0.0005	0.0005	0.0005
Corrosivity (Langelier Index)	Non		-0.006					-0.006	-0.006	-0.006
Foam Agents (MBAS)	0.5	mg/L	0.3					0.3	0.3	0.3
Iron	0.3	mg/L	0.04					0.04	0.04	0.04
Manganese	0.05	mg/L	0.063					0.063	0.063	0.063
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.00049					0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.	0.9					0.9	0.9	0.9
Silver	0.1	mg/L	0.00019					0.00019	0.00019	0.00019
Thiobencarb	0.001	mg/L	0.00019					0.00019	0.00019	0.00019
Zinc	5	mg/L	0.048					0.048	0.048	0.048

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	Routine Solids Removal	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
	QUARTER TOTAL		35,000					

SECOND QUARTER	04/06/2021	Tue	5,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		5,000					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

THIRD QUARTER								
	QUARTER TOTAL		0					

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: 12-Jan-21 13:53
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0003-01) Collected: 01-Jan-21 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10212	1.8	01-Jan-21	04-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10212	1.8	01-Jan-21	04-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10204	0.1	01-Jan-21	01-Jan-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10205	0.05	02-Jan-21	02-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0003

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/01/21	8:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	01/01/21	8:35
Received by:	Alex Wallin Jr (PCL)	1/1/21	10:15
Relinquished by:			
Received by:			
Relinquished by:			
Received by:	JAN 01 2021		1205

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes 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: 12-Jan-21 13:57
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0006-01) Collected: 02-Jan-21 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10212	1.8	02-Jan-21	04-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10212	1.8	02-Jan-21	04-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10318	0.1	02-Jan-21	03-Jan-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10211	0.05	02-Jan-21	02-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0006

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/01/21	10:15	1	pH, T Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4 | 14.8
"	"	"	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 Dueñas	Jesus Dueñas (IPC)	01/01/21	10:30
Received by:	Cindy Warren	1-2-21	10:50
Relinquished by:	Cindy Warren	1-2-21	11:40
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	1/2/21	1140

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 13:59
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0012-01) Collected: 03-Jan-21 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10317	1.8	03-Jan-21	05-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10317	1.8	03-Jan-21	05-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10322	0.1	03-Jan-21	03-Jan-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10321	0.05	03-Jan-21	03-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0012

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/3/21	11:22	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name, (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/3/21	11:25
Received by			1/3/21	11:25
Relinquished by			1-3-21	12:25
Received by				
Relinquished by				
Received by		JAN 03 2021		1224

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:02
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0024-01) Collected: 04-Jan-21 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10426	1.8	04-Jan-21	07-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10426	1.8	04-Jan-21	07-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10433	0.1	04-Jan-21	04-Jan-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10434	0.05	04-Jan-21	04-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0024

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/04/21	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (APC)	01/04/21	1110
Received by			1/4/21	1150
Relinquished by				
Received by				
Relinquished by				
Received in lab by			1/4/21	1335

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 20-Jan-21 17:37
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0028-01) Collected: 04-Jan-21 By CA							
Physical Properties							
Total Dissolved Solids	SM 2540C	AA10528	5	05-Jan-21	06-Jan-21	**744 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AA11821	20.0	18-Jan-21	19-Jan-21	**195 mg/l**	
Sulfate as SO4	EPA 300.0	AA11821	10.0	18-Jan-21	19-Jan-21	**112 mg/l**	
Boron	EPA 200.7	AA10625	0.10	06-Jan-21	08-Jan-21	**0.26 mg/l**	
Phosphorus, Total as P	EPA 365.3	AA11928	0.25	19-Jan-21	19-Jan-21	**1.90 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AA10435	0.08	04-Jan-21	04-Jan-21	**0.14 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AA11434	5	14-Jan-21	16-Jan-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 1/20/2021
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.#: 21A0028

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature)
EFF	01/04/21	1110	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	pH: Field
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	01/04/21	1110
Received by	Eb	Carlos	1/4/21	1150
Relinquished by				
Received by				
Relinquished by				
Received in lab by	Eb	Evans	1/4/20	1345

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0066-01) Collected: 05-Jan-21 By GK							
Microbiological							
Fecal Coliforms	SM 9221E	AA10525	1.8	05-Jan-21	07-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10525	1.8	05-Jan-21	07-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10906	0.1	05-Jan-21	05-Jan-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10905	0.05	09-Jan-21	09-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0066

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/5/21	10:35	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
JAN 05 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/5/21	1035
Received by: Eb	Eromb pcl	1/5/21	1200
Relinquished by: Eb	Eromb pcl	1/5/21	1515
Received by:			
Relinquished by:			
Received in lab by:	JAN 05 2021		1226

Sample Received Checklist

Temperature upon receipt: 4

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:23
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21A0145-01) Collected: 05-Jan-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AA10730	1	07-Jan-21	07-Jan-21	**160 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA10732	2	07-Jan-21	12-Jan-21	**390 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0145

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/05/21	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JAN 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/06/21	1000
Received by		Gwan Garcia	1/6/21	1230
Relinquished by		Gwan Garcia	1/6/21	1530
Received by				
Relinquished by				
Received for lab by		JAN 06 2021		1631

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:07
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0137-01) Collected: 06-Jan-21 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10631	1.8	06-Jan-21	08-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10631	1.8	06-Jan-21	08-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10906	0.1	06-Jan-21	06-Jan-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10905	0.05	07-Jan-21	07-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0137

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/06/21	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 06 2021

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	01/06/21	1150
Received by	GB	Wayn Garcia pcl	1/6/21	1230
Relinquished by	EB	Evans pcl	1/6/21	1530
Received by				
Relinquished by				
Received in lab by		JAN 06 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	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
(Coli) - bacteria	

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:50
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0147-01) Collected: 06-Jan-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AA10730	1	07-Jan-21	07-Jan-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA10737	0.10	07-Jan-21	07-Jan-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA10823	0.05	08-Jan-21	09-Jan-21	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AA10823	0.05	08-Jan-21	09-Jan-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA11425	0.10	14-Jan-21	15-Jan-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21A0147-02) Collected: 05-Jan-21 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA10732	2	07-Jan-21	12-Jan-21	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/19/2021
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.#: 21A0147

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/06/21	1150	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	01/05/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/06/21	1150
Received by	EG	Evan Garcia (PCL)	1/6/21	1230
Relinquished by	EG	Evan G (PCL)	1/6/21	0530
Received by				
Relinquished by				
Received in lab by		JAN 06 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
AI - $AlCl_3$
Cu - $CuSO_4$

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0176-01) Collected: 07-Jan-21 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10733	1.8	07-Jan-21	09-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10733	1.8	07-Jan-21	09-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10906	0.1	07-Jan-21	07-Jan-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10905	0.05	08-Jan-21	08-Jan-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 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0176

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/07/21	1050	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
JAN 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Self)	01/07/21	1050
Received by	EC	Evan Garcia (PAT)	1/7/21	1255
Relinquished by	EC	Evan Garcia (PAT)	1/7/21	1415
Received by				
Relinquished by				
Received in lab by		JAN 07 2021		1426

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 28-Apr-21 10:20
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0181-01) Collected: 07-Jan-21 By CA							
Physical Properties							
Total Alkalinity	SM 2320B	AA12620	1	26-Jan-21	27-Jan-21	**170 mg/l**	
Carbonate Alkalinity	SM 2320B	AA12620	1	26-Jan-21	27-Jan-21	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AA12620	1	26-Jan-21	27-Jan-21	**170 mg/l**	
Hydroxide Alkalinity	SM 2320B	AA12620	1	26-Jan-21	27-Jan-21	**<1 mg/l**	
Color	SM 2120 C	AA10912	5.0	09-Jan-21	09-Jan-21	**34.1 CU**	
Specific Conductance (EC)	SM 2510B	AA10914	0.1	09-Jan-21	10-Jan-21	**1250 uS/cm**	
Odor	SM 2150B	AB11216	1	07-Jan-21	07-Jan-21	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**<0.2 ug/l**	
Aluminum	EPA 200.8	AA11229	5.0	12-Jan-21	13-Jan-21	**20 ug/l**	
Fluoride	EPA 300.0	AA10919	0.10	09-Jan-21	10-Jan-21	**1.69 mg/l**	
Arsenic	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**1.1 ug/l**	
Barium	EPA 200.8	AA11229	0.5	12-Jan-21	13-Jan-21	**13 ug/l**	
Beryllium	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**<0.2 ug/l**	
Calcium	EPA 200.7	AA11110	0.10	11-Jan-21	12-Jan-21	**41.2 mg/l**	
Cadmium	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**2.6 ug/l**	
Copper	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**0.5 ug/l**	
Cyanide (total)	SM 4500-CN-E	AA11113	0.0040	11-Jan-21	11-Jan-21	**0.0040 mg/l**	
Iron	EPA 200.7	AA11110	0.02	11-Jan-21	12-Jan-21	**0.04 mg/l**	
Mercury	EPA 245.1	AA10815	0.20	08-Jan-21	11-Jan-21	**<0.20 ug/l**	
Magnesium	EPA 200.7	AA11110	0.10	11-Jan-21	12-Jan-21	**19.8 mg/l**	
Manganese	EPA 200.8	AA11229	0.5	12-Jan-21	13-Jan-21	**63 ug/l**	
Nickel	EPA 200.8	AA11229	0.5	12-Jan-21	13-Jan-21	**3.5 ug/l**	
Lead	EPA 200.8	AA11229	0.2	12-Jan-21	13-Jan-21	**<0.2 ug/l**	
pH	SM 4500H-B	AA10906	0.1	07-Jan-21	07-Jan-21	**7.6 pH Units**	A-01

Respectfully Submitted,

Steve Jefferson 4/28/2021
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-Apr-21 10:20
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0181-01) Collected: 07-Jan-21 By CA							
Inorganic Constituents							
Antimony	EPA 200.8	AA11229	1.0	12-Jan-21	13-Jan-21	**<1.0 ug/l**	
Selenium	EPA 200.8	AA11229	2.0	12-Jan-21	13-Jan-21	**<2.0 ug/l**	
Thallium	EPA 200.8	AA11229	1.0	12-Jan-21	13-Jan-21	**<1.0 ug/l**	
Uranium	EPA 200.8	AA11229	0.7	12-Jan-21	13-Jan-21	**<0.7 pCi/L**	
Zinc	EPA 200.8	AA11229	1.0	12-Jan-21	13-Jan-21	**48 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AA10726	0.20	08-Jan-21	08-Jan-21	**0.30 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Styrene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/28/2021
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-Apr-21 10:20
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0181-01) Collected: 07-Jan-21 By CA							
Volatile Organic Chemicals (VOCs)							
Tetrachloroethylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Toluene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**2.6 ug/l**	
Bromoform	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**<0.5 ug/l**	
Chloroform	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**6.3 ug/l**	
Dibromochloromethane	EPA 524.2	AA11933	0.5	19-Jan-21	19-Jan-21	**0.7 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AA11933		19-Jan-21	19-Jan-21	*94.3 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AA11933		19-Jan-21	19-Jan-21	*101 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AA11933		19-Jan-21	19-Jan-21	*99.2 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AA11828	1.0	18-Jan-21	27-Jan-21	**<1.0 ug/l**	
Dichloroacetic Acid	EPA 552.2	AA11828	1.0	18-Jan-21	27-Jan-21	**4.3 ug/l**	
Trichloroacetic Acid	EPA 552.2	AA11828	1.0	18-Jan-21	27-Jan-21	**1.7 ug/l**	
Monobromoacetic Acid	EPA 552.2	AA11828	1.0	18-Jan-21	27-Jan-21	**<1.0 ug/l**	
Dibromoacetic Acid	EPA 552.2	AA11828	1.0	18-Jan-21	27-Jan-21	**<1.0 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AA11828		18-Jan-21	27-Jan-21	*95.6 % (60-140)*	
Bromate	EPA 300.1	AA11929	25.0	19-Jan-21	27-Jan-21	**<25.0 ug/l**	
Chlorite	EPA 300.1	AA11929	100	19-Jan-21	27-Jan-21	**<100 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/28/2021
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-Apr-21 10:20
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0181-01) Collected: 07-Jan-21 By CA							
Disinfection Byproducts							
Haloacetic Acids (HAA5)	[CALC]	[CALC]	5.00	19-Jan-21	27-Jan-21	**6.58 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	19-Jan-21	19-Jan-21	**9.63 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AA12139	0.01	21-Jan-21	22-Jan-21	**<0.01 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AA12139	0.02	21-Jan-21	22-Jan-21	**<0.02 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AA12028	2.0	20-Jan-21	05-Feb-21	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AA12028	2.0	20-Jan-21	05-Feb-21	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AA12028		20-Jan-21	05-Feb-21	*58.8 % (50-120)*	
Alachlor	EPA 507	AA12141	0.2	21-Jan-21	06-Feb-21	**<0.2 ug/l**	
Atrazine	EPA 507	AA12141	0.2	21-Jan-21	06-Feb-21	**<0.2 ug/l**	
Molinate	EPA 507	AA12141	0.2	21-Jan-21	06-Feb-21	**0.2 ug/l**	
Simazine	EPA 507	AA12141	0.2	21-Jan-21	06-Feb-21	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AA12141	0.2	21-Jan-21	06-Feb-21	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AA12141		21-Jan-21	06-Feb-21	*60.6 % (40-120)*	
Chlordane	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Endrin	EPA 508	AA11318	0.01	13-Jan-21	06-Feb-21	**<0.01 ug/l**	
Heptachlor	EPA 508	AA11318	0.01	13-Jan-21	06-Feb-21	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AA11318	0.01	13-Jan-21	06-Feb-21	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AA11318	0.01	13-Jan-21	06-Feb-21	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AA11318	0.01	13-Jan-21	06-Feb-21	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AA11318	0.01	13-Jan-21	06-Feb-21	**<0.01 ug/l**	
Methoxychlor	EPA 508	AA11318	0.05	13-Jan-21	06-Feb-21	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	

Respectfully Submitted,

Steve Jefferson 4/28/2021
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

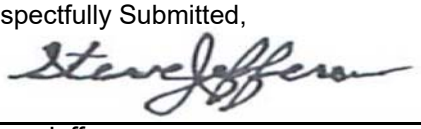
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Apr-21 10:20
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0181-01) Collected: 07-Jan-21 By CA							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1248 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Total PCBs	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Toxaphene	EPA 508	AA11318	0.1	13-Jan-21	06-Feb-21	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AA11318		13-Jan-21	06-Feb-21	*50.0 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AA11318		13-Jan-21	06-Feb-21	*39.5 % (50-120)*	*S-04*
Bentazon	EPA 515.1	AA11435	1.0	14-Jan-21	22-Jan-21	**<1.0 ug/l**	
2,4-D	EPA 515.1	AA11435	1.0	14-Jan-21	22-Jan-21	**<1.0 ug/l**	
Dalapon	EPA 515.1	AA11435	5.0	14-Jan-21	22-Jan-21	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AA11435	1.0	14-Jan-21	22-Jan-21	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AA11435	0.1	14-Jan-21	22-Jan-21	**<0.1 ug/l**	
Picloram	EPA 515.1	AA11435	1.0	14-Jan-21	22-Jan-21	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AA11435	0.2	14-Jan-21	22-Jan-21	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AA11435		14-Jan-21	22-Jan-21	*108 % (60-140)*	
Benzo (a) pyrene	EPA 550	AA11228	0.05	12-Jan-21	05-Feb-21	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AA11228		12-Jan-21	05-Feb-21	*74.8 % (45-120)*	
Carbofuran	EPA 8321A	AA11319	1.0	13-Jan-21	22-Mar-21	**<1.0 ug/l**	
Oxamyl	EPA 8321A	AA11319	2.0	13-Jan-21	22-Mar-21	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 8321A	AA11319		13-Jan-21	22-Mar-21	*84.3 % (60-140)*	

Respectfully Submitted,



Steve Jefferson 4/28/2021
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-Apr-21 10:20
Subject: (MCC) Quarterly EFF

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

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

A-01 Langelier Index = -0.006 (Non-Corrosive)

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

Respectfully Submitted,

Steve Jefferson 4/28/2021
Laboratory Director

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

January 20, 2021 Ceres ID: 14098

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

The following report contains the results for the one waste water sample received on January 14, 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 # 21A0181.

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
14098-001	21A0181-01	1/14/2021	1/7/2021	11:30

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 #:** 2320	**Date Received:** NA
	Matrix: Waste Water	**Date Extracted:** 1/18/2021
Project ID: 21A0181	**Sample Size:** 1.000 L	**ZB-5MS Analysis:** 1/19/2021

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.69	0.772	5.00		13C-2378-TCDD	85.5	31-137	
					CRS			
					37Cl4-2378-TCDD	87.5	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

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

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2320	**Date Extracted:** 1/18/2021
	Matrix: Waste Water	**ZB-5MS Analysis:** 1/19/2021
Project ID: 21A0181	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.86	7.3-14.6	13C-2378-TCDD	85.7	25-141
			CRS		
			37Cl4-2378-TCDD	98.7	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: 21A0181-01		
Project ID: 21A0181	**Ceres Sample ID:** 14098-001	**Date Received:** 1/14/2021
	QC Batch #: 2320	**Date Extracted:** 1/18/2021
Date Collected: 1/7/2021	**Matrix:** Waste Water	**ZB-5MS Analysis:** 1/19/2021
Time Collected: 11:30	**Sample Size:** 0.965 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 1.65	0.772	5.18		13C-2378-TCDD	82.3	31-137	
					CRS			
					37Cl4-2378-TCDD	82.4	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

21A0181

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: 21A0181-01	WASTE Water	**Sampled: 07-Jan-21 11:30**			**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613		22-Jan-21 12:00	14-Jan-21 11:30		
Containers Supplied:					

Released By — Date: JAN 11 2021 — Received By — Date: 1/14/21 11:00

Released By — Date — Received By — Date

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: 322100390
Customer ID: PTCM42
Customer PO:
Project ID:

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

Phone: (805) 532-0012
Fax:
Received: 01/08/2021
Analyzed: 01/20/2021

Proj: 21A0181

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)		
21A0181-01 322100390-0001	1/8/2021 05:20 PM	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: *01/07/2021 11:30 AM*

Analyst(s)
Kyeong Corbin (1)

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

Any questions please contact Jerry Drapala.

Initial report from: 01/20/2021 13:38:08

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

#322100390 **21A0181**

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: 21A0181-01	WASTE Water	**Sampled: 07-Jan-21 11:30**			**Wastewater/IPC [MCC] EFF-Quarterly**
Asbestos Water		22-Jan-21 12:00	06-Jul-21 11:30		
Containers Supplied:					

3.9°C

Released By	Date	Received By	Date
[signature]	JAN 08 2021	[signature] (WT)	1/8/21 4:25pm
Released By	Date	Received By	Date

February 3, 2021

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

Lab ID : SP 2100359
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 9 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(3 pages)	: Results for each sample submitted.
Quality Control	(4 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
21A0181-01	01/07/2021	01/11/2021	SP 2100359-001	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 at 5 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

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

Organic QC

547	01/12/2021:200458 All analysis quality controls are within established criteria.
	01/11/2021:200338 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
548.1	01/13/2021:200579 All analysis quality controls are within established criteria.
	01/12/2021:200358 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Endothall: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
549	01/11/2021:200333 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
549.2	01/12/2021:200583 All analysis quality controls are within established criteria.

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

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

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

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

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

February 3, 2021 Lab ID : SP 2100359
Pat-Chem Laboratories Customer : 2-12670

Radio QC

900.0	01/27/2021:201243 All analysis quality controls are within established criteria.
	01/12/2021:200346 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Gross Alpha, Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.
903.0	02/03/2021:201560 All analysis quality controls are within established criteria.
	01/30/2021:200779 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	01/20/2021:201314 All analysis quality controls are within established criteria.
	01/20/2021:200617 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
Ra - 05	01/23/2021:201058 All analysis quality controls are within established criteria.
	01/16/2021:200379 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Inorganic - Wet Chemistry QC

314.0	01/13/2021:200593 All analysis quality controls are within established criteria.
	01/12/2021:200448 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

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

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2021-02-03

February 3, 2021

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

Description : 21A0181-01
Project : 21A0181

Lab ID : SP 2100359-001
Customer ID : 2-12670

Sampled On : January 7, 2021-11:30
Sampled By : Not Available
Received On : January 11, 2021-13:19
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Perchlorate	ND	4	ug/L		314.0	01/12/21:200448	314.0	01/13/21:200593

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

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

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

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

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

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

February 3, 2021

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

Description : 21A0181-01
Project : 21A0181

Lab ID : SP 2100359-001
Customer ID : 2-12670

Sampled On : January 7, 2021-11:30
Sampled By : Not Available
Received On : January 11, 2021-13:19
Matrix : Waste Water

Sample Result - Organic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
EPA 547 Glyphosate	ND	20	ug/L		547	01/11/21:200338	547	01/12/21:200458
EPA 548.1 Endothall	ND	40	ug/L		548.1	01/12/21:200358	548.1	01/13/21:200579
EPA 549 Diquat	ND	4	ug/L		549	01/11/21:200333	549.2	01/12/21:200583

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

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

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

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

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

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

February 3, 2021

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

Description : 21A0181-01
Project : 21A0181

Lab ID : SP 2100359-001
Customer ID : 2-12670

Sampled On : January 7, 2021-11:30
Sampled By : Not Available
Received On : January 11, 2021-13:19
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	3.75 ± 1.09	1.32	pCi/L	15/5	900.0	01/12/21-07:53 2P2100346	900.0	01/27/21-10:46 2A2101243
Gross Beta	4.71 ± 0.824	0.921	pCi/L	50	900.0	01/12/21-07:53 2P2100346	900.0	01/27/21-10:46 2A2101243
Total Alpha Radium (226)	0.125 ± 0.201	0.362	pCi/L	3	903.0	01/30/21-12:00 2P2100779	903.0	02/03/21-07:44 2A2101560
Tritium	311 ± 274	434	pCi/L	20000	906.0	01/20/21-07:30 2P2100617	906.0	01/20/21-21:51 2A2101314
Ra 228	0.000 ± 0.797	0.506	pCi/L	2	Ra - 05	01/16/21-17:30 2P2100379	Ra - 05	01/23/21-14:10 2A2101058

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

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

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

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

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

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

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

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

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

February 3, 2021 Lab ID : SP 2100359
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Perchlorate	314.0	01/12/21:200448MCA	Blank	ug/L		ND	<4	
			LCS	ug/L	25.00	109 %	85-115	
			MS	ug/L	25.00	89.0 %	80-120	
		(SP 2100233-001)	MSD	ug/L	25.00	91.5 %	80-120	
			MSRPD	ug/L	25.00	2.8%	≤15	
	314.0	01/13/21:200593MCA	CCB	ppb		0.00	4.0	
			CCV	ppb	20.00	103 %	85-115	
			CCB	ppb		2.40	4.0	
			CCV	ppb	10.00	98.9 %	85-115	

Definition

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

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

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

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

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

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

February 3, 2021 Lab ID : SP 2100359
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Organic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Organic								
Glyphosate	547	01/11/21:200338SG	Blank	ug/L		ND	<20	
			LCS	ug/L	200.0	83.6 %	71-129	
			MS	ug/L	200.0	98.3 %	56-139	
		(CH 2090008-001)	MSD	ug/L	200.0	103 %	56-139	
			MSRPD	ug/L	200.0	5.0%	≤15	
	547	01/12/21:200458SG	CCV	ug/L	200.0	93.6 %	80-120	
			CCV	ug/L	100.0	84.3 %	80-120	
Endothall	548.1	01/12/21:200358SG	Blank	ug/L		ND	<40	
			LCS	ug/L	83.33	36.8 %	22-76	
			MS	ug/L	83.33	10.7 %	15-87	435
		(STK2130312-001)	MSD	ug/L	83.33	16.2 %	15-87	
			MSRPD	ug/L	83.33	4.6	≤40	
	548.1	01/13/21:200579SG	CCV	ug/L	1000	119 %	70-130	
			CCV	ug/L	2500	95.8 %	70-130	
Diquat Dibromide	549	01/11/21:200333SG	Blank	ug/L		ND	<4	
			LCS	ug/L	20.00	73.5 %	10-114	
			MS	ug/L	20.00	76.2 %	0-104	
		(STK2130312-001)	MSD	ug/L	20.00	68.0 %	0-104	
			MSRPD	ug/L	20.00	1.7	≤4	
	549.2	01/12/21:200583SG	CCV	ug/L	1000	117 %	80-120	
			CCV	ug/L	500.0	117 %	80-120	

Definition

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

Explanation

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

February 3, 2021 Lab ID : SP 2100359
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	01/27/21:201243JCA	CCV	cpm	7492	41.5 %	35-47	
			CCB	cpm		0.100	0.16	
Beta	900.0	01/27/21:201243JCA	CCV	cpm	7492	94.2 %	83-94	
			CCB	cpm		0.4200	0.58	
Gross Alpha	900.0	01/12/21:200346iwc	Blank	pCi/L		0.81	3	
			LCS	pCi/L	201.1	76.7 %	75-125	
			MS	pCi/L	804.4	13.3 %	60-140	435
		(SP 2100334-002)	MSD	pCi/L	804.4	11.9 %	60-140	435
			MSRPD	pCi/L	804.4	9.6%	≤30	
Gross Beta	900.0	01/12/21:200346iwc	Blank	pCi/L		0.29	4	
			LCS	pCi/L	35.78	102 %	84-160	
			MS	pCi/L	143.1	8.5 %	80-130	435
		(SP 2100334-002)	MSD	pCi/L	143.1	8.6 %	80-130	435
			MSRPD	pCi/L	804.4	0.3%	≤30	
Alpha	903.0	02/03/21:201560JCA	CCV	cpm	7825	39.1 %	37-46	
			CCB	cpm		0.100	0.16	
Total Alpha Radium (226)	903.0	01/30/21:200779emv	RgBlk	pCi/L		0.11	2	
			LCS	pCi/L	23.31	80.1 %	52-107	
			BS	pCi/L	23.31	75.5 %	43-111	
			BSD	pCi/L	23.31	74.1 %	43-111	
			BSRPD	pCi/L	23.31	1.9%	≤35.5	
Tritium	906.0	01/20/21:200617jca	Blank	pCi/L		33	300	
			LCS	pCi/L	1621	102 %	75-125	
			BS	pCi/L	1621	96.4 %	75-125	
			BSD	pCi/L	1621	98.6 %	75-125	
			BSRPD	pCi/L	1621	2.3%	≤25	
	906.0	01/20/21:201314jca	CCV	pCi/L	23610	101 %	90-110	
			CCB	pCi/L		140	500	
Beta	Ra - 05	01/23/21:201058emv	CCV	cpm	7832	90.1 %	84-94	
			CCB	cpm		0.3800	0.58	
Ra 228	Ra - 05	01/16/21:200379emv	RgBlk	pCi/L		0.16	3	
			LRS	pCi/L	12.28	70.6 %	65-108	
			BS	pCi/L	12.28	81.3 %	75-125	
			BSD	pCi/L	12.28	81.1 %	75-125	
			BSRPD	pCi/L	12.28	0.021	≤3	

Definition

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

Quality Control - Radio

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

February 9, 2021

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

Subject: Subcontract Analysis for FGL Lab No. SP 2100359

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

- Sub Contracted-Strontium 90

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

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2021-02-09

Enclosure

eurofins | Eaton Analytical

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

ACCREDITED
CERTIFICATE #'s 5890.01 & 5890.02

Laboratory Report

for

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

Date of Issue
02/08/2021

EUROFINS EATON ANALYTICAL, LLC

NELAP ACCREDITED TNI LABORATORY
Utah ELCP CA00006

Report: 912622
Project: DRINKING
Group: STRONTIUM 90

WV6M: Rosalynn Dang

Project Manager

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

STATE CERTIFICATION LIST

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

* NELAP/TNI Recognized Accreditation Bodies

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

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

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

eurofins | Eaton Analytical

Acknowledgement of Samples Received

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

Attn: Cindy Aguirre
Phone: 805-392-2012

Client ID: FGL
Folder #: 912622
Project: DRINKING
Sample Group: STRONTIUM 90

Project Manager: Rosalynn Dang
Phone: 626-386-1250
PO #: SP2100359

The following samples were received from you on **January 12, 2021** at **1619**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using Eurofins Eaton Analytical, LLC.

Sample #	Sample ID	Sample Date
202101120626	21A0181-01	01/07/2021 1130
	@SR90EDD	

Test Description

@SR90EDD -- Strontium-90 (sub)

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Eaton Analytical, Inc.

9/26/22

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 2100359**
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)	Test Description(s): Sub Contracted-Strontium 90 250 ml(AGT)								
1	21A0181-01	01/07/2021	11:30	G	WW					1								

Remarks

Relinquished	Date	Time	Relinquished	Date	Time	Relinquished	Date	Time
	1/11/21	17:30						
Received By:	**Date**	**Time**	**Received By:**	**Date**	**Time**	**Received By:**	**Date**	**Time**
GLS				1/12/21	16:19			

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

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

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

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

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

eurofins | Eaton Analytical

INTERNAL CHAIN OF CUSTODY RECORD

EEA Folder Number: 912622

SAMPLE TEMP RECEIVED:

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

SAMPLES REC'D DAY OF COLLECTION? Yes / No

IR Gun ID = 6084 (Observation= 19.1 °C) (Corr.Factor -0.2 °C) (Final = 18.9 °C)

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

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

Compliance Acceptance Criteria:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	✓	YUN	Eurofins Eaton Analytical	1/12/24	16:19

GLS

800-322-5555
www.gls-us.com

Ship From
FRUIT GROWERS LABORATORY, INC.
BRANDON QUELL
853 CORPORATION ST
SANTA PAULA, CA 93060

Ship To
EUROFINS EATON ANALYTICAL
ATTN: MONICA VANNATTA
750 ROYAL OAKS DRIVE STE#100
MONROVIA, CA 91016

COD: $0.00
Weight: 3 lb(s)
Reference:
SP2100359-1/11/21-BQ
Delivery Instructions:

Signature Type: STANDARD

Tracking #: 551860072

PDS

MONROVIA

S91016A

34341811

NWK CA906-FD0

Print Date: 1/11/2021 3:45 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

eurofins | Eaton Analytical

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

Laboratory Comments

Report: 912622
Project: DRINKING
Group: STRONTIUM 90

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

Folder Comments

Analytical results for Strontium 90 are submitted by Pace Analytical Services, Greensburg, PA CAELAP 2950 exp 3-31-2021

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

eurofins | Eaton Analytical

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

Laboratory Hits

Report: 912622
Project: DRINKING
Group: STRONTIUM 90

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

Samples Received on:
01/12/2021 1619

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL

SUMMARY OF POSITIVE DATA ONLY

eurofins | Eaton Analytical

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

Laboratory Data

Report: 912622
Project: DRINKING
Group: STRONTIUM 90

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

Samples Received on:
01/12/2021 1619

Prepped	Analyzed	Prep Batch	Analytical Batch	Method	Analyte	Result	Units	MRL	Dilution
21A0181-01 (202101120626)							**Sampled on 01/07/2021 1130**		
	EPA 905.0 - Strontium-90 (sub)								
	01/25/21 16:59			(EPA 905.0)	Strontium 90 (sub)	<0.421	pCi/L	0.42	1
	01/25/21 16:59			(EPA 905.0)	Strontium-90, MDA	0.421	pCi/L		1
	01/25/21 16:59			(EPA 905.0)	Strontium-90, Two Sigma Error	0.203	pCi/L		1

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

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

February 04, 2021

Ms. Jaclyn L. Contreras
Eurofins Eaton Analytical, LLC
750 Royal Oaks Drive, 100
Monrovia, CA 910163629

RE: Project: PACE PA 912622
Pace Project No.: 30401521

Dear Ms. Contreras:

Enclosed are the analytical results for sample(s) received by the laboratory on January 15, 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,

Jacquelyn Collins
jacquelyn.collins@pacelabs.com
(724)850-5612
Project Manager

Enclosures

cc: Mr. Aleksandar D. Tomovich, Eurofins Eaton Analytical, LLC

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

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

CERTIFICATIONS

Project: PACE PA 912622
Pace Project No.: 30401521

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: PACE PA 912622
Pace Project No.: 30401521

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30401521001	**202101120626**	Drinking Water	01/07/21 11:30	01/15/21 10:15

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

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

SAMPLE ANALYTE COUNT

Project: PACE PA 912622
Pace Project No.: 30401521

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30401521001	**202101120626**	EPA 905.0	LAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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

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

PROJECT NARRATIVE

Project: PACE PA 912622
Pace Project No.: 30401521

Method: **EPA 905.0**
Description: 905.0 Strontium 89/90
Client: Eurofins Eaton Analytical
Date: February 04, 2021

General Information:
1 sample was analyzed for EPA 905.0 by Pace Analytical Services Greensburg. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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

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

ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: PACE PA 912622
Pace Project No.: 30401521

Sample: 202101120626 **Lab ID: 30401521001** Collected: 01/07/21 11:30 Received: 01/15/21 10:15 Matrix: Drinking Water
PWS: Site ID: Sample Type:

Comments:
- Upon receipt at the laboratory, 2.5 mls of nitric acid were added to the sample to meet the sample preservation requirement of pH <2 for radiochemistry analysis. The samples were not preserved <2 within the required 5 days of collection.
- Preservative not listed on COC.
- Sampler's name and signature not on COC.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Strontium-90	EPA 905.0	**-0.114 ± 0.203 (0.421) C:98% T:NA**	pCi/L	01/25/21 16:59	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: PACE PA 912622
Pace Project No.: 30401521

QC Batch: 431763
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: 30401521001

METHOD BLANK: 2085387 Matrix: Water
Associated Lab Samples: 30401521001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.00860 ± 0.0718 (0.147) C:94% T:NA	pCi/L	01/25/21 17:02	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

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

QUALIFIERS

Project: PACE PA 912622
Pace Project No.: 30401521

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.

eurofins | Eaton Analytical

Submittal Form

Date: 1/14/2021

*REPORTING REQUIRMENTS: ***Do Not Combine Reports with any other samples submitted under different Folder Numbers!***
Report & Invoice must have the Folder # **912622** Job # **1000014**

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

Ship To:
`PACE Analytical Services, Inc.
1638 Roseytown Road, Suite 2
Suite 2
Greensburg, PA 15601

Phone: 724-850-5600 Fax: 724-850-5601

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

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

Samples from: **CALIFORNIA**

WO# : 30401521

30401521

Folder #:	**Report Due:**
912622	**02/11/2021**

Sample ID	Client Sample ID for reference onl	Sample Date & Time	Matrix	PWS Systemcode	PWSID	
202101120626	21A0181-01	01/07/21 1130	DW			JLS

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

Method	Prep Method	Analysis Requested	
EPA 905.0		Strontium-90 (sub)	001

Relinquished by: _____ Sample Control _____ Date 1/14/21 Time 1427

Received by: _____ Date _____ Time _____

Relinquished by: _____ Sample Control _____ Date _____ Time _____

Received by: _____ Date 1/15/2021 Time 1015

NOTIFICATION REQUIRED IF RECEIVED OUTSIDE OF 0-6 CELSIUS

An Acknowledgement of Receipt is requested to attn: Jackie Contreras

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

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Eurofins Project # # 30391521

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other ____ Label 6M

Tracking #: 954171549884 LIMS Login MM

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# 10D0401 Date and Initials of person examining contents: 1/15/2021 SW

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: DW	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -Pace Containers Used:	✓	✓		10.
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. preserved container with 2.5ml HNO_3
All containers meet method preservation requirements.		✓		Initial when completed: SW Date/time of preservation: 1/15/2021 17:09 Lot # of added preservative: DL21-0024
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: SW Date: 1/15/2021

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.

Quality Control Sample Performance Assessment

Pace Analytical™ www.pacelabs.com

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test:	Sr-90
Analyst:	LAL
Date:	1/22/2021
Batch:	58423
Matrix:	DW

Method Blank Assessment	
MB Sample ID	2085387
MB concentration:	-0.009
M/B Counting Uncertainty:	0.0718
MB MDC:	0.147
MB Numerical Performance Indicator:	-0.23
MB Status vs Numerical Indicator:	N/A
MB Status vs. MDC:	Pass

Laboratory Control Sample Assessment	LCSD (Y or N)?	Y
	LCS58423	**LCSD58423**
Count Date:	1/26/2021	1/26/2021
Spike I.D.:	19-045	19-045
Spike Concentration (pCi/mL):	32.564	32.564
Volume Used (mL):	0.10	0.10
Aliquot Volume (L, g, F):	0.5108	0.5093
Target Conc. (pCi/L):	6.375	6.394
Uncertainty (Calculated):	0.031	0.031
Result (pCi/L):	4.389	4.770
LCS/LCSD Counting Uncertainty (pCi/L):	0.500	0.514
Numerical Performance Indicator:	-7.77	-6.18
Percent Recovery:	68.85%	74.60%
Status vs Numerical Indicator:	N/A	N/A
Status vs Recovery:	Pass	Pass
Upper % Recovery Limits:	130.00%	130.00%
Lower % Recovery Limits:	65.00%	65.00%

Sample Matrix Spike Control Assessment	
Sample Collection Date:	1/13/2021
Sample I.D.	30401903001
Sample MS I.D.	30401903001MS
Sample MSD I.D.	
Spike I.D.:	19-045
MS/MSD Decay Corrected Spike Concentration (pCi/mL):	32.592
Spike Volume Used in MS (mL):	0.20
Spike Volume Used in MSD (mL):	
MS Aliquot (L, g, F):	0.4091
MS Target Conc. (pCi/L):	15.935
MSD Aliquot (L, g, F):	
MSD Target Conc. (pCi/L):	
MS Spike Uncertainty (calculated):	0.076
MSD Spike Uncertainty (calculated):	
Sample Result:	0.0213
Sample Result Counting Uncertainty (pCi/L):	0.0945
Sample Matrix Spike Result:	11.24
Matrix Spike Result Counting Uncertainty (pCi/L):	0.848
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L):	
MS Numerical Performance Indicator:	-10.791
MSD Numerical Performance Indicator:	
MS Percent Recovery:	70.40%
MSD Percent Recovery:	
MS Status vs Numerical Indicator:	N/A
MSD Status vs Numerical Indicator:	
MS Status vs Recovery:	Pass
MSD Status vs Recovery:	
MS/MSD Upper % Recovery Limits:	130.00%
MS/MSD Lower % Recovery Limits:	65.00%

Duplicate Sample Assessment		
Sample I.D.:	LCS58423	Enter Duplicate sample IDs if other than LCS/LCSD in the space below.
Duplicate Sample I.D.	LCSD58423	
Sample Result (pCi/L):	4.389	
Sample Result Counting Uncertainty (pCi/L):	0.500	
Sample Duplicate Result (pCi/L):	4.770	
Sample Duplicate Result Counting Uncertainty (pCi/L):	0.514	
Are sample and/or duplicate results below MDC?	NO	
Duplicate Numerical Performance Indicator:	-1.041	
(Based on the LCS/LCSD Percent Recoveries) Duplicate RPD:	8.02%	
Duplicate Status vs Numerical Indicator:	N/A	
Duplicate Status vs RPD:	Pass	
% RPD Limit:	25.00%	

Matrix Spike/Matrix Spike Duplicate Sample Assessment	
Sample I.D.	
Sample MS I.D.	
Sample MSD I.D.	
Sample Matrix Spike Result:	
Matrix Spike Result Counting Uncertainty (pCi/L):	
Sample Matrix Spike Duplicate Result:	
Matrix Spike Duplicate Result Counting Uncertainty (pCi/L):	
Duplicate Numerical Performance Indicator:	
(Based on the MS / MSD Recoveries) MS / MSD Duplicate RPD:	
MS/ MSD Duplicate Status vs Numerical Indicator:	
MS/ MSD Duplicate Status vs RPD:	
% RPD Limit:	

Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

1/27/21

lam 1/27/21

SUBCONTRACT ORDER

Pat-Chem Laboratories

21A0181

2100359

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: 21A0181-01 WASTE Water	**Sampled: 07-Jan-21 11:30**			**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub out)	22-Jan-21 12:00	09-Jan-21 11:30		
Sr-90 (Strontium 90)	22-Jan-21 12:00	06-Jul-21 11:30		
Radium 226 228	22-Jan-21 12:00	06-Jul-21 11:30		
Perchlorate 314.0	22-Jan-21 12:00	04-Feb-21 11:30		
Gross beta SUB	22-Jan-21 12:00	06-Jul-21 11:30		
Gross alpha SUB	22-Jan-21 12:00	06-Jul-21 11:30		
549 Diquat	22-Jan-21 12:00	14-Jan-21 11:30		
548.1 Endothall	22-Jan-21 12:00	14-Jan-21 11:30		
547 Glyphosate	22-Jan-21 12:00	21-Jan-21 11:30		
Containers Supplied:				

Released By	Date	Received By	Date
JAN 11 2021		1/11/21	
Released By	1/11/21 Date	Received By	1/11/21 1319 Date

5°C

ENVIRONMENTAL FGL AGRICULTURAL
Analytical Chemists

Subcontract to
Eurofins Eaton Analytical, Inc.

CHAIN OF CUSTODY
AND ANALYSES REQUEST FORM

Chain of Custody Information

Lab Number:

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

Phone: Fax:
Contact:
Project: **SP 2100359**
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)	Test Description(s): Sub Contracted-Strontium 90 250 ml(AGT)								
1	21A0181-01	01/07/2021	11:30	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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0181

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/07/21	1130	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P 250	HN	
			1	Fluoride, Bromate, Chlorite, Color, Odor, pH, Conductivity, Alkalinity, Temperature	Grab	AQ	1/2 Gal. P	4°C	
			1	Cyanide	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			6	524, 504	Grab	AQ	3-VOA	4°C	
			7	507, 515, 632, 508, 550, 506, 552	Grab	AQ	1L G	4°C	
			1	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
JAN 07 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	CA	Carlos Alvarez (IPC)	01/07/21	1150
Received by	EG	Evangelina Garcia (PM)	1/7/21	1255
Relinquished by	EG	Carlos (PM)	1-7-21	1415
Received by				
Relinquished by				
Received in lab by		JAN 07 2021		1440

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:12
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0210-01) Collected: 08-Jan-21 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10821	1.8	08-Jan-21	10-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10821	1.8	08-Jan-21	10-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA10906	0.1	08-Jan-21	08-Jan-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10905	0.05	09-Jan-21	09-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0210

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

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir
Report Attention:

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/08/21	1050	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 18.4
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
JAN 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/08/21	12:19
Received by		Cindy Martinez	1-8-21	12:19
Relinquished by		Cindy Martinez	1-8-21	13:08
Received by				
Relinquished by				
Received in Lab by		JAN 08 2021		1433

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 12-Jan-21 14:14
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0221-01) Collected: 09-Jan-21 By JA							
Microbiological							
Fecal Coliforms	SM 9221E	AA10904	1.8	09-Jan-21	11-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA10904	1.8	09-Jan-21	11-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11028	0.1	09-Jan-21	09-Jan-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA10918	0.05	09-Jan-21	09-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/12/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21A0221

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/04/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 09 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Dueñas	Jesus Dueñas (IPC)	01/04/21	9:55
Received by: Alex Walton	Alex Walton	01/4/21	1400
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	JAN 09 2021		15:45

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 13-Jan-21 16:45
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0227-01) Collected: 10-Jan-21 By MA							
Microbiological							
Fecal Coliforms	SM 9221E	AA11026	1.8	10-Jan-21	12-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11026	1.8	10-Jan-21	12-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11028	0.1	10-Jan-21	10-Jan-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11238	0.05	11-Jan-21	11-Jan-21	**0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/13/2021
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.#: 21A0227

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/10/21	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by:	Mario Aguirre	1/10/21	9:53
Received by:	Alex Wawrzyniak	1/10/21	12:20
Relinquished by:			
Received by:			
Relinquished by:			
Received by:		JAN 10 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	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	(ST) - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
(Coli) - bacteria	

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:31
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0244-01) Collected: 11-Jan-21 By CA							
Microbiological							
Fecal Coliforms	SM 9221E	AA11114	1.8	11-Jan-21	13-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11114	1.8	11-Jan-21	13-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11605	0.1	11-Jan-21	11-Jan-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11238	0.05	12-Jan-21	12-Jan-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 1/19/2021
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.#: 21A0244

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	RC 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	01/11/21	1150	1	pH, T.Res Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 19.3 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
JAN 11 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SCE)	01/11/21	1155
Received by		Cindy Martinez	1-11-21	1155
Relinquished by		Cindy Martinez	1-11-21	13:32
Received by				
Relinquished by				
Received in lab by		JAN 11 2021		13:27

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:34
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0273-01) Collected: 12-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11234	1.8	12-Jan-21	14-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11234	1.8	12-Jan-21	14-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11605	0.1	12-Jan-21	12-Jan-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11326	0.05	13-Jan-21	13-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/19/2021
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.#: 21A0273

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	1/12/21	10:51	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.62 / 16.7 °C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 12 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Maric Aguirre	1/12/21	10:54
Received by	Armando Olmos (PCL)	1/12/21	12:20
Relinquished by	Armando Olmos (PCL)	1/12/21	14:05
Received by			
Relinquished by			
Received by		JAN 12 2021	1413

Sample Received Checklist — 4 °C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:38
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0305-01) Collected: 13-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11325	1.8	13-Jan-21	15-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11325	1.8	13-Jan-21	15-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11605	0.1	13-Jan-21	13-Jan-21	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11436	0.05	13-Jan-21	13-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/19/2021
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.#: 21A0305

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/13/21	1205	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.81 19.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SRC)	01/13/21	1210
Received by		Cindy Martinez	1-13-21	1220
Relinquished by		Cindy Martinez	1-13-21	1335
Received by				
Relinquished by				
Received by		JAN 13 2021		1418

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Jan-21 14:11
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0302-01) Collected: 13-Jan-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AA11428	1	14-Jan-21	14-Jan-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA11426	0.10	14-Jan-21	14-Jan-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AA11429	0.05	14-Jan-21	14-Jan-21	**<0.05 mg/l**	
Nitrite as N	EPA 353.2	AA11429	0.05	14-Jan-21	14-Jan-21	**0.14 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA12616	0.10	26-Jan-21	28-Jan-21	**0.89 mg/l**	
EFF (Sample I.D.# : 21A0302-02) Collected: 12-Jan-21 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA11427	2	14-Jan-21	19-Jan-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 1/28/2021
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.#: 21A0302

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

Project:

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

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/13/21	1205	1	TSS	Grab	AQ	1L P	4°C	6.9 / 19.6
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	01/12/21	0000	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JAN 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cal)	01/13/21	1215
Received by		Cindy Wagner	1-13-21	12:20
Relinquished by		Cindy Wagner	1-13-21	13:35
Received by				
Relinquished by				
Received by			JAN 13 2021	1405

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:52
Subject: (MCC) Weekly INF

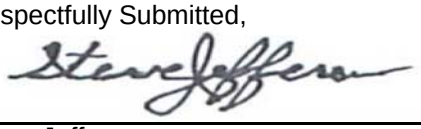
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21A0303-01) Collected: 13-Jan-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AA11428	1	14-Jan-21	14-Jan-21	**260 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA11427	2	14-Jan-21	19-Jan-21	**446 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 1/19/2021
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.#: 21A0303

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field	Lab
INF	01/12/21	0000	1	TSS	Comp	AQ	1L P	4°C	6.6 / 16.0 °C	
			1	BOD	Comp	AQ	1L P	4°C		

RECEIVED
JAN 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/13/21	12:15
Received by		Cindy Murray	1/13-21/2:20	
Relinquished by				
Received by				
Relinquished by				
Received by		JAN 13 2021		14:14

Sample Received Checklist

Temperature upon receipt:	7 °C	
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:41
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0339-01) Collected: 14-Jan-21 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11431	1.8	14-Jan-21	16-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11431	1.8	14-Jan-21	16-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11605	0.1	14-Jan-21	14-Jan-21	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11436	0.05	14-Jan-21	14-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/19/2021
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.#: 21A0339

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/14/21	10:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.8/23.0
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	

RECEIVED
JAN 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	1/14/21	11:35
Received by:	Cindy Mariner	1/14/21	11:35
Relinquished by:	Cindy Mariner	1/14/21	14:00
Received by:			
Relinquished by:			
Received by:		JAN 14 2021	13:50

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 19-Jan-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.# : 21A0360-01) Collected: 15-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11509	1.8	15-Jan-21	17-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11509	1.8	15-Jan-21	17-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11605	0.1	15-Jan-21	15-Jan-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11512	0.05	15-Jan-21	15-Jan-21	**0.12 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/19/2021
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.#: 21A0360

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/15/20	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.20/24.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	

RECEIVED
JAN 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olmos (IPC)	01/15/20	1150
Received by		Armando Olmos (PCL)	1/15/21	12:10
Relinquished by		Armando Olmos (PCL)	1/15/21	13:25
Received by				
Relinquished by				
Received by		JAN 15 2021		1345

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 19-Jan-21 17:46
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0372-01) Collected: 16-Jan-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11604	1.8	16-Jan-21	18-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11604	1.8	16-Jan-21	18-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA11713	0.1	16-Jan-21	16-Jan-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11712	0.05	17-Jan-21	17-Jan-21	**0.11 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 1/19/2021
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.#: 21A0372

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/16/21	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 16 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Jesus Avalos	Jesus Avalos (IPC)	1/16/21	10:00
Received by		Alex Walker Jr (PCL)	1/16/21	10:25
Relinquished by				
Received by				
Relinquished by				
Received by		JAN 16 2021		1252

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 11:29
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0379-01) Collected: 17-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11711	1.8	17-Jan-21	20-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11711	1.8	17-Jan-21	20-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12306	0.1	17-Jan-21	17-Jan-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11827	0.05	18-Jan-21	18-Jan-21	**0.20 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21A0379

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/17/21	9:41	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
EFF	"	"							

RECEIVED
JAN 17 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/17/21	9:45
Received by		Alex Walk Jr (AQ)	1/17/21	10:30
Relinquished by				
Received by				
Relinquished by				
Received by		JAN 17 2021		1304

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 11:32
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0403-01) Collected: 18-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11824	1.8	18-Jan-21	20-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11824	1.8	18-Jan-21	20-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12306	0.1	18-Jan-21	18-Jan-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA11936	0.05	19-Jan-21	19-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21A0403

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	011821	11:50	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	
	〃	〃	1	Enterococcus	Grab	AQ	Coli	ST	

RECEIVED
JAN 18 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000138

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Lerc	011821	1420
Received by	MARIO SANTIESTEBAN (PCL)	1/18/21	1420
Relinquished by			
Received by			
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/18/21	1500
Received by		JAN 18 2021	1504

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
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: 04-Feb-21 11:34
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0437-01) Collected: 19-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA11934	1.8	19-Jan-21	21-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA11934	1.8	19-Jan-21	21-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12306	0.1	19-Jan-21	19-Jan-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12027	0.05	20-Jan-21	20-Jan-21	**0.26 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21A0437

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/19/21	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.82/12.5°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/19/21	1130
Received by		MARIE SANTIESTEBAN (PCL)	1/19/21	1130
Relinquished by				
Received by				
Relinquished by				1435
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 11:36
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0451-01) Collected: 20-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12023	1.8	20-Jan-21	22-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12023	1.8	20-Jan-21	22-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12306	0.1	20-Jan-21	20-Jan-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12137	0.05	21-Jan-21	21-Jan-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 2/4/2021
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.#: 21A0451

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/20/21	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.66 / 12.7 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	1/20/21	1138
Received by	MARIO SANTIESTEBAN (PCL)	1/20/21	1236
Relinquished by			
Received by			
Relinquished by	MARIO SANTIESTEBAN (PCL)	1/20/21	1515
Received in lab by	JAN 20 2021		1411

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 28-Jan-21 14:15
Subject: (MCC) Weekly INF

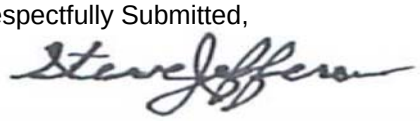
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21A0452-01) Collected: 20-Jan-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA12130	1	21-Jan-21	21-Jan-21	**328 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA12132	2	21-Jan-21	26-Jan-21	**410 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 1/28/2021
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.#: 21A0452

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/20/21	12:30	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JAN 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEXA	01/20/21	1236
Received by	MARJO SANTIESTEBAN (PCL)	1/20/21	1236
Relinquished by			
Received by			
Relinquished by	MARJO SANTIESTEBAN (PCL)	1/20/21	1515
Received in lab by	JAN 20 2021		1413

Sample Received Checklist

Temperature upon receipt: 2/C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(C) Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 11:39
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0486-01) Collected: 21-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12134	1.8	21-Jan-21	23-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12134	1.8	21-Jan-21	23-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12306	0.1	21-Jan-21	21-Jan-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12217	0.05	22-Jan-21	22-Jan-21	**0.20 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21A0486

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/21/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.34/23.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
JAN 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/21/21	1140
Received by		MARIO SANTIESTEBAN (PCL)	1/21/21	1146
Relinquished by				
Received by				
Relinquished by		MARIO SANTIESTEBAN (PCL)	1/21/21	1530
Received in lab by		JAN 21 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	Preservations
(Grab)	(AQ) - Water	(P) Plastic	HC - HCl
Comp	SO - Soil / Sludge	G - Amber Glass	HS - H_2SO_4
	OT - Other	VOA - 40 ml Vial	HN - HNO_3
		Coli - bacteria	HP - H_3PO_4
			(OH) - NaOH
			(ST) - Sodium Thiosulfate
			AA - Ascorbic Acid
			Al - $AlCl_3$
			Cu - $CuSO_4$

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

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 11:45
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0484-01) Collected: 21-Jan-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AA12210	1	22-Jan-21	22-Jan-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA12211	0.10	22-Jan-21	22-Jan-21	**11.3 mg/l**	
Nitrate as N	EPA 353.2	AA12204	0.05	22-Jan-21	22-Jan-21	**0.19 mg/l**	
Nitrite as N	EPA 353.2	AA12204	0.05	22-Jan-21	22-Jan-21	**0.08 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB10231	1.00	02-Feb-21	03-Feb-21	**16.1 mg/l**	
EFF (Sample I.D.# : 21A0484-02) Collected: 20-Jan-21 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA12209	2	22-Jan-21	27-Jan-21	**2 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21A0484

Customer: [illegible] Performance Consultants, Inc
Project: (MOC) EFF - Weekly

Address: 9297 Research Drive
Sampled by: C. A.
P.O. #:

Irvine CA 92618
Report Attention: Ric Vercel / Golan Kfir
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	01/21/21	1130	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	01/20/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Pat-C)	01/21/21	1130
Received by		MARIO SANTIESTEBAN (PCL)	1/21/21	1146
Relinquished by				
Received by				
Relinquished by		MARIO SANTIESTEBAN (PCL)	1/21/21	1550
Received in Lab		JAN 21 2021		1503

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 15:55
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0510-01) Collected: 22-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12216	1.8	22-Jan-21	26-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12216	1.8	22-Jan-21	26-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12306	0.1	22-Jan-21	22-Jan-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12305	0.05	23-Jan-21	23-Jan-21	**0.23 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21A0510

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/22/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.62/15.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C/	Carlos Olvera (IPC)	01/22/21	1150
Received by: M	MARIO SANTIESTEBAN (PCL)	1/22/21	1150
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: M	MARIO SANTIESTEBAN	1/22/21	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
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The Client may place services by submitting a written order (if available) to PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or Industrial Consulting services constitutes the client's express assent to be governed by these terms and conditions. No counter or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or otherwise in breach of the agreement) subject to the disclosure required by law or governmental PCL agrees that the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports are information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, fines and any client expenses including, but not limited to attorneys fees, litigation expenses and costs arising in favor of client or any third party, as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of, damage to, or use of, or loss of use of property and or 3. Environmental harm of every kind, if that is the. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether sole or as alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be identified by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, expenses, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of performance of the services. Unless otherwise specified in writing, the price schedule is subject to change at any time without notice. Payment is due in full when services are performed or as invoiced. If credit terms of net 30 days from invoice date have been established with PCL, the client agrees to pay all invoiced sums as stated. Any terms for payment of invoices are NOT contingent upon Client's receipt of payment from any third party. To the fullest extent permitted by law, any amount unpaid 30 days after the invoice date shall bear interest at the lesser of 1.5% per month or the highest rate permitted by law. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred in connection with the collection of any delinquent amount. In the event any payment by client is returned or dishonored for any reason, client will be charged a returned check fee of $30.00 for each occurrence.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be ineffective as to either party unless executed by an officer of each party, or their authorized representative, except that acknowledgement orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports performed by PCL. Client is hiring services from PCL for client's own account, and not as agent, promoter, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the creating, amendment, removal, or extension of any loan from any financial institution or other holder of the certification to or certifying with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to the samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (such as 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 10:51
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0515-01) Collected: 23-Jan-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12304	1.8	23-Jan-21	25-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12304	1.8	23-Jan-21	25-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	23-Jan-21	23-Jan-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12418	0.05	24-Jan-21	24-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21A0515

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/23/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	1/23/21	10:55
Received by: Alex Walker Jr.	Alex Walker Jr (RL)	1/23/21	11:30
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Walker Jr.	JAN 23 2021		1357

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 10:54
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0530-01) Collected: 24-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12417	1.8	24-Jan-21	27-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12417	1.8	24-Jan-21	27-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	24-Jan-21	24-Jan-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12539	0.05	25-Jan-21	25-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21A0530

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/24/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 24 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/24/21	9:54
Received by	Alex Walk Jr	Alex Walk Jr	1/24/21	11:30
Relinquished by				
Received by				
Relinquished by				
Received by		JAN 24 2021		1249

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 10:57
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0548-01) Collected: 25-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12534	1.8	25-Jan-21	27-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12534	1.8	25-Jan-21	27-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12912	0.1	25-Jan-21	25-Jan-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12539	0.05	25-Jan-21	25-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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: 10-Feb-21 10:59
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0573-01) Collected: 26-Jan-21 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12622	1.8	26-Jan-21	28-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12622	1.8	26-Jan-21	28-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12912	0.1	26-Jan-21	26-Jan-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12834	0.05	28-Jan-21	28-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21A0573

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	1/26/21	11:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.77/11.7
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	1/26/21	1300
Received by	MARIO SANTIESTEBAN	1/26/21	1300
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	1/26/21	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
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:01
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0599-01) Collected: 27-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12735	1.8	27-Jan-21	29-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12735	1.8	27-Jan-21	29-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12912	0.1	27-Jan-21	27-Jan-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12834	0.05	28-Jan-21	28-Jan-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 2/10/2021
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.#: 210599

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/27/21	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.28/15.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 27 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	CV	Carlos Alvarez (IPC)	01/27/21	13:00
Received by		Armando Olmos IPCL	1/27/21	13:00
Relinquished by		Armando Olmos (IPCL)	1/27/21	15:05
Received by				
Relinquished by				
Received by		JAN 27 2021		1332

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"These Terms and Conditions" means these Terms and Conditions of Sale (including the Quotation, and any additional or supplemental terms which are agreed to in writing). "Client" means the individual or entity who may request laboratory services, consulting or sampling services and have included, where the context so requires, their representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such may be amended or revised from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under these General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.
The client may order services by submitting a written client authority (LOC) to PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and PCL an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or Subcontract sampling services constitutes the Client's express assent to be governed by these terms and conditions. No omission or additional terms and conditions appearing in a delivery document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client to or collected by and the results prepared by PCL shall be held in confidence unless such information is otherwise available to the public or the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or governmental order. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information when confidential data is stored in PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL is agreed that PCL is not liable in any manner for use of reports, data or information. Client will not disclose to any third party any proprietary processing technical information, software programs, or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, expert reactions, costs and associated expenses including, but not limited to, attorneys fees (on a full indemnity basis) and costs, arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous substances. 1. Force Majeure. Neither party shall be liable for any loss or damage due to failure or delay in rendering any service called for under this agreement resulting directly or indirectly from acts of God, civil or military authority, acts of public enemy, war, accidents, fires, explosions, earthquakes, floods, weather conditions, strikes, lockouts or other labor disputes or any other similar cause beyond the reasonable control of either party. 2. Limit of Liability. In the event PCL is found to be liable following a client complaint, the total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal relieves PCL from any liability in excess of the invoiced amount for the services rendered hereunder any provisions to the contrary in any client purchase orders or contracts. 3. Indemnification. Client agrees to indemnify and hold harmless PCL and its officers, employees, agents, affiliates, successors and assigns from any and all claims, losses, liabilities, damages, expenses, and costs, including attorney's fees and court costs, of every kind and character, arising out of or in connection with the performance of this agreement by PCL, except to the extent finally determined to have resulted from the negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, without limitation, claims brought against PCL by any employee of client, any governmental agency or any other party, whether such claim is based upon statute, regulation, contract, common law or otherwise. 4. Insurance. PCL will maintain in force during the term of this agreement, at its own expense, such insurance coverages as it deems appropriate, including, but not limited to, comprehensive general liability insurance, automobile liability insurance, and professional liability insurance. Upon request, PCL will provide client with certificates of insurance evidencing such coverages. 5. Waiver of Subrogation. PCL and client hereby waive any and all rights of recovery against each other, their officers, employees, agents, and representatives for any loss or damage that is covered by insurance maintained by the waiving party, to the extent of the insurance proceeds actually received. This waiver applies regardless of the cause or origin of the loss or damage, including the negligence of the other party. 6. Limitation of Liability. Except for indemnification obligations and claims arising from gross negligence or willful misconduct, PCL's total liability to client for any and all claims relating to the services provided under this agreement shall not exceed the total amount paid by client to PCL for the services giving rise to the claim. In no event shall PCL be liable for any indirect, special, incidental, or consequential damages, including, without limitation, loss of profits, business interruption, attorney's fees, or other costs, even if PCL has been advised of the possibility of such damages. 7. Governing Law and Jurisdiction. This agreement shall be governed by and construed in accordance with the laws of the State of California, without regard to its conflict of law principles. Any action or proceeding arising out of or relating to this agreement shall be brought exclusively in the state or federal courts located in [County], California, and each party consents to the jurisdiction and venue of such courts. 8. Entire Agreement. This agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all prior or contemporaneous agreements, understandings, and communications, whether oral or written. 9. Amendment. No amendment, modification, or waiver of any provision of this agreement shall be effective unless in writing and signed by both parties. 10. Severability. If any provision of this agreement is held to be invalid or unenforceable, such provision shall be struck and the remaining provisions shall remain in full force and effect. 11. Assignment. Client may not assign this agreement or any of its rights or obligations hereunder without the prior written consent of PCL. PCL may assign this agreement to any affiliate or successor in interest. 12. Notices. All notices under this agreement shall be in writing and delivered to the addresses set forth in the quotation or to such other address as either party may designate in writing. 13. Survival. The provisions of this agreement that by their nature should survive termination or expiration shall survive, including but not limited to confidentiality, indemnification, limitation of liability, and governing law. 14. Counterparts. This agreement may be executed in counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument. 15. Electronic Signatures. Electronic signatures shall be deemed valid and binding to the same extent as original signatures. 16. Dispute Resolution. In the event of any dispute arising out of or relating to this agreement, the parties shall first attempt to resolve the dispute through good faith negotiations. If the dispute cannot be resolved within 30 days, the parties may submit the dispute to mediation before a neutral mediator mutually agreed upon by the parties. 17. Attorneys' Fees. In any action or proceeding to enforce this agreement, the prevailing party shall be entitled to recover its reasonable attorneys' fees and costs in addition to any other relief to which it may be entitled. 18. Time is of the Essence. Time is of the essence with respect to all obligations under this agreement. 19. Waiver of Jury Trial. To the extent permitted by law, each party hereby waives its right to a jury trial in any action or proceeding arising out of or relating to this agreement. 20. Survival of Boilerplate. The boilerplate provisions of this agreement, including but not limited to confidentiality, indemnification, limitation of liability, governing law, and dispute resolution, shall survive the termination or expiration of this agreement.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance of the order. Unless otherwise specified in writing, all prices are exclusive of any taxes and duties, and client shall pay or reimburse PCL for all taxes (except taxes on PCL's income), duties and charges of any kind imposed by any governmental authority on any amounts payable by client under this agreement. Payment terms are net 30 days from the date of invoice. Late payments may be subject to a finance charge of 1.5% per month (18% per annum) or the maximum amount permitted by law, whichever is less. Client shall reimburse PCL for all costs incurred in collecting any overdue amounts, including reasonable attorneys' fees and court costs. PCL reserves the right to withhold services or suspend performance if client's account is past due. PCL may also require payment in advance or upon delivery for new clients or for services that exceed a certain dollar amount. PCL may increase its prices at any time without notice. However, for services for which a quotation has been provided, PCL will honor the quoted prices for a period of 30 days from the date of the quotation, provided that the client accepts the quotation within that period. PCL may also adjust its prices to reflect increases in the cost of materials, labor, or other expenses that are beyond PCL's reasonable control. PCL will provide client with reasonable notice of any such price increases. Client's continued use of the services after the effective date of any price increase shall constitute acceptance of the new prices. If client disputes any invoice, client must notify PCL in writing within 15 days of the invoice date, specifying the basis for the dispute and the amount in dispute. Client shall pay the undisputed portion of the invoice in accordance with the payment terms. The parties shall attempt to resolve any billing disputes promptly and in good faith. Client shall pay all amounts due under this agreement in full, without any deduction, set-off, or withholding, except as required by law. PCL may apply any payments received from client to any outstanding invoices in such order as PCL may determine, regardless of any instructions from client. PCL may also apply any credits or refunds due to client against any amounts owed by client to PCL, whether under this agreement or otherwise. PCL may charge a service fee for any returned checks or failed electronic payments. PCL may suspend or terminate services if client fails to pay any amounts when due. PCL may also require client to provide a deposit or other security before commencing services. PCL may charge interest on any late payments at a rate of 1.5% per month (18% per annum) or the maximum rate permitted by law, whichever is less. Client shall pay all costs and expenses incurred by PCL in collecting any late payments, including reasonable attorneys' fees and court costs. PCL may withhold services or suspend performance if client's account is past due. PCL may also require payment in advance or upon delivery for new clients or for services that exceed a certain dollar amount. PCL may increase its prices at any time without notice. However, for services for which a quotation has been provided, PCL will honor the quoted prices for a period of 30 days from the date of the quotation, provided that the client accepts the quotation within that period. PCL may also adjust its prices to reflect increases in the cost of materials, labor, or other expenses that are beyond PCL's reasonable control. PCL will provide client with reasonable notice of any such price increases. Client's continued use of the services after the effective date of any price increase shall constitute acceptance of the new prices. If client disputes any invoice, client must notify PCL in writing within 15 days of the invoice date, specifying the basis for the dispute and the amount in dispute. Client shall pay the undisputed portion of the invoice in accordance with the payment terms. The parties shall attempt to resolve any billing disputes promptly and in good faith. Client shall pay all amounts due under this agreement in full, without any deduction, set-off, or withholding, except as required by law. PCL may apply any payments received from client to any outstanding invoices in such order as PCL may determine, regardless of any instructions from client. PCL may also apply any credits or refunds due to client against any amounts owed by client to PCL, whether under this agreement or otherwise. PCL may charge a service fee for any returned checks or failed electronic payments. PCL may suspend or terminate services if client fails to pay any amounts when due. PCL may also require client to provide a deposit or other security before commencing services. PCL may charge interest on any late payments at a rate of 1.5% per month (18% per annum) or the maximum rate permitted by law, whichever is less. Client shall pay all costs and expenses incurred by PCL in collecting any late payments, including reasonable attorneys' fees and court costs.

13. Agreement Modification

Changes, additions or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by duly authorized representative. Except for subsequent orders for additional services that be confirm in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that confidential information and reports are not requested or that are used to mislead such, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, or periodic or other reporting to the holders of any securities, including amendment, renewal, or extension of any loan from any financial institution or other lender or the consideration in connection with, or activity or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 14 days or less, samples must arrive within 48 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the laboratory 24 hours before expiration to ensure that the holding time can be met. Short Holding Times of 48 hours or less (such as 15 minutes, 24 hours) require delivery that same day in order to guarantee holding times are met. After-hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are as listed as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:29
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0610-01) Collected: 27-Jan-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AA12823	1	28-Jan-21	28-Jan-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA12822	0.10	28-Jan-21	28-Jan-21	**10.5 mg/l**	
Nitrate as N	EPA 353.2	AA12738	0.05	27-Jan-21	27-Jan-21	**0.26 mg/l**	
Nitrite as N	EPA 353.2	AA12738	0.05	27-Jan-21	27-Jan-21	**0.10 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB10429	1.00	04-Feb-21	05-Feb-21	**13.7 mg/l**	
EFF (Sample I.D.# : 21A0610-02) Collected: 27-Jan-21 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA12824	2	28-Jan-21	02-Feb-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 2/10/2021
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.#: 21A0610

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/27/21	1150	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	01/26/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
JAN 27 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/27/21	13:00
Received by		Armando Olmos IPC	1/27/21	13:00
Relinquished by		Armando Olmos IPC	1/27/21	15:05
Received by				
Relinquished by				
Received by		JAN 27 2021		1428

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto, which are issued to or in writing. "Client" means the individual or entity who may request laboratory services, including or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation of consulting services constitutes the client's express assent to be governed by these terms and conditions. Any contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or on client's behalf and the results obtained by PCL shall be held in confidence unless such information is given to any regulatory agency, or to the public domain or otherwise filed to pay PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that it shall be on its third party-based every of its reports, data or other things. Client will not, and it any third party and shall instruct all using technical information, software, programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent, harmless from and against any and all claims, losses, damages, causes, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees, litigation expenses and experts' fees, asserted by or awarded to a third party, as a result of, or arising in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials. This release or waiver of liability includes claims or damages of any kind or character. This indemnity does not apply to any of the foregoing losses, claims, damages or injuries caused directly by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity is not specifically applicable to lesser claims, damages, actions of every kind and character arising out of the interaction with the negligence of or breach of contract by any Indemnified Person, whether active or passive in the performance of services under this agreement. The foregoing notwithstanding, in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that all indemnity obligations will be supported by evidence of insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental, or consequential damages including without limitation, loss of profit or business interruption. Out of pocket expenses in connection with the services, attorney's fees, court costs, settlement or pre-judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services rendered under this agreement even if such is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or which prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services is completed is required for all new clients or not a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) within thirty (30) days from date of invoices. To the fullest extent permitted or as allowed by applicable law, any amount unpaid to the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. Invoices that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not published, or shall be used to reinformation, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Ascorbic) 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 04-Feb-21 11:49
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21A0608-01) Collected: 27-Jan-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AA12823	1	28-Jan-21	28-Jan-21	**191 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AA12824	2	28-Jan-21	02-Feb-21	**330 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/4/2021
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.#: 21406608

(MCC) INF - Weekly

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	01/26/21	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
JAN 27 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/27/20	13:00
Received by		Armando Olivas (PCL)	1/27/21	13:00
Relinquished by		Armando Olivas (PCL)	1/27/21	15:05
Received by				
Relinquished by				
Received by		JAN 27 2021		1418

Sample Received Checklist

Temperature upon receipt: 4°C ambient

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0647-01) Collected: 28-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12830	1.8	28-Jan-21	30-Jan-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12830	1.8	28-Jan-21	30-Jan-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA12912	0.1	28-Jan-21	28-Jan-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA12922	0.05	29-Jan-21	29-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21A0647

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/24/21	1025	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.50/16.5°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.A.	Carlos Alvarez (APC)	01/24/21	1030
Received by		Armando Olmos (PCL)	1/24/21	17:35
Relinquished by		Armando Olmos (PCL)	1/25/21	15:10
Received by				
Relinquished by				
Received in lab by		JAN 28 2021		1416

Sample Received Checklist

Temperature upon receipt: 4.5

# of bottles agrees with COC?	Yes	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
QH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Held Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries/ No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:06
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0702-01) Collected: 29-Jan-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA12909	1.8	29-Jan-21	01-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA12909	1.8	29-Jan-21	01-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA13009	0.1	29-Jan-21	29-Jan-21	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA13005	0.05	30-Jan-21	30-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21A0702

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	01/29/21	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.8 / 17.9 - C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 29 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	01/29/21	1130
Received by		Cindy Magnuson	1-29-21	11:44
Relinquished by			1-29-21	14:30
Received by		Cindy Magnuson		
Relinquished by				
Received in lab by		JAN 29 2021		14:22

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:08
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0738-01) Collected: 30-Jan-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA13006	1.8	30-Jan-21	02-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA13006	1.8	30-Jan-21	02-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA13014	0.1	30-Jan-21	30-Jan-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA13013	0.05	30-Jan-21	30-Jan-21	**<0.05 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 2190738

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
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	1/30/21	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 30 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	1/30/21	9:50
Received by:	Alex Walkowski	1/30/21	11:00
Relinquished by:			
Received by:			
Relinquished by:			
Received in Lab:	JAN 30 2021		1349

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type	Preservations
(1) Grab Comp	(1) AQ - Water SO - Soil / Sludge OT - Other	(2) P - Plastic G - Amber Glass VOA - 40 ml Vial (3) Coli - bacteria	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 (4) SH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

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

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries- No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21A0761-01) Collected: 31-Jan-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA13130	1.8	31-Jan-21	02-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA13130	1.8	31-Jan-21	02-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	31-Jan-21	31-Jan-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10137	0.05	01-Feb-21	01-Feb-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 2/10/2021
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.#: 21A0761

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF EFF	1/31/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
EFF	1/31/21	9:50	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
JAN 31 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	1/31/21	9:54
Received by		Alex Wallin Jr (PCL)	1/31/21	11:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Wallin Jr	1/31/21	1308

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:13
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0018-01) Collected: 01-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10128	1.8	01-Feb-21	03-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10128	1.8	01-Feb-21	03-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	01-Feb-21	01-Feb-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10238	0.05	02-Feb-21	02-Feb-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 2/10/2021
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.#: 21B0018

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/01/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2/22.5 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/01/21	12:20
Received by		Cindy Mannen	2-1-21	12:20
Relinquished by		Cindy Mannen	2-1-21	15:52
Received by				
Relinquished by				
Received (Lab) by		FEB 01 2021		1428

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 11-Feb-21 16:42
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0022-01) Collected: 01-Feb-21 By Carlos A. of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AB10239	5	02-Feb-21	03-Feb-21	**700 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AB10328	20.0	03-Feb-21	04-Feb-21	**177 mg/l**	
Sulfate as SO4	EPA 300.0	AB10328	10.0	03-Feb-21	04-Feb-21	**111 mg/l**	
Boron	EPA 200.7	AB10224	0.10	02-Feb-21	03-Feb-21	**0.25 mg/l**	
Phosphorus, Total as P	EPA 365.3	AB10611	0.25	06-Feb-21	06-Feb-21	**1.52 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AB10326	0.20	03-Feb-21	03-Feb-21	**0.29 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AB10820	5	08-Feb-21	11-Feb-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 2/11/2021
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.#: 21B0022

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/01/21	1130	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	7.0/21.4-C
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
FEB 01 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	02/01/21	1145
Received by		Cindy M	2-1-21	12:20
Relinquished by		Cindy Mapstead	2-1-21	16:30
Received by				
Relinquished by				
Received in lab by		FEB 01 2021		1457

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered, and otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses to protect its own confidential data and will not be responsible for unauthorized disclosure of said data. Client shall maintain the confidentiality of any reports and information provided exclusively for its exclusive use and benefit. Client agrees it cannot make, shall not do, third party based or use any reports, data or information. Client will not to use the name, trademarks, service mark or trade name of PCL in any form of advertisement, solicitation, proposal or otherwise.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses whatsoever, including, but not limited to, attorneys' fees and court expenses, arising in favor of client, any third party or a governmental agency in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this Agreement and/or transportation, handling or disposal of client's hazardous materials. Injury, disease or death of persons, property damage, loss of, or loss of use of property, sickness, emotional distress, fines, penalties, [illegible] and/or expenses. This indemnity shall not apply to any of the foregoing losses, claims, damages or expenses caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, and liabilities of every kind and character arising out of or in connection with the negligence of or breach of contract by any independent Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage or, at client's discretion, when reasonable, shall be in the maximum amount permitted under applicable law. In no event will PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) whether foreseeable or not, howsoever arising, including without limitation attorney's fees, interest, and/or pre or post judgment interest, or any cost or expense or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if, and/or the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the date of execution or the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (30) days from date of invoice. To the fullest extent permitted by law, any amount owing to PCL and not paid within thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client. Client and representatives waives that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to any holders of any security, the securities, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:15
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0086-01) Collected: 02-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10232	1.8	02-Feb-21	05-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10232	1.8	02-Feb-21	05-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	02-Feb-21	02-Feb-21	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10437	0.05	03-Feb-21	03-Feb-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 2/10/2021
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.#: 21B0086

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/02/21	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.8 / 26.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 02 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Golan Kfir (IPC)	02/02/21	1100
Received by		Cindy Martinez	2-2-21	11:45
Relinquished by		Cindy M	2-2-21	1495
Received by				
Relinquished by				
Received by		FEB 02 2021		1524

Sample Received Checklist

Temperature upon receipt: 4° C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Unit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries! No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:17
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0150-01) Collected: 03-Feb-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10330	1.8	03-Feb-21	05-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10330	1.8	03-Feb-21	05-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	03-Feb-21	03-Feb-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10437	0.05	04-Feb-21	04-Feb-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 2/10/2021
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.#: 21B0150

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02-02-21	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 | 7.7
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name / (Company)	Date	Time
Relinquished by	Julio Leal	2-3-21	7:20
Received by	Cindy	2-3-21	7:20
Relinquished by	Cindy M	2-3-21	17:00
Received by			
Relinquished by			
Received in lab by	FEB 03 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	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 (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 16-Feb-21 10:43
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0173-01) Collected: 03-Feb-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AB10612	1	06-Feb-21	06-Feb-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB10432	0.10	04-Feb-21	04-Feb-21	**2.16 mg/l**	
Nitrate as N	EPA 353.2	AB10515	0.05	04-Feb-21	04-Feb-21	**0.51 mg/l**	
Nitrite as N	EPA 353.2	AB10515	0.05	04-Feb-21	04-Feb-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB11521	0.10	15-Feb-21	16-Feb-21	**2.67 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB10431	2	04-Feb-21	09-Feb-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 2/16/2021
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.#: Z1B0173

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	020321	12:00	1	TSS	Grab	AQ	1L P	4°C	6.8/20.9 °C
			1	Ammonia, TKN	Grab	AQ	500 P	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	2-3-21	2:13
Received by	Cindy Mayorga	2-3-21	213
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	2/3/21	1807

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:31
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21B0172-01) Collected: 03-Feb-21 By Carlos A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB10612	1	06-Feb-21	06-Feb-21	**268 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB10431	2	04-Feb-21	09-Feb-21	**347 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21B0172

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	02/02/21	12:00	1	TSS	Comp	AQ	1L P	4°C	7.0 / 19.5
	"	"	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	2-3-21	2:13
Received by	Cindy Nguyen	2-3-21	2:13
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Mario Santiesteban (RC)	2/3/21	1805

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:20
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0212-01) Collected: 04-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10435	1.8	04-Feb-21	06-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10435	1.8	04-Feb-21	06-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	04-Feb-21	04-Feb-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10606	0.05	05-Feb-21	05-Feb-21	**0.11 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21B0212

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/04/21	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.1/18.2°C
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
FEB 04 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alcaraz (CAC)	02/04/21	11:30
Received by		Cindy Mortimer	2-4-21	11:30
Relinquished by		Cindy M	2-4-21	15:15
Received by				
Relinquished by				
Received in lab by		FEB 04 2021		1439

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:22
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0284-01) Collected: 05-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10516	1.8	05-Feb-21	07-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10516	1.8	05-Feb-21	07-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10607	0.1	05-Feb-21	05-Feb-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10606	0.05	06-Feb-21	06-Feb-21	**0.15 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/10/2021
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.#: 21B0284

Customer: ***VRSD - Ventura Regional Sanitation District*** | Project: ***Daily Coliform: TOT Mobile Hm WTP***

Address: 1001 Partridge Drive Suite 150 | Sampled by: Cindy Mormon | P.O. #: Top-o-Topanga

Ventura CA 93003 | Report Attention: **Jim Buckley** | Phone #: 805-658-4658

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
Wastewater - Contact Chamber Hose Bib	2-5-21	10:30	2	Total & Fecal Coliform	Grab	AQ	Coli	ST	
A phone notification is required as a personal notification;									
or as an urgent contact throughDial Security (for the on-call wastewater treatment operator,									
(805)485-0528 when results above 240MPN/100ml									

RECEIVED
FEB 05 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by	Cindy M	2-5-21	10:30
Relinquished by	Cindy Mormon	2-5-21	1411
Received by			
Relinquished by			
Received in Lab by	FEB 05 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: (Grab) Comp

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

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

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; (ST) - Sodium Thiosulfate; 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 6/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means those Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries cased solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lessor of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 10-Feb-21 11:24
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0330-01) Collected: 06-Feb-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10604	1.8	06-Feb-21	09-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10604	1.8	06-Feb-21	09-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB10724	0.1	06-Feb-21	06-Feb-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10723	0.05	07-Feb-21	07-Feb-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 2/10/2021
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.#: 21B033D

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/6/21	9:25	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	2/6/21	9:50
Received by: Alex Walkowski	Alex Walkowski	2/6/21	11:10
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Walkowski	FEB 06 2021		13:02

Sample Received Checklist

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

Compliance Monitor

Initial Flow: _____
Final Flow: _____

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

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

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

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

16. Holding Times

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 15-Feb-21 14:20
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0344-01) Collected: 07-Feb-21 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AB10722	1.8	07-Feb-21	09-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10722	1.8	07-Feb-21	09-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11308	0.1	07-Feb-21	07-Feb-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10935	0.05	08-Feb-21	08-Feb-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 2/15/2021
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.#: 21B0344

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/7/21	9:52	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	

RECEIVED
FEB 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/7/21	9:56
Received by		Alex Walkup Jr	2/7/21	10:14
Relinquished by				
Received by				
Relinquished by				
Received in lab by		FEB 07 2021		1301

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(G) Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

5. Clients Responsibility

6. Cancellation

7. Overriding Agreement

8. Force Majeure

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries: No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

18. Sample Pick Up/Field Tech Sampling

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

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

Attention: Ric Vardel
Report Date: 15-Feb-21 14:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0360-01) Collected: 08-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10827	1.8	08-Feb-21	12-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10827	1.8	08-Feb-21	12-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11308	0.1	08-Feb-21	08-Feb-21	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB10935	0.05	09-Feb-21	09-Feb-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 2/15/2021
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.#: 21B0360

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Riz 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	02/08/21	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.90/15.4°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 08 2021
By

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cal)	02/08/21	1130
Received by		Armando Olmos (PCL)	2/9/21	12:45
Relinquished by		Armando Olmos (PCL)	2/8/21	14:10
Received by				
Relinquished by				
Received by		FEB 08 2021		1444

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 15-Feb-21 14:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0394-01) Collected: 09-Feb-21 By Golan Kfir of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB10934	1.8	09-Feb-21	12-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB10934	1.8	09-Feb-21	12-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11308	0.1	09-Feb-21	09-Feb-21	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11139	0.05	10-Feb-21	10-Feb-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 2/15/2021
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.#: 21B0394

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/9/21	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.81 AM. 0°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 09 2021
By

Geotracker EDF:
Logcode: IPC
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	2/9/21	17:25
Received by:	Armando Vera (PCL)	2/9/21	17:25
Relinquished by:	Armando Vera (PCL)	2/9/21	15:00
Received by:			
Relinquished by:			
Received by lab by:	FEB 09 2021		15:00

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 15-Feb-21 14:28
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0440-01) Collected: 10-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11034	1.8	10-Feb-21	12-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11034	1.8	10-Feb-21	12-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11308	0.1	10-Feb-21	10-Feb-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11139	0.05	11-Feb-21	11-Feb-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 2/15/2021
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.#: 21B0440

Customer: IPC - Integrated Performance Consultants, Inc.

Project : (MCC) EFF - Daily

Address: 9297 Research Drive, Irvine, CA 92618

Sampled by: Ric Vardel / Golan Kfir

P.O. #:

Report Attention:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/10/21	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.00/14.7°
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAL)	02/10/21	1200
Received by		Amanda Olson (IPC)	2/10/21	12:20
Relinquished by		Amanda Olson (IPC)	2/10/21	14:45
Received by				
Relinquished by				
Received for lab by		FEB 10 2021		1508

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) ~~Comp~~

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

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

Preservations: HC - HCl; HS - 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: 23-Feb-21 10:21
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0447-01) Collected: 10-Feb-21 By CA							
Physical Properties							
Total Suspended Solids	SM2540D	AB11142	1	11-Feb-21	11-Feb-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB11523	0.10	15-Feb-21	15-Feb-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AB11207	0.05	11-Feb-21	11-Feb-21	**0.43 mg/l**	
Nitrite as N	EPA 353.2	AB11207	0.05	11-Feb-21	11-Feb-21	**0.08 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB12218	0.10	22-Feb-21	23-Feb-21	**0.90 mg/l**	
EFF (Sample I.D.# : 21B0447-02) Collected: 09-Feb-21 By CA							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB11136	2	11-Feb-21	16-Feb-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 2/23/2021
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.#: 21B0447

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/10/21	1150	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	02/09/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
FEB 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	02/10/21	1200
Received by		Armando Diaz (PCL)	2/10/21	12:00
Relinquished by		Armando Diaz (PCL)	2/10/21	14:45
Received by				
Relinquished by				
Received in lab by			FEB 10 2021	1525

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 15-Feb-21 14:30
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0472-01) Collected: 11-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11143	1.8	11-Feb-21	13-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11143	1.8	11-Feb-21	13-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11308	0.1	11-Feb-21	11-Feb-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11222	0.05	12-Feb-21	12-Feb-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 2/15/2021
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.#: 21B0472

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/11/21	10:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.03/16.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 11 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	2/11/21	12:15
Received by:	Armando Ornelas IPC	2/11/21	1215
Relinquished by:	Armando Ornelas IPC	2/11/21	14:05
Received by:			
Relinquished by:			
Received for lab by:		FEB 11 2021	1434

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Feb-21 12:23
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21B0495-01) Collected: 11-Feb-21 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB11312	1	13-Feb-21	14-Feb-21	**232 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB11425	2	14-Feb-21	19-Feb-21	**380 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/19/2021
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.#: 21B0495

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	02/11/21	09:30	1	TSS	Comp	AQ	1L P	4°C	
	"	"	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 12 2021
By

Geotracker EDD
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/12/21	12:05
Received by		Ithuriel Ochoa (IPC)	2/12/21	12:05
Relinquished by		"		4:45
Received by				
Relinquished by				
Received (lab) by		FEB 12 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	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: 15-Feb-21 14:33
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0493-01) Collected: 12-Feb-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11223	1.8	12-Feb-21	14-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11223	1.8	12-Feb-21	14-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11308	0.1	12-Feb-21	12-Feb-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11307	0.05	13-Feb-21	13-Feb-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 2/15/2021
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.#: 21B0493

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/12/21	1050	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.77/17.9°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

RECEIVED
FEB 12 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/12/21	1120
Received by		Amanda Olmos (IPC)	2/12/21	1345
Relinquished by		Amanda Olmos (IPC)	2/12/21	1445
Received by				
Relinquished by				
Received at lab by		FEB 12 2021		1454

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 15-Feb-21 15:50
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0504-01) Collected: 13-Feb-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11306	1.8	13-Feb-21	15-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11306	1.8	13-Feb-21	15-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB11318	0.1	13-Feb-21	13-Feb-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11319	0.05	13-Feb-21	13-Feb-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 2/15/2021
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.#: 21B0504

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/13/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	2/13/21	10:00
Received by: Alex Walk Jr.	Alex Walk	2/13/21	1145
Relinquished by:			
Received by:			
Relinquished by:			
Received by: Alex Walk Jr.	FEB 13 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: 22-Feb-21 10:23
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0509-01) Collected: 14-Feb-21 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AB11423	1.8	14-Feb-21	16-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11423	1.8	14-Feb-21	16-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12015	0.1	14-Feb-21	14-Feb-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11529	0.05	15-Feb-21	15-Feb-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 2/22/2021
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.#: 21B0509

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/14/21	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR10000035

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	2/14/21	9:52
Received by	Alex Walker Jr	2/14/21	12:00
Relinquished by			
Received by			
Relinquished by			
Received in lab by		FEB 14 2021	1501

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 22-Feb-21 10:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0525-01) Collected: 15-Feb-21 By MS of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AB11530	1.8	15-Feb-21	18-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11530	1.8	15-Feb-21	18-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12015	0.1	15-Feb-21	15-Feb-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11642	0.05	16-Feb-21	16-Feb-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 2/22/2021
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.#: 21B0525

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/15/21	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.69/20.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	02/15/21	
Received by		MARIO SANTIESTEBAN (PCL)		1435
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	2/15/21	1624

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 22-Feb-21 10:28
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0551-01) Collected: 16-Feb-21 By CM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AB11647	1.8	16-Feb-21	20-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11647	1.8	16-Feb-21	20-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12015	0.1	16-Feb-21	16-Feb-21	**6.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11738	0.05	17-Feb-21	17-Feb-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 2/22/2021
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.#: 2130551

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/16/21	1145	1	pH, T.Res Chlorine	Grab	AQ	500ml Plastic	4°C	6.6 / 18.9 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 16 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/16/21	1155
Received by		Cindy Martinez	2/16/21	13:05
Relinquished by		Cindy M	2/16/21	14:00
Received by				
Relinquished by				
Received in lab by		FEB 16 2021		1353

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 24-Feb-21 10:35
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21B0605-01) Collected: 16-Feb-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB11834	1	18-Feb-21	18-Feb-21	**313 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB11833	2	18-Feb-21	23-Feb-21	**414 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 2/24/2021
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.#: 21B0605

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	022121	00:00	1	TSS	Comp	AQ	1L P	4°C	7.01 / 14.2
COMP	1	1	1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
FEB 17 2021
By

Geotracker EDD.
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	022121	2:05
Received by	Cindy M	2-17-21	2:05
Relinquished by	Cindy Warren	2-17-21	15:45
Received by			
Relinquished by			
Received in lab by		FEB 17 2021	1655

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~
Comp

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

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

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

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

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

Attention: Ric Vardel
Report Date: 22-Feb-21 10:31
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0602-01) Collected: 17-Feb-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11735	1.8	17-Feb-21	19-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11735	1.8	17-Feb-21	19-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12015	0.1	17-Feb-21	17-Feb-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11921	0.05	18-Feb-21	18-Feb-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 2/22/2021
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.#: 21B0602

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/17/21	12:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 19.5
	/	/	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 17 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Julio Lea	02/17/21	2:05
Received by		Cindy Norman	2/17/21	2:05
Relinquished by		Cindy Norman	2/17/21	15:45
Received by				
Relinquished by				
Received at lab by		FEB 17 2021		1644

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 25-Feb-21 12:03
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0604-01) Collected: 17-Feb-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB11834	1	18-Feb-21	18-Feb-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AB11830	0.10	18-Feb-21	18-Feb-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AB11831	0.10	18-Feb-21	18-Feb-21	**1.36 mg/l**	
Nitrite as N	EPA 353.2	AB11831	0.05	18-Feb-21	18-Feb-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB12423	0.10	24-Feb-21	25-Feb-21	**0.71 mg/l**	
EFF (Sample I.D.# : 21B0604-02) Collected: 16-Feb-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB11833	2	18-Feb-21	23-Feb-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 2/25/2021
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.#: 2180604

Customer: [illegible] Project: (MCC) EFF - Monthly

Address: 9297 Research Drive Sampled by: Julio Lara

Irvine CA 92618 Report Attention: Ric Vardel / Gillian Kar

P.O. #:

Phone #: 949-382-5057

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02-17-21	12:45	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7// 17.3
	〃	〃	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
COMP	02-16-21	12:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
FEB 17 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Lara	021721	2:05
Received by	[illegible]	2/17/21	2:05
Relinquished by	Cindy Mayhew	2-17-21	15:45
Received by			
Relinquished by			
Received in lab by		FEB 17 2021	1652

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.

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 22-Feb-21 10:34
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0625-01) Collected: 18-Feb-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11838	1.8	18-Feb-21	20-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11838	1.8	18-Feb-21	20-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12015	0.1	18-Feb-21	18-Feb-21	**6.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB11921	0.05	19-Feb-21	19-Feb-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 2/22/2021
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.#: 2180625

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/18/21	1115	1	pH, T.Res Chlorine	Grab	AQ	500ml Plastic	4°C	6.8/19.4 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
FEB 18 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/18/21	1130
Received by		Cindy Martinez	2-18-21	2:45
Relinquished by		Cindy Martinez	2-18-21	2:40
Received by				
Relinquished by				
Received in lab by		FEB 18 2021		1452

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 24-Feb-21 12:18
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0645-01) Collected: 19-Feb-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB11915	1.8	19-Feb-21	21-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB11915	1.8	19-Feb-21	21-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12015	0.1	19-Feb-21	19-Feb-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12014	0.05	20-Feb-21	20-Feb-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 2/24/2021
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.#: 2130645

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/19/21	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	(	(	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 19 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	02/19/21	1140
Received by		Cindy MaMing	2-19-21	11:40
Relinquished by		Cindy MaMing (PCL)	2-19-21	1220
Received by				
Relinquished by				
Received in lab by		FEB 19 2021		12:20

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

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

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

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

Attention: Ric Vardel
Report Date: 24-Feb-21 12:21
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0666-01) Collected: 20-Feb-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12013	1.8	20-Feb-21	22-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12013	1.8	20-Feb-21	22-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12026	0.1	20-Feb-21	20-Feb-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12023	0.05	20-Feb-21	20-Feb-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 2/24/2021
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.#: 21B0666

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/20/21	9:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 20 2021
By

Geotracker EDD:
Logcode: iPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	2/20/21	9:50
Received by:	Alex Walker Jr.	2/20/21	10:40
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	FEB 20 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	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: 01-Mar-21 12:58
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0673-01) Collected: 21-Feb-21 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AB12125	1.8	21-Feb-21	23-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12125	1.8	21-Feb-21	23-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12711	0.1	21-Feb-21	21-Feb-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12227	0.05	22-Feb-21	22-Feb-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 3/1/2021
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.#: 2180673

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

Project: (MCC) EFF - Daily

Sampled by: Mario Aguirre
Report Attention: Ric Vardel / Golan Kfir

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/21/21	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
FEB 21 2021
B

Geotracker EDD:
Logcode IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/21/21	9:53
Received by		Alex Walk Jr	2/21/21	11:00
Relinquished by				
Received by				
Relinquished by				
Received by		FEB 21 2021		14:01

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 01-Mar-21 13:03
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0687-01) Collected: 22-Feb-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12224	1.8	22-Feb-21	24-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12224	1.8	22-Feb-21	24-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12711	0.1	22-Feb-21	22-Feb-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12339	0.05	23-Feb-21	23-Feb-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 3/1/2021
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.#: 21B0687

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/22/21	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.05/18.32
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 22 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (IPC)	02/22/21	1115
Received by		Armando Olmos (PCL)	2/22/21	12:10
Relinquished by		Armando Olmos (PCL)	2/22/21	14:10
Received by				
Relinquished by				
Received in Lab by		FEB 22 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	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: 01-Mar-21 13:07
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0710-01) Collected: 23-Feb-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12336	1.8	23-Feb-21	25-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12336	1.8	23-Feb-21	25-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12711	0.1	23-Feb-21	23-Feb-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12527	0.05	24-Feb-21	24-Feb-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 3/1/2021
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.#: 21B0710

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/23/21	1120	1	pH, T Res Chlorine	Grab	AQ	500ml Plastic	4°C	7.39 / 20.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	02/23/21	1130
Received by		[illegible]	2/23/21	17:15
Relinquished by		[illegible] (PCL)	2/23/21	14:20
Received by				
Relinquished by				
Received in lab by		FEB 23 2021		13:56

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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: 04-Mar-21 10:41
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21B0739-01) Collected: 23-Feb-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB12530	1	25-Feb-21	25-Feb-21	**267 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB12531	2	25-Feb-21	02-Mar-21	**460 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 3/4/2021
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.#: 2180739

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	02321	00:00	1	TSS	Comp	AQ	1L P	4°C	
	/	/	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
FEB 24 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	02421	17:50
Received by	[illegible] (UPS)	2/24/21	17:50
Relinquished by	Armando Ulmos (PCL)	2/24/21	15:10
Received by			
Relinquished by			
Received in lab by		FEB 24 2021	13:44

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 01-Mar-21 13:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0735-01) Collected: 24-Feb-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12436	1.8	24-Feb-21	26-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12436	1.8	24-Feb-21	26-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12711	0.1	24-Feb-21	24-Feb-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12527	0.05	25-Feb-21	25-Feb-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 3/1/2021
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.#: 21B0735

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	02.24.21	12:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.40 / 21.0°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1	1						

RECEIVED
FEB 24 2021
By

Geotracker EDD:
Logcode: IPC!
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Jiun Lee	02.24.21	17:50
Received by	Armando Amos (PCL)	2/24/21	17:50
Relinquished by	Armando Amos (PCL)	2/24/21	15:40
Received by			
Relinquished by			
Received in lab by		FEB 24 2021	13:32

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 04-Mar-21 10:36
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0740-01) Collected: 24-Feb-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AB12530	1	25-Feb-21	25-Feb-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC10125	0.10	01-Mar-21	01-Mar-21	**0.52 mg/l**	
Nitrate as N	EPA 353.2	AB12534	0.05	25-Feb-21	25-Feb-21	**0.57 mg/l**	
Nitrite as N	EPA 353.2	AB12534	0.05	25-Feb-21	25-Feb-21	**0.06 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AB12610	0.10	26-Feb-21	03-Mar-21	**0.52 mg/l**	
EFF (Sample I.D.# : 21B0740-02) Collected: 23-Feb-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AB12531	2	25-Feb-21	02-Mar-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 3/4/2021
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.#: 21B0740

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(WDR) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	Julio Lesl / Ric Verde / Declan Kirr
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9057

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	02/24/21	12:40	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	
COMP	02/23/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
FEB 24 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Lesl	02/24/21	17:50
Received by	Armando Olmos (PCL)	2/24/21	17:50
Relinquished by	Armando Olmos (PCL)	2/24/21	15:10
Received by			
Relinquished by			
Received at lab by		FEB 24 2021	13:46

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 01-Mar-21 13:13
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0765-01) Collected: 25-Feb-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12533	1.8	25-Feb-21	28-Feb-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12533	1.8	25-Feb-21	28-Feb-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12711	0.1	25-Feb-21	25-Feb-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12611	0.05	26-Feb-21	26-Feb-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 3/1/2021
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.#: 2130765

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	02/25/21	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	F. 36/19.0C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

RECEIVED
FEB 25 2021
B

	Signature	Print Name (Company)	Date	Time
Relinquished by		Golan Kfir (IPC)	02/25/21	12:10
Received by		Armando Olmos (PCL)	2/25/21	1240
Relinquished by		Armando Olmos (PCL)	2/25/21	14:05
Received by				
Relinquished by				
Received in lab by		FEB 25 2021	12:20	

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 08-Mar-21 14:05
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0782-01) Collected: 26-Feb-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12620	1.8	26-Feb-21	02-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12620	1.8	26-Feb-21	02-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12711	0.1	26-Feb-21	26-Feb-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12710	0.05	27-Feb-21	27-Feb-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 3/8/2021
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.#: 21B0782

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Rie 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	02/26/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.76/19.1°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							

RECEIVED
FEB 26 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CEA)	02/26/21	1150
Received by		Armando Olmos (PCL)	2/26/21	12:15
Relinquished by		Armando Olmos (PCL)	2/26/21	15:00
Received by				
Relinquished by				
Received in lab by		FEB 26 2021		13:54

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

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

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0800-01) Collected: 27-Feb-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12708	1.8	27-Feb-21	02-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12708	1.8	27-Feb-21	02-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12830	0.1	27-Feb-21	27-Feb-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12827	0.05	28-Feb-21	28-Feb-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 3/8/2021
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.#: 21B0800

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/27/21	9:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
FEB 27 2021
BY

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	2/27/21	9:50
Received by:	Alex Valdez	2/27/21	2:00
Relinquished by:			
Received by:			
Relinquished by:			
Received (Lab) by:		FEB 27 2021	1401

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	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: 08-Mar-21 14:10
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21B0804-01) Collected: 28-Feb-21 By Mario Aguirre of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AB12829	1.8	28-Feb-21	02-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AB12829	1.8	28-Feb-21	02-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AB12830	0.1	28-Feb-21	28-Feb-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AB12831	0.05	28-Feb-21	28-Feb-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 3/8/2021
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.#: 21B0804

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	2/28/21	9:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 18.0 °C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
"	"	"							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	2/28/21	9:52
Received by		Cindy Martinez	2-28-21	10:20
Relinquished by		Cindy Martinez	2-28-21	11:10
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	2/28/21	11:10

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 08-Mar-21 14:12
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0019-01) Collected: 01-Mar-21 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AC10128	1.8	01-Mar-21	03-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10128	1.8	01-Mar-21	03-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10606	0.1	01-Mar-21	01-Mar-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10338	0.05	02-Mar-21	02-Mar-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 3/8/2021
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: 08-Mar-21 14:21
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0027-01) Collected: 01-Mar-21 By C.A of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AC10240	5	02-Mar-21	03-Mar-21	**612 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AC10231	10.0	02-Mar-21	02-Mar-21	**175 mg/l**	
Sulfate as SO4	EPA 300.0	AC10231	5.0	02-Mar-21	02-Mar-21	**107 mg/l**	
Boron	EPA 200.7	AC10325	0.10	03-Mar-21	04-Mar-21	**0.36 mg/l**	
Phosphorus, Total as P	EPA 365.3	AC10721	0.05	07-Mar-21	07-Mar-21	**0.16 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AC10229	0.08	02-Mar-21	02-Mar-21	**<0.08 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AC10425	5	04-Mar-21	05-Mar-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 3/8/2021
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.#: 21C0027

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/01/21	1135	1	Sulfate, Chloride, TDS ✓	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease ✓	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos ✓	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
MAR 01 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	03/01/21	1310
Received by	MARIO SANTIESTEBAN (PCL)	3/1/21	1310
Relinquished by	MARIO SANTIESTEBAN (PCL)	3/1/21	1440
Received by			
Relinquished by			
Received in lab by	MAR 01 2021		1447

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

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

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

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0044-01) Collected: 02-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10237	1.8	02-Mar-21	04-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10237	1.8	02-Mar-21	04-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10606	0.1	02-Mar-21	02-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10338	0.05	03-Mar-21	03-Mar-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 3/8/2021
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.#: 21C0044

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

Project : (MCC) EFF - Daily

Address: Irvine CA 92618

Sampled by: Golan Kfir

Report Attention: Ric Vardel / Golan Kfir

P.O. #:

Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/2/21	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.57/10.7 °C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli	ST	

RECEIVED
MAR 02 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/2/21	1220
Received by:	MARIO SANTIESTEBAN (PCL)	3/2/21	1220
Relinquished by:	MARIO SANTIESTEBAN (PCL)	3/2/21	1520
Received by:			
Relinquished by:			
Received in lab by:	MAR 02 2021		1348

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 17-Mar-21 10:42
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21C0118-01) Collected: 02-Mar-21 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC10430	1	04-Mar-21	04-Mar-21	**245 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC10433	2	04-Mar-21	09-Mar-21	**410 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 3/17/2021
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.#: Z1C0118

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) INF - Weekly
Address:	9297 Research Drive	Sampled by:	Rio 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	03/02/21	0000	1	TSS	Comp	AQ	1L P	4°C	
			1	BOD	Comp	AQ	1L P	4°C	

RECEIVED
MAR 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	03/03/21	1256
Received by	MACIO SANTIESTEBAN (PCL)	3/3/21	1250
Relinquished by	MACIO SANTIESTEBAN (PCL)	3/3/21	1424
Received by			
Relinquished by			
Received in lab by	MAR 03 2021		15:46

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Mar-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.# : 21C0106-01) Collected: 03-Mar-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10333	1.8	03-Mar-21	06-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10333	1.8	03-Mar-21	06-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10606	0.1	03-Mar-21	03-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10438	0.05	04-Mar-21	04-Mar-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 3/8/2021
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.#: 21C0106

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/03/21	1130	1	pH, T.Res Chlorine	Grab	AQ	500ml Plastic	4°C	7.56 / 16.8°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/03/21	1246
Received by		MARIO SANTIESTEBAN (PCL)	3/3/21	1246
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/3/21	1426
Received by				
Relinquished by				
Received in Lab by		MAR 03 2021		1547

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 10:48
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0119-01) Collected: 03-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC10430	1	04-Mar-21	04-Mar-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC10828	0.10	08-Mar-21	08-Mar-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AC10432	0.05	04-Mar-21	04-Mar-21	**1.47 mg/l**	
Nitrite as N	EPA 353.2	AC10432	0.05	04-Mar-21	04-Mar-21	**0.06 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC10827	0.10	08-Mar-21	09-Mar-21	**1.70 mg/l**	
EFF (Sample I.D.# : 21C0119-02) Collected: 02-Mar-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC10433	2	04-Mar-21	09-Mar-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 3/17/2021
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.#: 21C0119

Customer: IPC - Integrated Performance Consultants, Inc. | Project: (21CO) EFF - Weekly

Address: 9297 Research Drive | Sampled by: C-L | P.O. #:

Irvine CA 92618 | Report Attention: Rob Verdell / Susan Kho | Phone #: 949-380-9057

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/03/21	1130	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	03/02/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/03/21	1250
Received by		MARIO SANTIESTEBAN (PCL)	3/3/21	1250
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/3/21	1425
Received by				
Relinquished by				
Received in lab by		MAR 03 2021		1647

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO - Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 10:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0166-01) Collected: 04-Mar-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10434	1.8	04-Mar-21	06-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10434	1.8	04-Mar-21	06-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10606	0.1	04-Mar-21	04-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10515	0.05	05-Mar-21	05-Mar-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 3/17/2021
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.#: 21C0165

Customer:	IPC - Integrated Performance Consultants, Inc	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9057

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/4/21	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.65/20.2
			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: GK	Golan IPC	3/4/21	1328
Received by:	MARIO SANTIESTEBAN (PCL)	3/4/21	1328
Relinquished by:	MARIO SANTIESTEBAN (PCL)	3/4/21	1531
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN	3/4/21	1531

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule, and any addenda or amendments which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and to its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may place services by submitting a written claim of work by letter, fax or email to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The client's delivery of samples to PCL or initiation of consulting services constitutes the client's express intent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's documents shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), U.S. Watershed (TLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be in use on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site, and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is otherwise available to the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or court process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was maintained. PCL reports and information provided thereunder for the exclusive use and benefit of client and/or ____ agrees that it shall not be third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary computer software, technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, attorneys fees (the "Indemnified Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. illness, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity shall not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees; further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent not expressly under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage as so furnished by client, which insurance shall be of the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profits or business interruption, utilization expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, matters and substances as which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all biohazard analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the invoiced work rendered or such other price and fees contained in writing. The price schedule is subject to change at any time with no notice. Payment is due upon which services is completed or invoiced for all new clients or upon a history of payment and/or credit account has been established with PCL. For PCL clients with an established credit account, the terms for payment of charges are NET CASH within ____ days from date of invoices. To the fullest extent permitted by law, any amount unpaid by the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries in this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any personal or other recourse to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other similar or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analysis are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (i.e. 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times (≤ 48 hours or less (Example: 6 h, 8 hour)) must be delivered that same day in order to guarantee holding times are met. After hours rate delivery, freight company delays or sample issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 10:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0212-01) Collected: 05-Mar-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10523	1.8	05-Mar-21	07-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10523	1.8	05-Mar-21	07-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10606	0.1	05-Mar-21	05-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10605	0.05	06-Mar-21	06-Mar-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 3/17/2021
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.#: 21C0212

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Ric Vardel / Golan Kfir
	Irvine CA 92618	Report Attention:	
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/05/21	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.7/18.9
			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		Carlos Alvarez (IPC)	03/05/21	1144
Received by		MARIO SANTIESTEBAN (PCL)	3/5/21	1144
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/5/21	1324
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/5/21	1324

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 10:57
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0226-01) Collected: 06-Mar-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10604	1.8	06-Mar-21	08-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10604	1.8	06-Mar-21	08-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10719	0.1	06-Mar-21	06-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10615	0.05	06-Mar-21	06-Mar-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 3/17/2021
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.#: 21C0226

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) EFF - Daily	
Address: 9297 Research Drive		Sampled by: Jesus Andes	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/6/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Andes	Jesus Andes (IPC)	3/6/21	9:55
Received by: Alex Walk-Jr	Alex Walk-Jr	3/6/21	12:00
Relinquished by:			
Received by:			
Relinquished by:			
Received for Lab by:	MAR 06 2021		1455

Sample Received Checklist

Temperature upon receipt: 4 °C		
# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 11:01
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0255-01) Collected: 07-Mar-21 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10718	1.8	07-Mar-21	09-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10718	1.8	07-Mar-21	09-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC10726	0.1	07-Mar-21	07-Mar-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10835	0.05	08-Mar-21	08-Mar-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 3/17/2021
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.#: 21C0255

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Mario Aguirre
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/7/21	9:21	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 07 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	3/7/21	9:25
Received by		Alex Walker JR	3/7/21	10:34
Relinquished by				
Received by				
Relinquished by				
Received for lab by		MAR 07 2021		13:02

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 11:03
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0272-01) Collected: 08-Mar-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC10834	1.8	08-Mar-21	10-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC10834	1.8	08-Mar-21	10-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC11305	0.1	08-Mar-21	08-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC10936	0.05	09-Mar-21	09-Mar-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 3/17/2021
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.#: 21C0272

Customer:	iPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	CA
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/04/21	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45 / 12.7°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

RECEIVED
MAR 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olivera (IPC)	03/05/21	17:45
Received by		Armando Olivera (PCL)	3/6/21	17:45
Relinquished by		Armando Olivera (PCL)	3/8/21	16:10
Received by				
Relinquished by				
Received in lab by			MAR 08 2021	1637

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	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: 17-Mar-21 11:07
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0325-01) Collected: 09-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11022	1.8	09-Mar-21	12-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11022	1.8	09-Mar-21	12-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC11305	0.1	09-Mar-21	09-Mar-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11145	0.05	10-Mar-21	10-Mar-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 3/17/2021
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.#: 2100325

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Daily
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/9/21	11:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 09 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/9/21	1420
Received by:	MARIO SANTIESTEBAN (PCL)	3/9/21	1420
Relinquished by:	MARIO SANTIESTEBAN (PCL)	3/9/21	1645
Received by:			
Relinquished by:			
Received in Lab by:	MAR 09 2021		1548

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
(G) Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Mar-21 12:58
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21C0396-01) Collected: 09-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC11144	1	11-Mar-21	18-Mar-21	**281 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC11137	2	11-Mar-21	16-Mar-21	**455 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 3/22/2021
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.#: 21C0396

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	03-9-21	00:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	031021	13:40
Received by	Amanda Olmos (PCL)	3/10/21	13:40
Relinquished by	Amanda Olmos (PCL)	3/10/21	16:05
Received by			
Relinquished by			
Received in lab by	MAR 10 2021		1807

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 11:13
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0388-01) Collected: 10-Mar-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11022	1.8	10-Mar-21	12-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11022	1.8	10-Mar-21	12-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC11305	0.1	10-Mar-21	10-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11145	0.05	11-Mar-21	11-Mar-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 3/17/2021
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.#: 2100388

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Julio Leal
	Irvine - CA 92618	Report Attention:	Ric Vardel / Golan Klir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	031021	12:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.53 / 14.14
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 10 2021
BY Aleshkalb Jr.

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	031021	13:40
Received by	Luke Ojeda (PCL)	3/10/21	13:40
Relinquished by	Armando Olmos (PCL)	3/10/21	16:05
Received by			
Relinquished by			
Received lab by	MAR 10 2021		13:42

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Mar-21 12:56
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0395-01) Collected: 10-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC11144	1	11-Mar-21	18-Mar-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC11533	0.10	15-Mar-21	15-Mar-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AC11131	0.05	11-Mar-21	11-Mar-21	**1.58 mg/l**	
Nitrite as N	EPA 353.2	AC11131	0.05	11-Mar-21	11-Mar-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC11531	0.10	15-Mar-21	16-Mar-21	**1.01 mg/l**	
EFF (Sample I.D.# : 21C0395-02) Collected: 09-Mar-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC11137	2	11-Mar-21	16-Mar-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 3/22/2021
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.#: 2100395

Customer:	[illegible] Integrated Performance Consultants, Inc.	Project:	(MCC) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	Julio Leal
	Irvine CA 92618	Report Attention:	Rin Vardar / Golam Kibir
		P.O. #:	
		Phone #:	949-382-0067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/02/21	12:30	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
			1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	03/09/21	00:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 10 2021
By Aledvalle Jr.

Cubtracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Leal	03/02/21	13:40
Received by	Amando Olmos (PCL)	3/10/21	13:40
Relinquished by	Amando Olmos (PCL)	3/10/21	16:05
Received by			
Relinquished by			
Received in lab by	MAR 10 2021		1903

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 11:30
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0446-01) Collected: 11-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11130	1.8	11-Mar-21	15-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11130	1.8	11-Mar-21	15-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC11305	0.1	11-Mar-21	11-Mar-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11304	0.05	13-Mar-21	13-Mar-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 3/17/2021
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.#: 21C0446

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/11/21	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.93/16.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
MAR 11 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/11/21	14:20
Received by:	Amanda Olmos (PCL)	3/11/21	14:20
Relinquished by:	Amanda Olmos (PCL)	3/11/21	16:40
Received by:			
Relinquished by:			
Received in lab by:	MAR 11 2021		1641

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Mar-21 11:33
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0483-01) Collected: 12-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11216	1.8	12-Mar-21	14-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11216	1.8	12-Mar-21	14-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC11305	0.1	12-Mar-21	12-Mar-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11304	0.05	13-Mar-21	13-Mar-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 3/17/2021
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.#: 2100483

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	3-12-21	11:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.67 / 15.7
	3-12-21	11:55	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
MAR 12 2021
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: ERIC MORRIS	ERIC MORRIS / IPC	3/12/21	12:02
Received by:	Armando Olmos (IPC)	3/12/21	13:55
Relinquished by:	Armando Olmos (IPC)	3/12/21	16:25
Received by:			
Relinquished by:			
Received in lab by:	MAR 12 2021		1652

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Mar-21 13:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0548-01) Collected: 13-Mar-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11311	1.8	13-Mar-21	17-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11311	1.8	13-Mar-21	17-Mar-21	**2.0 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	13-Mar-21	13-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11426	0.05	14-Mar-21	14-Mar-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 3/22/2021
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.#: 2100548

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Jesus Duglas
	Irvine - CA 92618	**Report-Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/13/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Duglas	Jesus Duglas (IPC)	3/13/21	9:55
Received by:	Alex Wang	3/13/21	1300
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MAR 13 2021		1539

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
~~Comp~~

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Mar-21 13:41
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0555-01) Collected: 14-Mar-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11427	1.8	14-Mar-21	16-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11427	1.8	14-Mar-21	16-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	14-Mar-21	14-Mar-21	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11433	0.05	14-Mar-21	14-Mar-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 3/22/2021
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.#: 21C0555

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	3/14/21	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	6.0
	3/14/21	9:56	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 14 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Eric Morris IPC	3-14-21	10:00
Received by	Cindy Ramos	3-14-21	10:47
Relinquished by		3/14/21	11:45
Received by			
Relinquished by			
Received in lab by	MAR 14 2021		11:50

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Mar-21 13:43
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0592-01) Collected: 15-Mar-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11537	1.8	15-Mar-21	19-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11537	1.8	15-Mar-21	19-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	15-Mar-21	15-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11640	0.05	16-Mar-21	16-Mar-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 3/22/2021
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.#: 21C0592

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	03/02/21	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
MAR 15 2021
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan Kfir	03/02	1155
Received by	Cindy Wong	3-15-21	1055
Relinquished by	Cindy Wong	3-15-21	1300
Received by			
Relinquished by			
Received at lab by		MAR 15 2021	1422

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - 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: 22-Mar-21 13:45
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0635-01) Collected: 16-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11637	1.8	16-Mar-21	19-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11637	1.8	16-Mar-21	19-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	16-Mar-21	16-Mar-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11827	0.05	17-Mar-21	17-Mar-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 3/22/2021
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.#: 21C0635

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	3/16/21	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.92/13.3
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C ST	

RECEIVED
MAR 16 2021
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	3/16/21	1515
Received by	MARIO SANTIESTEBAN (PC)	3/16/21	1515
Relinquished by	MARIO SANTIESTEBAN (PC)	3/16/21	1730
Received by			
Relinquished by			
Received in lab by	MAR 16 2021		1601

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Mar-21 16:37
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21C0679-01) Collected: 16-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC12134	1	21-Mar-21	21-Mar-21	**296 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC11828	2	18-Mar-21	23-Mar-21	**424 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 3/28/2021
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.#: 2100679

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	031621	00:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.0
	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
MAR 17 2021
By

Geotracker EDD:
Logcode: IPC1
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	031721	1350
Received by	Cindy M	3-17-21	13:50
Relinquished by	Cindy M	3-17-21	14:58
Received by			
Relinquished by			
Received in lab by	MAR 17 2021		1614

- Sample Received Checklist
  - Temperature upon receipt: 4°C
  - # of bottles agrees with COC? Yes No
  - Samples intact? Yes No
  - Samples properly preserved? Yes No
  - Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type	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: 22-Mar-21 13:47
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0678-01) Collected: 17-Mar-21 By JL of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11732	1.8	17-Mar-21	19-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11732	1.8	17-Mar-21	19-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	17-Mar-21	17-Mar-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11827	0.05	18-Mar-21	18-Mar-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 3/22/2021
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.#: 2100778

Customer: American Water Well Services		Project :	
Address: 33604 Aqua Dulce Canyon		Sampled by: Brian	P.O. #:
Aqua Dulce CA 91350		Report Attention: Randy Alleman / Cindy Alleman	Phone #: 661-252-4460

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
Sandoval - 31948	3/9/21	800	1	Potability: Arsenic, Nitrate, TDS, Fluoride,	Grab	AQ	1/2 Gal.		
Wildhare			1	Total Coli., E.Coli	Grab	AQ	Coli		

RECEIVED
MAR 19 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by	Cindy M	3-19-21	1555
Relinquished by	Cindy M	3/9/21	1555
Received by			
Relinquished by			
Received at lab by			1642

MAR 19 2021

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: 28-Mar-21 16:41
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0680-01) Collected: 17-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC12134	1	21-Mar-21	21-Mar-21	**2 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC12244	0.10	22-Mar-21	23-Mar-21	**0.48 mg/l**	
Nitrate as N	EPA 353.2	AC11830	0.25	18-Mar-21	18-Mar-21	**1.94 mg/l**	
Nitrite as N	EPA 353.2	AC11830	0.05	18-Mar-21	18-Mar-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC12330	0.10	23-Mar-21	24-Mar-21	**1.31 mg/l**	
EFF (Sample I.D.# : 21C0680-02) Collected: 16-Mar-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC11828	2	18-Mar-21	23-Mar-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 3/28/2021
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.#: 2100680

Customer: [illegible]
Project: [illegible]
Address: [illegible]
Sampled by: Julio Lara
P.O. #:
Irvine CA 92618
Report Attention: [illegible]
Phone #: [illegible]

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	031721	12:30	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	7.0
			1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
			1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	03-16-21	09:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 17 2021
By Alex Valle Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Julio Lara	031721	13:30
Received by	Cindy M	3-17-21	13:50
Relinquished by	Cindy M	3-17-21	14:59
Received by			
Relinquished by			
Received in lab by	MAR 17 2021		16:20

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
(Comp)

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Mar-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.# : 21C0726-01) Collected: 18-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11833	1.8	18-Mar-21	20-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11833	1.8	18-Mar-21	20-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	18-Mar-21	18-Mar-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11928	0.05	19-Mar-21	19-Mar-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 3/22/2021
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.#: 210726

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Golan Kfir
	Irvine CA - 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/18/21	11:50	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
MAR 18 2021
By

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/18/21	12:50
Received by:	Cindy M	3/18/21	12:50
Relinquished by:	Cindy M	3/18/21	15:02
Received by:			
Relinquished by:			
Received in lab by:	MAR 18 2021		14:15

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - 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: 24-Mar-21 16:55
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0790-01) Collected: 19-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC11920	1.8	19-Mar-21	23-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC11920	1.8	19-Mar-21	23-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12007	0.1	19-Mar-21	19-Mar-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC11928	0.05	19-Mar-21	19-Mar-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 3/24/2021
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.#: 21C0790

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	3/19/21	16:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.82/18.3°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by:	Golan IPC	3/19/21	16:20
Received by:	MARIA SANTIESTEBAN	3/19/21	1620
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MARIA SANTIESTEBAN (PCL)	3/19/21	1800

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Apr-21 10:15
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0796-01) Collected: 20-Mar-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12006	1.8	20-Mar-21	23-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12006	1.8	20-Mar-21	23-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	20-Mar-21	20-Mar-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12132	0.05	21-Mar-21	21-Mar-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 4/14/2021
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.#: 2100796

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	3/20/21	9:55	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
" "	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	3/20/21	10:00
Received by: Alex Walk Jr	Alex Walk Jr	3/20/21	13:13
Relinquished by:			
Received by:			
Relinquished by:			
Received for Lab by:	MAR 20 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
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-Apr-21 10:22
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0814-01) Collected: 21-Mar-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12131	1.8	21-Mar-21	23-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12131	1.8	21-Mar-21	23-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	21-Mar-21	21-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12245	0.05	22-Mar-21	22-Mar-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 4/14/2021
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.#: 2100814

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	3/21/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	3/21/21	9:50	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		ERIC MORRIS / IPC	3/21/21	9:55
Received by		Alex Walker Jr.	3/21/21	11:15
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MAR 21 2021		1441

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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-Apr-21 10:24
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0824-01) Collected: 22-Mar-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12241	1.8	22-Mar-21	24-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12241	1.8	22-Mar-21	24-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	22-Mar-21	22-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12245	0.05	22-Mar-21	22-Mar-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 4/14/2021
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.#: 21C0824

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	3/22/21	1215	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.38/14.2°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 22 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	3/22/21	1220
Received by	Armando Olmos (PCL)	3/22/21	1225
Relinquished by	Armando Olmos (PCL)	3/22/21	14:40
Received by			
Relinquished by			14:40
Received in lab by	MAR 22 2021		1502 PDT

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ) - Water; SO -Soil / Sludge; OT - Other

Bottle Type: (P) - Plastic; G - Amber Glass; VOA - 40 ml Vial; (Coli) - bacteria

Preservations: HC - HCl; HS - 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-Apr-21 10:32
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0850-01) Collected: 23-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12329	1.8	23-Mar-21	27-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12329	1.8	23-Mar-21	27-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	23-Mar-21	23-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12337	0.05	23-Mar-21	23-Mar-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 4/14/2021
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.#: 21C0850

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	3/23/21	12:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45/19.92
		12:15	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	3/23/21	17:40
Received by	Armando Olmos (PCL)	3/23/21	17:40
Relinquished by	Armando Olmos (PCL)	3/23/21	14:55
Received by			
Relinquished by			
Received in lab by	MAR 23 2021		14:55

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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: 09-Apr-21 16:31
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21C0908-01) Collected: 23-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC12537	1	25-Mar-21	25-Mar-21	**186 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC12538	2	25-Mar-21	30-Mar-21	**445 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/9/2021
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.#: 21C0908

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Kyle Vardel	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	3/23/21	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	〃	〃	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Kyle Vardel (IPC)	3/24/21	1225
Received by		MARIO SANTIESTEBAN (PCL)	3/24/21	1605
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MARIO SANTIESTEBAN (PCL)	3/24/21	1745

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - 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-Apr-21 10:39
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0906-01) Collected: 24-Mar-21 By Kyle Vardel							
Microbiological							
Fecal Coliforms	SM 9221E	AC12530	1.8	24-Mar-21	27-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12530	1.8	24-Mar-21	27-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	24-Mar-21	24-Mar-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12452	0.05	24-Mar-21	24-Mar-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 4/14/2021
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.#: 2106906

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	3/24/21	1220	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.66/13.1
	〃	〃	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	Kyle Vardel (IPC)	3/24/21	1225
Received by	MARIO SANTIESTEBAN (PCL)	3/29/21	1613
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	3/29/21	1745

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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: 09-Apr-21 16:37
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0909-01) Collected: 24-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AC12537	1	25-Mar-21	25-Mar-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AC12934	0.10	29-Mar-21	29-Mar-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AC12535	0.05	25-Mar-21	25-Mar-21	**1.10 mg/l**	
Nitrite as N	EPA 353.2	AC12535	0.05	25-Mar-21	25-Mar-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AC12935	0.10	29-Mar-21	30-Mar-21	**1.51 mg/l**	
EFF (Sample I.D.# : 21C0909-02) Collected: 23-Mar-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC12538	2	25-Mar-21	30-Mar-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 4/9/2021
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.#: 21C0909

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) EFF - Weekly	
Address: 9297 Research Drive		Sampled by: Kyle Vardel	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/24/21	1220	1	TSS	Grab	AQ	1L P	4°C	
	〃	〃	1	Ammonia, TKN	Grab	AQ	500 P	4°C	
	〃	〃	1	Nitrate, Nitrite	Grab	AQ	250 P	4°C	
	3/23/21	2359	1	BOD	Comp	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	3/24/21	1225
Received by	MARIO SANTIESTEBAN (PCL)	3/24/21	1610
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	3/24/21	1745

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the dividend amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is for public release or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL agrees that it shall not sell third party beneficiary of such reports, data or information. Client will not disclose any trade secrets or any information considered by PCL to be proprietary or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, (1) employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities known or unknown, claims, demands, causes of action, losses and associated expenses including, but not limited to, all court fees, cost litigation, expenses and awards arising in favor of client or any third party as a result of, and/or in any way relating, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and consideration, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or use of real or personal property 3. financial loss of every kind of character. This indemnity shall not apply to any of the foregoing losses, costs, damages or expenses caused solely by the active negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to actions, claims or causes of actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnifying Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnifying Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption or litigation expenses in other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or as otherwise provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples material for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid on the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or expenditures associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or results furnished by PCL. Client is securing services exclusively for his own account, and not as agent, consumer, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or received after 2pm (or previously without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (particularly 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Un-necessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Apr-21 10:46
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0927-01) Collected: 25-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12530	1.8	25-Mar-21	27-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12530	1.8	25-Mar-21	27-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	25-Mar-21	25-Mar-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12542	0.05	25-Mar-21	25-Mar-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 4/14/2021
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.#: 21C0927

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/25/21	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	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
MAR 25 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	3/25/21	1350
Received by	MARIO SANTIESTEBAN (RCL)	3/25/21	1350
Relinquished by	MARIO SANTIESTEBAN (RCL)	3/25/21	1507
Received by			
Relinquished by			
Received in lab by	MAR 25 2021		1507

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Apr-21 10:50
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0954-01) Collected: 26-Mar-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12611	1.8	26-Mar-21	29-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12611	1.8	26-Mar-21	29-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12707	0.1	26-Mar-21	26-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12706	0.05	27-Mar-21	27-Mar-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 4/14/2021
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.#: 21C0954

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	032621	1113	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.38/19.5
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	032621	1535
Received by	MARIO SAN ESTEBAN (PCL)	3/26/21	1335
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SAN ESTEBAN (PCL)	3/26/21	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	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Apr-21 10:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0961-01) Collected: 27-Mar-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12705	1.8	27-Mar-21	29-Mar-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12705	1.8	27-Mar-21	29-Mar-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AC12829	0.1	27-Mar-21	27-Mar-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12828	0.05	28-Mar-21	28-Mar-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 4/14/2021
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.#: 2100961

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	3/27/21	9:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	3/27/21	9:55
Received by:	Richard Martinez (PCL)	3/27/21	10:43
Relinquished by:	Richard Martinez (PCL)	3/27/21	13:05
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	3/27/21	1305

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Apr-21 11:14
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C0976-01) Collected: 28-Mar-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC12827	1.8	28-Mar-21	01-Apr-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC12827	1.8	28-Mar-21	01-Apr-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD10305	0.1	28-Mar-21	28-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12943	0.05	29-Mar-21	29-Mar-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 4/14/2021
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.#: 21C0976

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	3/28/21	9:44	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		~~Eric~~ Morris IPC	3/28/21	9:52
Received by		Alex Walker Jr	3/28/21	12:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		MAR 28 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
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-Apr-21 11:18
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C1006-01) Collected: 29-Mar-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC13016	1.8	29-Mar-21	02-Apr-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC13016	1.8	29-Mar-21	02-Apr-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD10305	0.1	29-Mar-21	29-Mar-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC12943	0.05	29-Mar-21	29-Mar-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 4/14/2021
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.#: 21C1006

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Carlos Alvarez
	Irvine - CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	03/29/21	1115	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.69/15.9
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 29 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	03/29/21	Morning
Received by		MARIO SANTIESTEBAN (PCL)	3/29/21	1407
Relinquished by				
Received by				
Relinquished by		MARIO SANTIESTEBAN (PCL)	3/29/21	
Received in lab by		MAR 29 2021		1535

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Apr-21 11:36
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C1039-01) Collected: 30-Mar-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AC13016	1.8	30-Mar-21	02-Apr-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC13016	1.8	30-Mar-21	02-Apr-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD10305	0.1	30-Mar-21	30-Mar-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC13032	0.05	30-Mar-21	30-Mar-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 4/14/2021
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.#: 21C1039

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Golan Kfir
	Irvine - CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/30/21	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	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	3/30/21	1248
Received by:	Richard Martinez	3/30/21	12:48
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	3/30/21	1734

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
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Apr-21 16:35
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21C1095-01) Collected: 30-Mar-21 By M.A. of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD10314	1	03-Apr-21	04-Apr-21	**597 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC13134	2	31-Mar-21	05-Apr-21	**619 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Steve Jefferson 4/9/2021
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.#: 21C1095

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	3/30/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	6.0
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	7.5 / 14.6

RECEIVED
MAR 31 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	3/31/21	12:22
Received by	C-Informatory	3-31-21	12:52
Relinquished by	Cindy M	3-31-21	14:00
Received by			
Relinquished by			
Received in lab by	MAR 31 2021		14:00

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 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-Apr-21 11:38
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C1073-01) Collected: 31-Mar-21 By MA of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AC13128	1.8	31-Mar-21	02-Apr-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AC13128	1.8	31-Mar-21	02-Apr-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AD10305	0.1	31-Mar-21	31-Mar-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AC13143	0.05	31-Mar-21	31-Mar-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 4/14/2021
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.#: 21C1073

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	MA
	Irvine - CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/31/21	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.6/18-4°C
11	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
MAR 31 2021
By

~~Geotracker EDD:~~
Logcode: IPC;
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IPC)	3/31/21	12:22
Received by	Cindy M	3-31-21	12:52
Relinquished by	Cindy Moffett	3/31/21	14:00
Received by			
Relinquished by			
Received in lab by	MAR 31 2021		14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Apr-21 16:40
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21C1093-01) Collected: 31-Mar-21 By JL of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AD10314	1	03-Apr-21	04-Apr-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AD10138	0.10	01-Apr-21	02-Apr-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AD10133	0.05	01-Apr-21	01-Apr-21	**0.52 mg/l**	
Nitrite as N	EPA 353.2	AD10133	0.05	01-Apr-21	01-Apr-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AD10129	0.10	01-Apr-21	02-Apr-21	**0.94 mg/l**	
EFF (Sample I.D.# : 21C1093-02) Collected: 30-Mar-21 By JL of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AC13134	2	31-Mar-21	05-Apr-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 4/9/2021
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.#: 21C1093

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) EFF - Weekly
Address:	9297 Research Drive	Sampled by:	P.O. #:
	Irvine CA 92618	Report Attention: Ric Vanstell / Gulan Kha	Phone #: 949-382-9967

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	3/31/21	12:05	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	7-8/14.9
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
"	3/30/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
MAR 31 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	3/31/21	12:22
Received by		Cindy Mapping	3-31-21	12:52
Relinquished by		Cindy Morton	3-31-21	14:00
Received by				
Relinquished by				
Received in lab by		MAR 31 2021		14:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Malibu Civic Center Wastewater Treatment Facility

First 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

April 30, 2021

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
rinconconsultants.com

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003

805 644 4455 OFFICE AND FAX

info@rinconconsultants.com
www.rinconconsultants.com

April 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: First Quarter 2021 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California

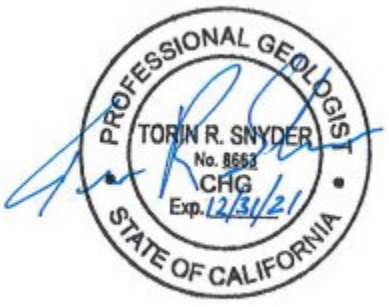
Dear Ms. Bundy:

Rincon Consultants, Inc. has prepared the First 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 First 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 26 day of April 2021 at 9:55 a.m.

Yolanda Rudy
Signature

Environmental Sustainability Director
Title

Table of Contents

1 Introduction 1
2 Background 1
3 Geologic and Hydrogeologic Setting 3
3.1 Hydrology 3
3.2 Geology 3
3.3 Hydrogeology 3
4 Completed Activities During First 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 Second 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 January 2021
Figure 4 Shallow Groundwater Elevations February 2021
Figure 5 Shallow Groundwater Elevations March 2021
Figure 6 The Nitrogen Cycle

Appendices

Appendix A Groundwater and Surface Water Field Sheets
Appendix B Analytical Laboratory Reports

1 Introduction

This report presents the results of groundwater and surface water monitoring activities conducted during the first 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 sixteen groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City of Malibu and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City of Malibu has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen groundwater wells located in the City of Malibu's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109-square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (Department of Water Resources [DWR] groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is composed of non-water-bearing Tertiary age rocks.

Water bearing geologic formations in the Malibu Valley Groundwater Basin include Holocene alluvium, consisting of clays, silts, sands, and gravels overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to about 175 feet in the central part of the main body of the alluvium. The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-

grained estuarine deposits, and 3) an underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 2000, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 20 feet below grade and is deeper in the upland canyon areas.

4 Completed Activities During First Quarter 2021

The following activities were completed during the first quarter of 2021:

- Rincon measured depth to water in groundwater monitoring wells on January 15, February 22, and March 25, 2021 (Task V)
- Rincon collected and analyzed groundwater samples for WDR/MRP (Task II), SNMP (Task III), and MOU (Task IV) compliance on February 23 through 26, 2021
- Rincon collected and analyzed surface water samples for WDR/MRP (Task II) compliance on February 26, 2021

5 Groundwater Elevations and Gradients

During each month of the quarter, Rincon mobilized to 43 groundwater monitoring wells to measure the depth to water using an electronic water level indicator (summarized in the table below; also see Table 1 and Appendix A).

Groundwater Monitoring Locations

Shallow Zone (33 wells)[1]				
C-1	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	M6-1	M6-2
M7-1	M7-2	MBCMW-5[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[3]	SMBRP-10C[4]	SMBRP-12
SMBRP-13	SMBRP-15B[5]	SMBRP-16		
Deep Zone (8 wells)				
MCWP-MW01	MCWP-MW02	MCWP-MW03[6]	MCWP-MW04D	MCWP-MW05
MCWP-MW06	MCWP-MW07D	MCWP-MW09		
Winter Canyon (2 wells)				
LAMW-5S	SMBRP-11			

[1] Two wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

[2] MCBMW-5 was dry during each month of the first quarter of 2021 monitoring period

[3] SMBRP-9 was covered by a parked car and were inaccessible in March 2021

[4] SMBRP-10C was removed during the development of a sidewalk in March 2021

[5] SMBRP-15B has been dry as of the first monitoring event in August 2015

[6] MCWP-MW03 was covered by a parked car and were inaccessible in January and March 2021

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 first quarter of 2021, changes in elevation compared to the fourth quarter of 2020, and historical groundwater elevation range.

Summary of Groundwater Elevations – Shallow Zone

1st Quarter 2021			4th Quarter 2020			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
2.71 (MCWP-MW10)	21.81 (SMBRP-8)	7.35	1.22 (CCPE)	22.09 (SMBRP-8)	7.61	1.09 (CCPE, 05/2020)	25.38 (SMBRP-8, 05/2017)

Changes from January to March 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
17	-1.09 (CCPE)	-0.65	6	1.51 (MCWP-MW07S)	0.71	-0.30

Note: Elevations measured in feet above mean sea level

The shallow groundwater gradient was calculated, and flow direction estimated based on the groundwater elevation data in SMBRP-2, SMBRP-9, and SMBRP-12 (January and February) and SMBRP-2, SMBRP-8, and SMBRP-12 (March; SMBRP-9 was inaccessible during the March monitoring event). Gradients and flow directions are summarized in the table below (Figures 3, 4, and 5).

Summary of Groundwater Gradients

Month	Gradient (feet per foot)	Flow Direction
January	0.0039	South-southeast
February	0.0041	South-southeast
March	0.0077	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 first quarter of 2021, changes in elevation compared to the fourth quarter of 2020, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

1st Quarter 2021			4th Quarter 2020			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
4.40 (MCWP-MW07D)	10.24 (MCWP-MW09)	6.35	5.04 (MCWP-MW07D)	10.76 (MCWP-MW09)	7.05	4.09 (MCWP-MW07D, 12/2017)	11.55 (MCWP-MW09, 12/2015)
Changes from January to March 2021							
Decrease			Increase			Average Change	
# Observed	Maximum	Average	# Observed	Maximum	Average		
8	-1.86 (MCWP-MW02)	-1.04	0	--	--	-1.04	

Note: Elevations measured in feet above mean sea level

5.3 Winter Canyon

Groundwater elevation measurements from each Winter Canyon monitoring well are included in Table 1. The following table summarizes the Winter Canyon groundwater elevation ranges observed in the first quarter of 2021, changes in elevation compared to the fourth quarter of 2020, and historical groundwater elevation ranges.

Summary of Groundwater Elevations – Winter Canyon

1st Quarter 2021			4th Quarter 2020			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
9.38 (SMBRP-11)	47.59 (LAMW-5S)	28.39	9.65 (SMBRP-11)	50.25 (LAMW-5S)	29.58	9.31 (SMBRP-11, 05/2018)	58.65 (LAMW-5S, 03/2019)
Changes from January to March 2021							
Decrease			Increase			Average Change	
# Observed	Maximum	Average	# Observed	Maximum	Average		
2	-0.82 (LAMW-5S)	-0.71	0	–	–	-0.71	

Note: Elevations measured in feet above mean sea level

6 Water Quality Sampling Analysis

This section presents laboratory analytical results for samples collected during the First 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 6.

Surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The laboratory analytical results for the First 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 February 26, 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	72 (N-002)	340 (N-001)	188	MPN/100 mL
Fecal Coliform	0	–	–	–	MPN/100 mL
Nitrate as Nitrogen	0	–	–	–	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	3	0.096 (N-002)	0.53 (N-003)	0.35	mg/L
Ammonia Nitrogen	0	–	–	–	mg/L
Total Kjeldahl Nitrogen	3	0.096 (N-002)	0.53 (N-003)	0.31	mg/L
Total Phosphorous	4	0.077 (N-003)	0.81 (N-001)	0.45	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	17 (L-004)	390 (L-006)	90	MPN/100 mL
Nitrate as Nitrogen	5	0.28 (L-005)	2.0 (L-001)	1.2	mg/L
Nitrite as Nitrogen	0	-	-	-	mg/L
Organic Nitrogen	6	0.31 (L-002)	2.6 (L-006)	0.84	mg/L
Ammonia Nitrogen	0	-	-	-	mg/L
Total Kjeldahl Nitrogen	6	0.31 (L-002)	2.6 (L-006)	0.84	mg/L
Total Phosphorous	6	0.22 (L-005)	0.67 (L-001)	0.46	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.2 Groundwater

A total of sixteen groundwater monitoring wells were sampled during the first quarter of 2021 in accordance with the WDR/MRP (Task II), SNMP (Task III), and MOU (Task IV) monitoring requirements.

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 first 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	14	14	9.7 (MCWP-MW10)	>2,400 (MCWP-MW07D)	533	MPN/ 100 mL
Fecal Coliform	14	11	1.0 (SMBRP-12, MCWP-MW10)	1,100 (MCWP-MW07D)	106	MPN/ 100 mL
Nitrate as Nitrogen	16	13	0.050 (SMBRP-12)	5.7 (SMBRP-9)	1.6	mg/L
Nitrite as Nitrogen	14	2	0.050 (MCWP-MW07D)	0.13 (SMBRP-11)	0.056	mg/L
Organic Nitrogen	14	14	0.068 (MCWP-MW04D)	2.0 (MCWP-MW07D)	0.77	mg/L
Ammonia Nitrogen	14	6	0.039 (MCWP-MW09)	5.5 (SMBRP-12)	0.75	mg/L
Total Kjeldahl Nitrogen	14	14	0.068 (MCWP-MW04D)	6.5 (SMBRP-12)	1.5	mg/L
Total Phosphorous	14	14	0.019 (MBCMW-9)	2.3 (LAMW-5S)	0.29	mg/L
Total Dissolved Solids	11	11	170 (MCWP-MW07D)	4,900 (MCWP-MW04S)	1,788	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. The notes column of the analytical reports also has the QC flags. Any issues that are not covered by the qualifier flags (definitions page found below the analytical tables), are addressed as part of the case narrative.

7 Scheduled Activities for the Second Quarter of 2021

The following activities will be completed during the Second Quarter of 2021:

- Prepare and submit the First 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 April, May, and June 2021 (Task V)

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the first quarter of 2021, groundwater elevations decreased in 74 percent of shallow wells (17 out of 23 wells) and in every deep and Winter Canyon well, with an average change of -0.50 feet.

8.2 Surface Water Quality

The maximum total coliform concentration in the Near Shore was detected at 340 MPN/100 mL in N-001. Total coliform concentrations exceeded the upper detection limit of 2,400 MPN/100 mL in all six samples collected in Malibu Lagoon and Creek. Surface water samples showed an overall decrease of total coliform compared to the fourth quarter of 2020, with an average decrease of 501 MPN/100 mL.

Fecal coliform concentrations were not detected in any Near Shore samples, similar to the fourth quarter of 2020. In Malibu Lagoon and Creek locations, fecal coliform concentrations averaged 90 MPN/100 mL, a decrease from the average from the fourth quarter of 2020 (162 MPN/100 mL). The highest detected fecal coliform concentration was 390 MPN/100 mL (L-006).

Nitrate as nitrogen and nitrite as nitrogen were not detected in any Near Shore surface water samples. Nitrate as nitrogen was detected in five Malibu Lagoon and Creek samples, with the maximum concentration detected at L-001 (2.0 mg/L). Organic nitrogen averaged 0.35 mg/L in Near Shore samples and 0.84 mg/L in Malibu Lagoon and Creek samples. When compared to the fourth quarter of 2020, organic nitrogen concentrations had an average increase of 0.24 mg/L in the Near Shore samples and an average decrease of 0.04 mg/L in the Malibu Lagoon and Creek samples.

Phosphorous concentrations increased with an average concentration of 0.46 mg/L compared to the average concentration of 0.31 mg/L observed in the fourth quarter of 2020.

8.3 Groundwater Quality

When comparing analytical results from the fourth quarter of 2020 to the first quarter of 2021, note that sixteen groundwater monitoring wells were sampled during the first quarter of 2021 (Task II, III, and IV), and seven wells were sampled during the fourth quarter of 2020 (Task II). Of these same seven wells sampled during these two periods, total coliform increased in five monitoring wells and decreased in two monitoring wells, with an average increase of 490 MPN/100 mL compared to the fourth quarter of 2020. Fecal coliform concentrations increased in three wells, decreased in one well, and remained below the RDL in three wells, with an average increase of 182 MPN/100 mL compared to the fourth quarter of 2020.

When compared to the fourth quarter of 2020, nitrate concentrations increased in three wells, decreased in two wells, and remained below the RDL in two wells, with an average decrease of 0.25 mg/L compared to the fourth quarter of 2020.

When compared to the fourth quarter of 2020, average TDS concentrations in groundwater samples increased from an average of 1,306 mg/L to 1,788 mg/L in the first 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	1/15/2021	11.47	6.16	5.31
C-1	2/22/2021	11.47	7.26	4.21
C-1	3/25/2021	11.47	6.90	4.57
C-2	1/15/2021	11.19	5.88	5.31
C-2	2/22/2021	11.19	7.00	4.19
C-2	3/25/2021	11.19	6.80	4.39
CCPE	1/15/2021	12.94	7.26	5.68
CCPE	2/22/2021	12.94	8.58	4.36
CCPE	3/25/2021	12.94	8.35	4.59
CCPNE	1/15/2021	13.68	7.90	5.78
CCPNE	2/22/2021	13.68	8.93	4.75
CCPNE	3/25/2021	13.68	8.79	4.89
CCPSW	1/15/2021	13.67	7.83	5.84
CCPSW	2/22/2021	13.67	8.56	5.11
CCPSW	3/25/2021	13.67	8.45	5.22
CCW-4	1/15/2021	15.77	6.49	9.28
CCW-4	2/22/2021	15.77	6.14	9.63
CCW-4	3/25/2021	15.77	6.10	9.67
GH6-M1	1/15/2021	-	28.22	-
GH6-M1	2/22/2021	-	28.47	-
GH6-M1	3/25/2021	-	28.62	-
GH8-M3	1/15/2021	-	27.70	-
GH8-M3	2/22/2021	-	27.87	-
GH8-M3	3/25/2021	-	28.01	-
M6-1	1/15/2021	-	6.85	-
M6-1	2/22/2021	-	7.00	-
M6-1	3/25/2021	-	6.95	-
M6-2	1/15/2021	-	5.85	-
M6-2	2/22/2021	-	5.52	-
M6-2	3/25/2021	-	5.40	-
M7-1	1/15/2021	-	8.38	-
M7-1	2/22/2021	-	12.49	-
M7-1	3/25/2021	-	8.33	-
M7-2	1/15/2021	-	7.99	-
M7-2	2/22/2021	-	7.67	-
M7-2	3/25/2021	-	7.63	-
MBCMW-5	1/15/2021	19.40	Dry	-
MBCMW-5	2/22/2021	19.40	Dry	-
MBCMW-5	3/25/2021	19.40	Dry	-
MBCMW-7	1/15/2021	16.64	11.29	5.35
MBCMW-7	2/22/2021	16.64	11.88	4.76
MBCMW-7	3/25/2021	16.64	11.95	4.69
MBCMW-8	1/15/2021	16.53	8.59	7.94
MBCMW-8	2/22/2021	16.53	8.17	8.36
MBCMW-8	3/25/2021	16.53	7.90	8.63
MBCMW-9	1/15/2021	17.71	8.26	9.45
MBCMW-9	2/22/2021	17.71	8.03	9.68
MBCMW-9	3/25/2021	17.71	7.99	9.72

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	1/15/2021	17.74	8.61	9.13
MBCMW-10	2/22/2021	17.74	9.44	8.30
MBCMW-10	3/25/2021	17.74	9.62	8.12
MCWP-MW04S	1/15/2021	15.29	7.18	8.11
MCWP-MW04S	2/22/2021	15.29	6.76	8.53
MCWP-MW04S	3/25/2021	15.29	6.40	8.89
MCWP-MW07S	1/15/2021	13.72	7.74	5.98
MCWP-MW07S	2/22/2021	13.72	6.10	7.62
MCWP-MW07S	3/25/2021	13.72	6.23	7.49
MCWP-MW08	1/15/2021	12.21	8.34	3.87
MCWP-MW08	2/22/2021	12.21	8.99	3.22
MCWP-MW08	3/25/2021	12.21	8.85	3.36
MCWP-MW10	1/15/2021	11.11	7.48	3.63
MCWP-MW10	2/22/2021	11.11	8.40	2.71
MCWP-MW10	3/25/2021	11.11	8.17	2.94
P-4	1/15/2021	12.16	6.47	5.69
P-4	2/22/2021	12.16	7.65	4.51
P-4	3/25/2021	12.16	7.45	4.71
P-9	1/15/2021	12.17	6.73	5.44
P-9	2/22/2021	12.17	7.90	4.27
P-9	3/25/2021	12.17	7.70	4.47
SMBRP-2	1/15/2021	13.13	8.33	4.80
SMBRP-2	2/22/2021	13.13	9.05	4.08
SMBRP-2	3/25/2021	13.13	8.86	4.27
SMBRP-6	1/15/2021	26.88	14.67	12.21
SMBRP-6	2/22/2021	26.88	14.76	12.12
SMBRP-6	3/25/2021	26.88	14.80	12.08
SMBRP-7B	1/15/2021	18.99	11.20	7.79
SMBRP-7B	2/22/2021	18.99	11.38	7.61
SMBRP-7B	3/25/2021	18.99	11.67	7.32
SMBRP-8 (EC1-RC-MW01)	1/15/2021	48.69	27.37	21.32
SMBRP-8 (EC1-RC-MW01)	2/22/2021	48.69	26.88	21.81
SMBRP-8 (EC1-RC-MW01)	3/25/2021	48.69	27.47	21.22
SMBRP-9	1/15/2021	50.32	36.89	13.43
SMBRP-9	2/22/2021	50.32	37.08	13.24
SMBRP-9	3/25/2021	50.32	Parked Over	-
SMBRP-10C	1/15/2021	16.25	6.68	9.57
SMBRP-10C	2/22/2021	16.25	6.22	10.03
SMBRP-10C	3/25/2021	16.25	Removed	-
SMBRP-12	1/15/2021	12.62	7.07	5.55
SMBRP-12	2/22/2021	12.62	7.70	4.92
SMBRP-12	3/25/2021	12.62	7.43	5.19
SMBRP-13	1/15/2021	13.58	7.95	5.63
SMBRP-13	2/22/2021	13.58	8.68	4.90
SMBRP-13	3/25/2021	13.58	8.35	5.23
SMBRP-15B	1/15/2021	16.77	Dry	-
SMBRP-15B	2/22/2021	16.77	Dry	-
SMBRP-15B	3/25/2021	16.77	Dry	-
SMBRP-16	1/15/2021	14.50	4.84	9.66
SMBRP-16	2/22/2021	14.50	4.42	10.08
SMBRP-16	3/25/2021	14.50	4.20	10.30

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	1/15/2021	17.90	10.34	7.56
MCWP-MW01	2/22/2021	17.90	11.30	6.60
MCWP-MW01	3/25/2021	17.90	11.50	6.40
MCWP-MW02	1/15/2021	18.06	10.51	7.55
MCWP-MW02	2/22/2021	18.06	12.45	5.61
MCWP-MW02	3/25/2021	18.06	12.37	5.69
MCWP-MW03	1/15/2021	15.31	8.03	7.28
MCWP-MW03	2/22/2021	15.31	8.68	6.63
MCWP-MW03	3/25/2021	15.31	Parked Over	-
MCWP-MW04D	1/15/2021	15.43	9.50	5.93
MCWP-MW04D	2/22/2021	15.43	10.46	4.97
MCWP-MW04D	3/25/2021	15.43	10.67	4.76
MCWP-MW05	1/15/2021	13.92	7.65	6.27
MCWP-MW05	2/22/2021	13.92	8.60	5.32
MCWP-MW05	3/25/2021	13.92	8.65	5.27
MCWP-MW06	1/15/2021	16.05	10.04	6.01
MCWP-MW06	2/22/2021	16.05	10.72	5.33
MCWP-MW06	3/25/2021	16.05	10.83	5.22
MCWP-MW07D	1/15/2021	13.21	7.85	5.36
MCWP-MW07D	2/22/2021	13.21	8.52	4.69
MCWP-MW07D	3/25/2021	13.21	8.81	4.40
MCWP-MW09	1/15/2021	16.30	6.06	10.24
MCWP-MW09	2/22/2021	16.30	6.80	9.50
MCWP-MW09	3/25/2021	16.30	6.75	9.55

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	1/15/2021	104.55	56.96	47.59
LAMW-5S	2/22/2021	104.55	57.36	47.19
LAMW-5S	3/25/2021	104.55	57.78	46.77
SMBRP-11	1/15/2021	18.35	8.37	9.98
SMBRP-11	2/22/2021	18.35	8.91	9.44
SMBRP-11	3/25/2021	18.35	8.97	9.38

Notes:

Elevations measured in feet above mean sea level

Two shallow wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event and MBCMW-6 was removed following grading activities in 2019

-: No data available

TOC: Top of well casing

ft bTOC: Feet below top of well casing

NM: Depth to water was not measured; groundwater monitoring well was not accessible

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis[1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11*[2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ (TDS only)	-	-	-	✓ (TDS only)	✓ (TDS only)	✓ (TDS only)
Biological Oxygen Demand (BOD)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Turbidity (includes color and odor)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Total Suspended Solids	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Residual Chlorine	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Total Organic Carbon	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Oil and Grease	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Nitrate and Nitrite as Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Organic Nitrogen (calculation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Total Nitrogen (includes TKN)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, nickel, selenium, thallium)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Asbestos	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Cyanide	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Perchlorate	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Fluoride	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Combined Radium-226 and Radium-228	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Gross Alpha and Beta Particle Activity	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Tritium	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Strontium-90	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Uranium	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Volatile Organic Compounds (EPA Method 524.2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB) (EPA Method 504.1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis[1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11*[2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
Constituents listed in Attachments A1 to A5 of MRP CI 10042 (Long-Term sampled annually)																
Chlordane, Endrin, Heptachlor, Heptachlor Epoxide, Hexachlorobenzene, Hexachloro-cyclopentadiene, Lindane, Methoxychlor, Polychlorinated Biphenyls, Toxaphene (EPA Method 505)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Alachlor, Atrazine, Simazine (EPA Method 507)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Bentazon, 2,4-D, Dalapon, Dinoseb, Pentachlorophenol, Picloram, 2,4,5-TP (Silvex) (EPA Method 515.3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Benzo(a)pyrene, Di(2-ethylhexyl)adipate, Di(2-ethylhexyl)phthalate, Molinate, Thiobencarb (EPA Method 525.2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Carbofuran, Oxamyl (EPA Method 531.1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Glyphosate (EPA Method 547)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Endothall (EPA Method 548.1)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Diquat (EPA Method 549.2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
2,3,7,8-TCDD (Dioxin) (EPA Method 1613)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Trihalomethanes	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Haloacetic Acids	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Bromate	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Chlorite	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Metals (aluminum, copper, iron, manganese, silver, zinc) (included in metals above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Color and Odor (included in turbidity above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Foam agents (MBAS) (included above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Methyl-tert-butyl ether (MTBE) (included in VOCs above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Thiobencarb (included in EPA Method 525.2 above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Constituents of Emerging Concern in Attachment C of MRP CI 10042 (Long-Term sampled annually)																
17β-Estradiol	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Caffeine	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
n-Nitrosodimethylamine (NDMA)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Triclosan	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
n,n-Diethyl-meta-toluamide (DEET)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Sucralose	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis[1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11*[2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
Priority Pollutants listed in Attachment D of MRP CI 10042 (Long-Term sampled annually)																
Metals (antimony, arsenic, barium, beryllium, cadmium, chromium (III), copper, lead, mercury, nickel, selenium, silver, thallium, zinc) (included above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Chromium VI	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Cyanide (included above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Asbestos (included above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
2,3,7,8-TCDD (included above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Volatile Organic Compounds (EPA Method 624)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Semivolatile Organic Compounds (EPA Method 625)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Pesticides (EPA Method 625)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Polychlorinated Biphenyls (included above)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-

Surface Water	Long-Term (Task II)									
	Near Shore Ocean				Malibu Lagoon and Creek					
Laboratory Analysis (quarterly)	*N-001*	*N-002*	*N-003*	*N-004*	*L-001*	*L-002*	*L-003*	*L-004*	*L-005*	*L-006*
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:

Task II: Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area
Task III: Salt and Nutrient Management Plan (SNMP) Monitoring Program
Task IV: Memorandum of Understanding (MOU) Compliance Monitoring

[1]: Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of Long-Term Groundwater Monitoring samples collected for a given quarter may be reduced from nine (9) to seven (7) groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds, per page 12 and 13 of the Monitoring and Reporting Program (MRP) No. CI 10042

[2]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

✓: Laboratory analysis completed

- : Sampling & analysis not required

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100 mL)		Inorganic Analysis (mg/L)					
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Organic Nitrogen	Ammonia Nitrogen	Kjeldahl Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	2/26/2021	= **340**	< 1.0	< 0.10	< 5.0	-	< 0.10	< 0.40	= **0.81**
Near Shore	Ankle Depth	N-002	2/26/2021	= **72**	< 1.0	< 0.10	< 5.0	= **0.096**	< 0.10	= **0.096 J**	= **0.66**
Near Shore	Ankle Depth	N-003	2/26/2021	= **180**	< 1.0	< 0.10	< 5.0	= **0.53**	< 0.10	= **0.53**	= **0.077**
Near Shore	Ankle Depth	N-004	2/26/2021	= **160**	< 1.0	< 0.10	< 5.0	= **0.41**	< 0.10	= **0.41**	= **0.27**
Malibu Lagoon and Creek	1 foot BSW	L-001	2/26/2021	> **2,400**	= **57**	= **2.0**	< 1.0	= **0.75**	< 0.10	= **0.75**	= **0.67**
Malibu Lagoon and Creek	1 foot BSW	L-002	2/26/2021	> **2,400**	= **34**	= **1.8**	< 2.0	= **0.31**	< 0.10	= **0.31 J**	= **0.60**
Malibu Lagoon and Creek	1 foot BSW	L-003	2/26/2021	> **2,400**	= **18**	= **1.6**	< 2.0	= **0.44**	< 0.10	= **0.44**	= **0.49**
Malibu Lagoon and Creek	1 foot BSW	L-004	2/26/2021	> **2,400**	= **17**	= **1.5**	< 5.0	= **0.55**	< 0.10	= **0.55**	= **0.50**
Malibu Lagoon and Creek	1 foot BSW	L-005	2/26/2021	> **2,400**	= **23**	= **0.28**	< 5.0	= **0.39**	< 0.10	= **0.39 J**	= **0.22**
Malibu Lagoon and Creek	1 foot BSW	L-006	2/26/2021	> **2,400**	= **390**	< 0.10	< 5.0	= **2.6**	< 0.10	= **2.6**	= **0.26**

Notes:

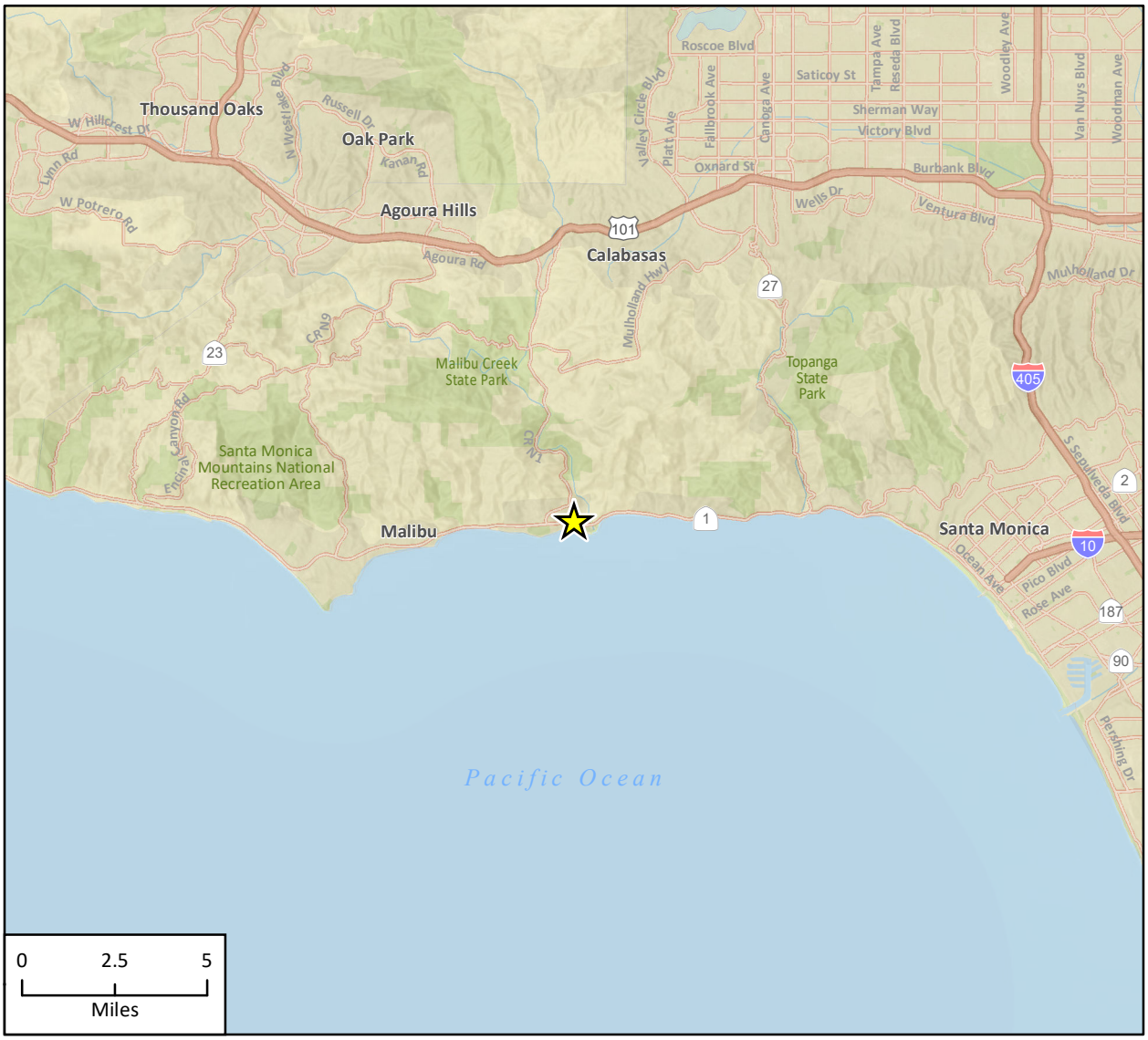
bold: Constituent detected above Reporting Detection Limit (RDL)
=: Constituent detected at reported concentration
<: Constituent not detected above the RDL
>: Constituent detected above the laboratory upper detection limit
BSW: Below surface of water
J: Estimated value; the consituent was detected above 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	2/23/2021	= **74**	= **2.0**	= **4.4**	< 0.10	= **0.70**	= **2.0**	= **2.7**	= **7.1**	= **2.3**	-	-	= **-**	-
SMBRP-7B	25	2/23/2021	= **61**	= **3.0**	= **0.92**	< 0.10	= **0.69**	< 0.10	= **0.69**	= **1.6**	= **0.022**	-	-	= **-**	-
SMBRP-9	45	2/24/2021	= **27**	< 1.0	= **5.7**	< 0.10	= **0.27**	< 0.10	= **0.27 J**	= **6.0**	= **0.075**	= **0.62**	= **200**	= **1,200**	= **140**
SMBRP-11	20	2/23/2021	= **65**	= **4.1**	= **2.1**	= **0.13**	= **0.73**	= **0.97**	= **1.7**	= **3.9**	= **0.028**	**-**	-	= **-**	**-**
SMBRP-12	25	2/23/2021	= **980**	= **1.0**	= **0.050 J**	< 0.10	= **1.0**	= **5.5**	= **6.5**	= **6.6**	= **0.32**	= **0.64**	= **320**	= **1,800**	= **310**
SMBRP-13	19	2/23/2021	= **520**	= **11**	= **0.46**	< 0.10	= **0.74**	< 0.10	= **0.74**	= **1.2**	= **0.39**	-	-	= **-**	-
MBCMW-9	9.0	2/23/2021	= **53**	= **140**	< 0.10	< 0.10	= **1.6**	< 0.10	= **1.6**	= **1.6**	= **0.019 J**	-	-	= **-**	-
MCWP-MW04S	20	2/23/2021	= **170**	= **3.1**	= **1.6**	< 0.10	= **1.1**	< 0.10	= **1.1**	= **2.7**	= **0.37**	= **1.6**	= **2,500**	= **4,900**	= **510**
MCWP-MW04D	145	2/24/2021	= **2,400**	< 1.0	= **1.3**	< 0.10	= **0.068**	< 0.10	= **0.068 J**	= **1.4**	= **0.047**	= **0.82**	= **540**	= **1,500**	= **230**
MCWP-MW05	154	2/25/2021	-	-	= **1.9**	-	-	-	-	-	-	-	-	= **1,300**	-
MCWP-MW06	138	2/26/2021	-	-	< 0.10	-	-	-	-	-	-	-	-	= **1,400**	-
MCWP-MW07S	20	2/23/2021	= **200**	= **190**	= **4.5**	< 0.10	= **0.43**	= **0.23**	= **0.66**	= **5.2**	= **0.18**	= **0.39**	= **270**	= **1,200**	= **200**
MCWP-MW07D	134	2/23/2021	> **2,400**	= **1,100**	< 0.10	= **0.050 J**	= **2.0**	= **1.3**	= **3.3**	= **3.4**	= **0.15**	= **0.059**	= **17**	= **170**	= **19**
MCWP-MW09	89	2/23/2021	= **170**	< 1.0	= **1.0**	< 0.10	= **0.51**	= **0.039**	= **0.55**	= **1.6**	= **0.057**	= **0.71**	= **490**	= **1,700**	= **410**
MCWP-MW10	22	2/26/2021	= **9.7**	= **1.0**	= **0.82**	< 0.10	= **0.28**	< 0.10	= **0.28 J**	-	= **0.044**	-	-	= **1,800**	-
CCPE	53	2/25/2021	= **330**	= **24**	= **0.97**	< 0.10	= **0.67**	< 0.10	= **0.67**	-	= **0.082**	-	-	= **2,700**	-

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
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL

Figures



Project Location

N

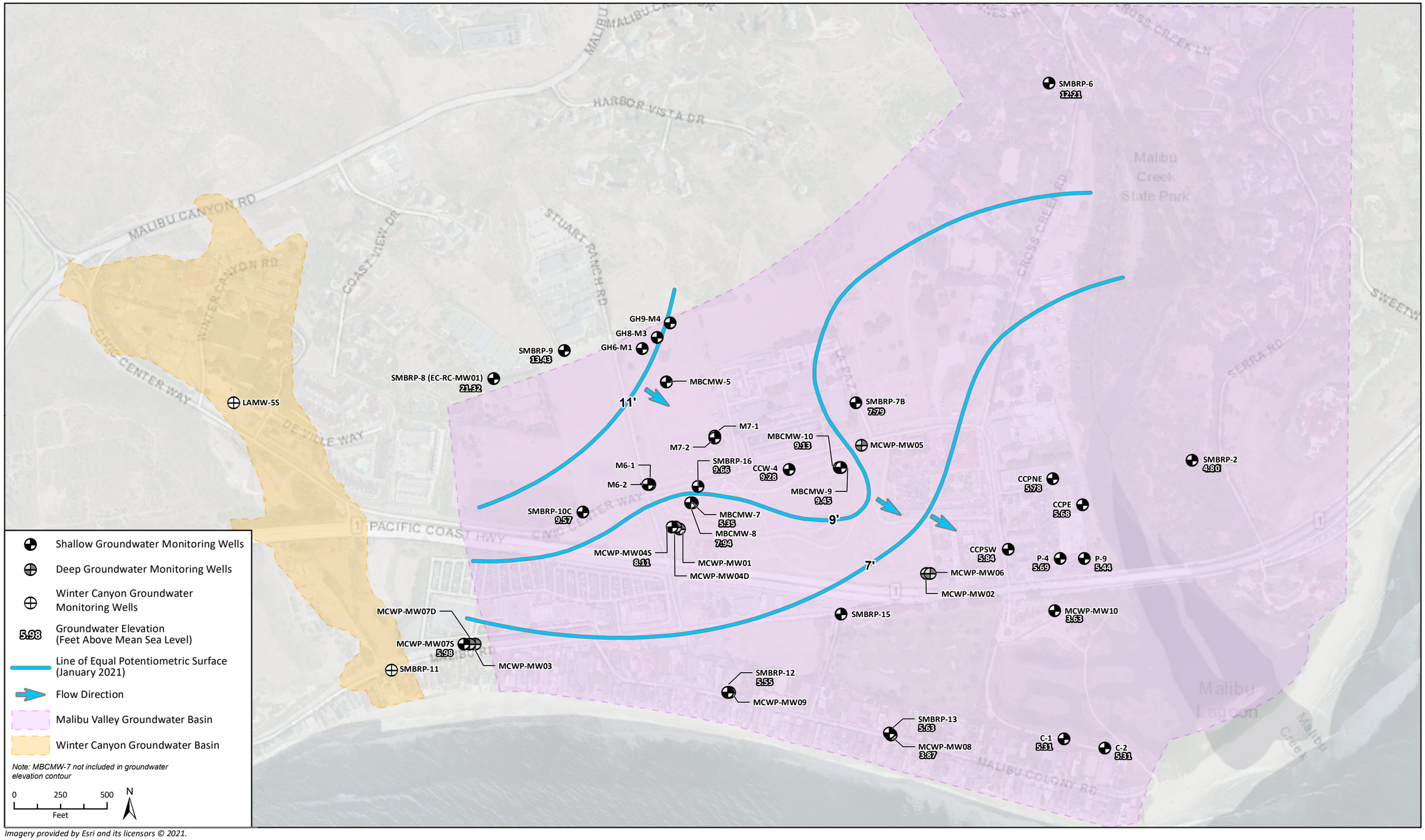
Vicinity Map

Figure 1

Imagery provided by Esri and its licensors © 2021.

Site Map - Monitoring Network

Figure 2

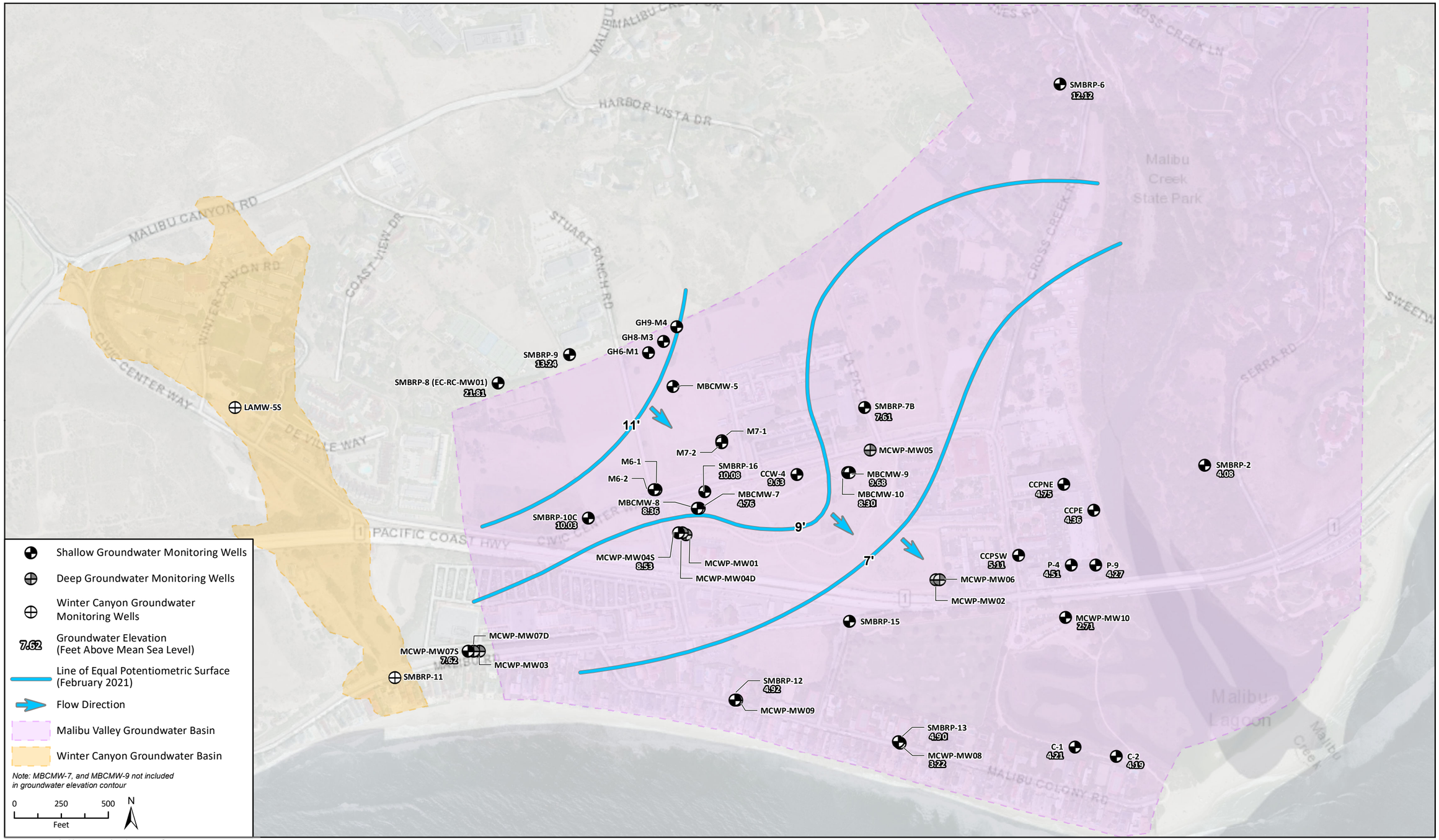


Imagery provided by Esri and its licensors © 2021.

Shallow Groundwater Elevation - January 2021

Figure 3

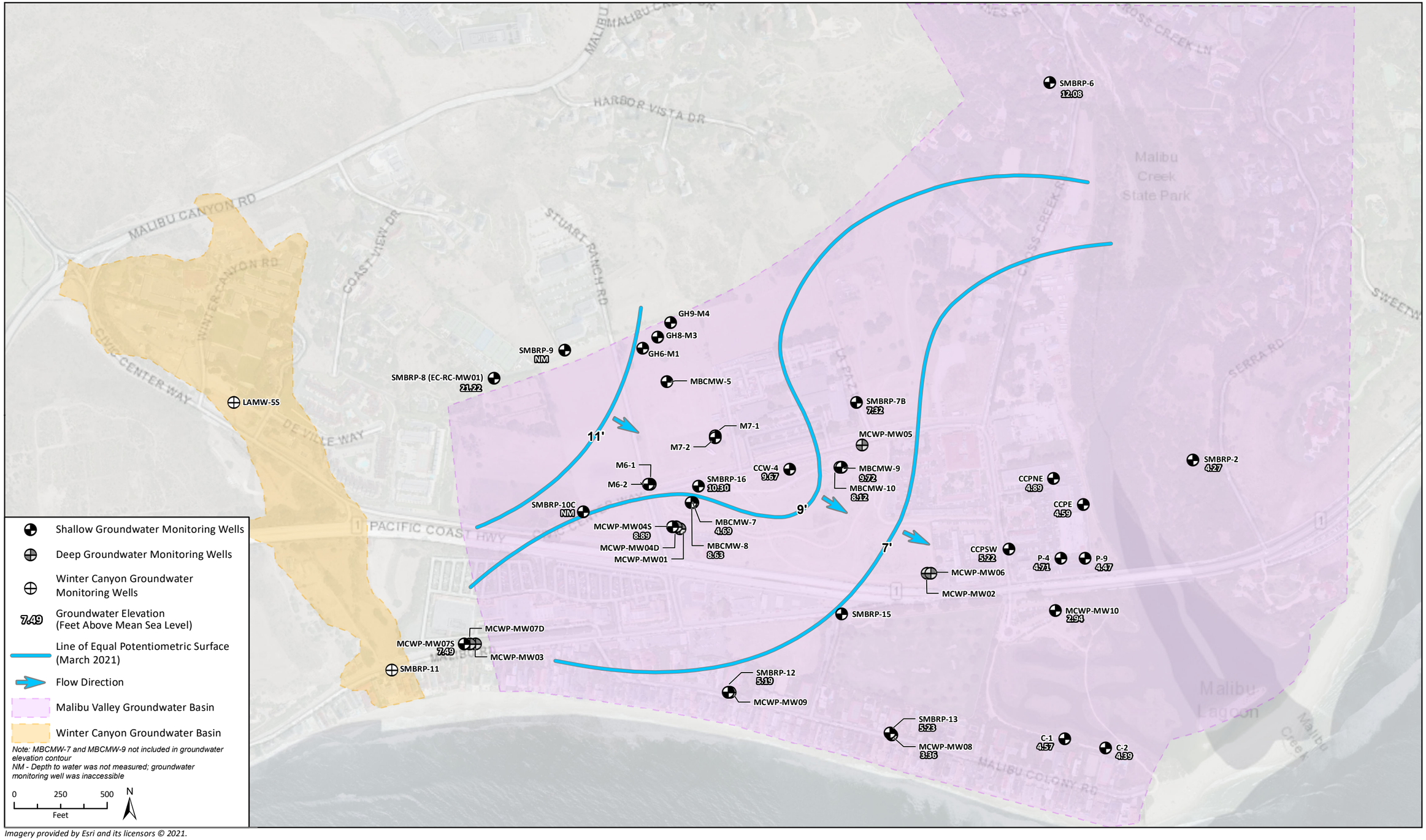
Rincon Consultants Inc.



Imagery provided by Esri and its licensors © 2021.

Shallow Groundwater Elevation - February 2021

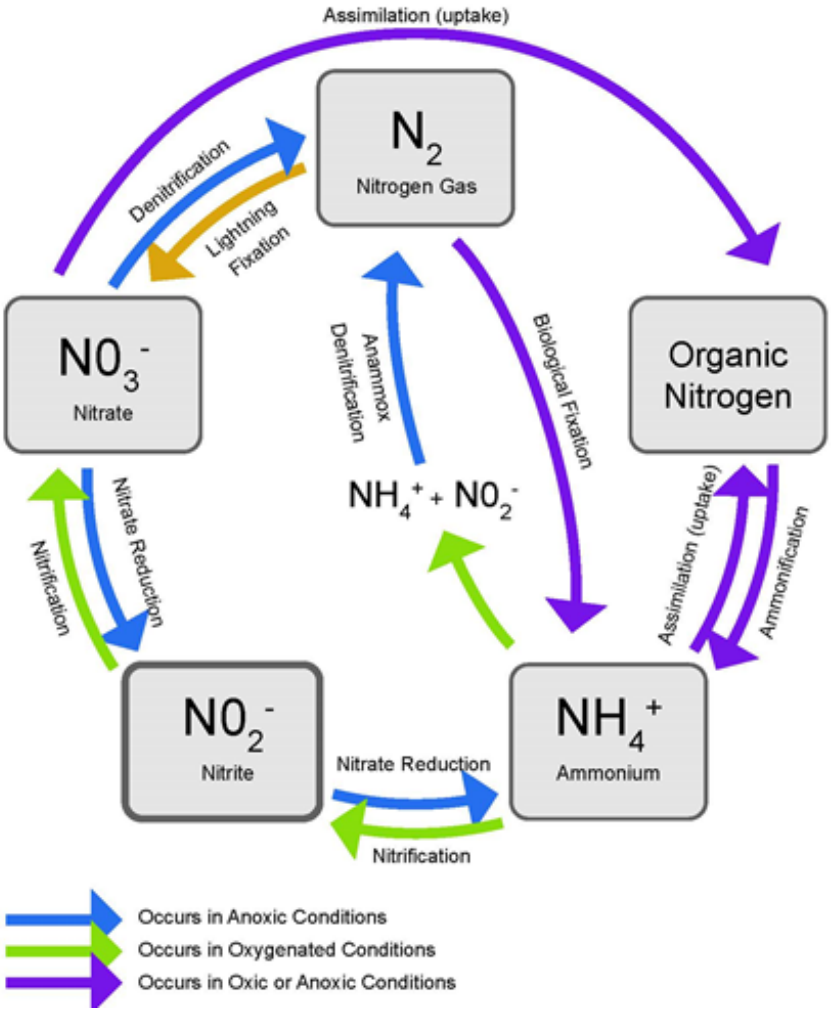
Figure 4



Imagery provided by Esri and its licensors © 2021.

Shallow Groundwater Elevation - March 2021

Figure 5



The Nitrogen Cycle Figure 6

Appendix A

Groundwater and Surface Water Field Sheets

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	January Monthly
Project:	Malibu CCWTF	**Date:**	January 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	6.16	13:38	
C-2	14.20		2	5.88	13:40	
CCPE	52.70		2	7.26	12:29	
CCPNE	24.10		2	7.90	12:30	
CCPSW	19.90		2	7.83	12:35	
CCW-4	12.30		1	6.49	11:13	
GH6-M1	35.20		2	28.22	10:58	
GH8-M3	40.21		2	27.70	10:56	
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	56.96	10:58	
M6-1	45.30		2	6.85	14:38	
M6-2	19.40		2	5.85	14:39	
M7-1	39.35		2	8.38	14:18	
M7-2	19.60		2	7.99	14:20	
MBCMW-5	19.40		N/A	-	-	Dry
MBCMW-6	64.26		N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	11.29	13:55	
MBCMW-8	11.95		2	8.59	13:54	
MBCMW-9	9.25		2	8.26	14:06	
MBCMW-10	51.75		2	8.61	14:07	
MCWP-MW01	152.88		6	10.34	13:44	
MCWP-MW02	148.20		6	10.51	13:31	
MCWP-MW03	136.65		6	8.03	12:57	Parked over
MCWP-MW04S	20.45		4	7.18	13:41	
MCWP-MW04D	149.20		4	9.50	13:42	
MCWP-MW05	154.40		4	7.65	14:05	
MCWP-MW06	138.15		2	10.04	13:30	
MCWP-MW07S	17.22		2	7.74	11:29	
MCWP-MW07D	129.60		2	7.85	11:30	
MCWP-MW08	79.38		2	8.34	11:51	
MCWP-MW09	89.60		2	6.06	11:40	
MCWP-MW10	22.23		2	7.48	12:15	
P-4	14.57		4	6.47	13:24	
P-9	13.90		4	6.73	13:21	
SMBRP-2	24.88		2	8.33	12:30	
SMBRP-6	23.45		2	14.67	12:38	
SMBRP-7B	25.13		2	11.20	14:12	
SMBRP-8 (EC-RC-MW01)	40.46		4	27.37	11:11	
SMBRP-9	45.40		2	36.89	10:10	
SMBRP-10C	25.00		2	6.68	10:28	
SMBRP-11	20.38		2	8.37	13:05	
SMBRP-12	24.88		2	7.07	13:11	
SMBRP-13	19.48		2	7.95	13:19	
SMBRP-15B	8.40		1	-	-	Dry
SMBRP-16	25.00		2	4.84	11:09	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	February Monthly
Project:	Malibu CCWTF	**Date:**	February 22, 2021
Location:	Malibu, CA	**Measured By:**	Michelle Carter

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	7.26	10:45	
C-2	14.20		2	7.00	10:50	
CCPE	52.70		2	8.58	11:30	
CCPNE	24.10		2	8.93	11:25	
CCPSW	19.90		2	8.56	11:41	
CCW-4	12.30		1	6.14	12:38	
GH6-M1	35.20		2	28.47	12:58	
GH8-M3	40.21		2	27.87	13:01	
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	57.36	09:15	
M6-1	45.30		2	7.00	13:05	
M6-2	19.40		2	5.52	13:07	
M7-1	39.35		2	12.49	08:37	
M7-2	19.60		2	7.67	12:51	
MBCMW-5	19.40		N/A			Dry
MBCMW-6	64.26		N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	11.88	12:29	
MBCMW-8	11.95		2	8.17	12:28	
MBCMW-9	9.25		2	8.03	11:12	
MBCMW-10	51.75		2	9.44	11:13	
MCWP-MW01	152.88		6	11.30	12:03	
MCWP-MW02	148.20		6	12.45	11:49	
MCWP-MW03	136.65		6	8.68	10:02	
MCWP-MW04S	20.45		4	6.76	10:20	
MCWP-MW04D	149.20		4	10.46	11:57	
MCWP-MW05	154.40		4	8.60	12:44	
MCWP-MW06	138.15		2	10.72	11:48	
MCWP-MW07S	17.22		2	6.10	09:48	
MCWP-MW07D	129.60		2	8.52	10:00	
MCWP-MW08	79.38		2	8.99	10:27	
MCWP-MW09	89.60		2	6.80	10:18	
MCWP-MW10	22.23		2	8.40	10:30	
P-4	14.57		4	7.65	11:35	
P-9	13.90		4	7.90	11:37	
SMBRP-2	24.88		2	9.05	11:10	
SMBRP-6	23.45		2	14.76	11:19	
SMBRP-7B	25.13		2	11.38	10:45	
SMBRP-8 (EC-RC-MW01)	40.46		4	26.88	12:13	
SMBRP-9	45.40		2	37.08	12:09	
SMBRP-10C	25.00		2	6.22	12:20	
SMBRP-11	20.38		2	8.91	11:45	
SMBRP-12	24.88		2	7.70	10:13	
SMBRP-13	19.48		2	8.68	10:23	
SMBRP-15B	8.40		1	-	-	Dry
SMBRP-16	25.00		2	4.42	12:25	

Depth to Groundwater Measurements

Job No:	20-09665	**Event:**	March Monthly
Project:	Malibu CCWTF	**Date:**	March 25, 2021
Location:	Malibu, CA	**Measured By:**	Michelle Carter

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	6.90	12:20	
C-2	14.20		2	6.80	12:21	
CCPE	52.70		2	8.35	13:17	
CCPNE	24.10		2	8.79	13:13	
CCPSW	19.90		2	8.45	13:26	
CCW-4	12.30		1	6.10	13:59	
GH6-M1	35.20		2	28.62	14:30	
GH8-M3	40.21		2	28.01	14:32	
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	57.78	10:58	
M6-1	45.30		2	6.95	14:38	
M6-2	19.40		2	5.40	14:39	
M7-1	39.35		2	8.33	14:18	
M7-2	19.60		2	7.63	14:20	
MBCMW-5	19.40		N/A	-	-	Dry
MBCMW-6	64.26		N/A	N/A	-	Well has been removed
MBCMW-7	52.15		2	11.95	13:55	
MBCMW-8	11.95		2	7.90	13:54	
MBCMW-9	9.25		2	7.99	14:06	
MBCMW-10	51.75		2	9.62	14:07	
MCWP-MW01	152.88		6	11.50	13:44	
MCWP-MW02	148.20		6	12.37	13:31	
MCWP-MW03	136.65		6	-	-	Parked over
MCWP-MW04S	20.45		4	6.40	13:41	
MCWP-MW04D	149.20		4	10.67	13:42	
MCWP-MW05	154.40		4	8.65	14:05	
MCWP-MW06	138.15		2	10.83	13:30	
MCWP-MW07S	17.22		2	6.23	11:29	
MCWP-MW07D	129.60		2	8.81	11:30	
MCWP-MW08	79.38		2	8.85	11:51	
MCWP-MW09	89.60		2	6.75	11:40	
MCWP-MW10	22.23		2	8.17	12:15	
P-4	14.57		4	7.45	13:24	
P-9	13.90		4	7.70	13:21	
SMBRP-2	24.88		2	8.86	12:30	
SMBRP-6	23.45		2	14.8	12:38	
SMBRP-7B	25.13		2	11.67	14:12	
SMBRP-8 (EC-RC-MW01)	40.46		4	27.47	11:11	
SMBRP-9	45.40		2	-	-	Parked over
SMBRP-10C	25.00		N/A	N/A	-	Well has been removed
SMBRP-11	20.38		2	8.97	11:34	
SMBRP-12	24.88		2	7.43	11:43	
SMBRP-13	19.48		2	8.35	11:49	
SMBRP-15B	8.40		1	-	-	Dry
SMBRP-16	25.00		2	4.20	13:52	

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 26, 2021
Observation Period **Start:** 10:05 **Stop:** 11:45	**Well Name:** MCWP-MW06
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	135
Well Diameter (in)	2	Depth of Well (ft)	136.55
Initial/Static Depth to Water (ft)	10.25	Length of Water Column (ft)	126.3
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	20.21	Three Casing Volumes (gal)	60.63
Purge Time Start	10:27	Purge Time Stop	11:28
Total Purge Time (min)	60	Purge Rate (gpm)	1.02
Purge Volume (gal)	61	Depth to Water (ft) at Sampling	10.25

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 (20.5 gal)	Volume 3 (40.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.9	20.6	20.6	20.7		20.7
pH	7.7	7.8	7.75	7.77		7.72
Conductivity (µs)	2,021	2,052	2,058	2,095		2093
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,010	1,029	1,039	1,044		1047
Turbidity (NTU)	5.25	3.15	3.06	4.75		1.46

Depth to Water at End of Purge: 10.48	Drawdown: 0.23

Comments: Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
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 10.25 + 0.2 * 0.23 = 10.296

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 26, 2021
Observation Period **Start:** 09:17 **Stop:** 10:00	**Well Name:** MCWP-MW10
Sampled By: Michelle Carter	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	21
Well Diameter (in)	2	Depth of Well (ft)	22.15
Initial/Static Depth to Water (ft)	7.98	Length of Water Column (ft)	14.17
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.27	Three Casing Volumes (gal)	6.81
Purge Time Start	09:38	Purge Time Stop	09:43
Total Purge Time (min)	5	Purge Rate (gpm)	1.4
Purge Volume (gal)	7	Depth to Water (ft) at Sampling	7.98

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2.5 gal)	Volume 3 (4.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	19.4	20.1	20.6	20.6		20.6
pH	7.52	7.49	7.48	7.47		7.45
Conductivity (µs)	2,930	2,808	2,780	2,790		2,764
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,463	1,410	1,397	1,396		1,383
Turbidity (NTU)	45.4	35.8	29	17.3		16.6

Depth to Water at End of Purge: 7.98	Drawdown: 0

Comments: Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 09:55
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.98 + 0.2 * 0 = 7.98

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 25, 2021
Observation Period **Start:** 10:15 **Stop:** 12:45	**Well Name:** MCWP-MW05
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	149
Well Diameter (in)	4	Depth of Well (ft)	150.6
Initial/Static Depth to Water (ft)	8.18	Length of Water Column (ft)	142.42
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	92.57	Three Casing Volumes (gal)	277.71
Purge Time Start	10:20	Purge Time Stop	12:15
Total Purge Time (min)	114	Purge Rate (gpm)	2.44
Purge Volume (gal)	278	Depth to Water (ft) at Sampling	8.2

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (93 gal)	Volume 3 (185 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	18.3	18.5	18.6	18.5		18.5
pH	7.17	7.12	7.04	7.06		7.02
Conductivity (µs)	1,660	1,580	1,602	1,584		1584
Dissolved Oxygen (mg/L)	3.37	3.16	1.65	1.71		1.64
Dissolved Oxygen (%)	36.2	31.4	17.7	18.4		17.6
TDS (ppm)	1,243	1,172	1,178	1,176		1175
Turbidity (NTU)	1.64	0.72	0.14	0.22		0.19

Depth to Water at End of Purge: 8.5	Drawdown: 0.32

Comments:

Miscellaneous Data
Condition of Traffic Box: 1/2 tabs missing
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 12:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.18 + 0.2 * 0.32 = 8.244

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 25, 2021
Observation Period **Start:** 09:30 **Stop:** 10:15	**Well Name:** CCPE
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	51
Well Diameter (in)	2	Depth of Well (ft)	52.25
Initial/Static Depth to Water (ft)	7.8	Length of Water Column (ft)	44.45
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	7.11	Three Casing Volumes (gal)	21.33
Purge Time Start	09:40	Purge Time Stop	09:55
Total Purge Time (min)	14	Purge Rate (gpm)	1.54
Purge Volume (gal)	21.5	Depth to Water (ft) at Sampling	7.8

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (7 gal)	Volume 3 (14 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	17.6	18.4	18.3	18.3		18.3
pH	6.47	6.85	6.96	6.96		6.97
Conductivity (µs)	3,383	3,295	3,435	3,425		3,733
Dissolved Oxygen (mg/L)	2.75	3.16	2.91	2.99		2.93
Dissolved Oxygen (%)	29.6	34.3	30.3	31.8		31.1
TDS (ppm)	2,550	2,455	2,558	2,568		2,419
Turbidity (NTU)	20.15	3.24	2.66	2.3		1.3

Depth to Water at End of Purge: 8.21	Drawdown: 0.41

Comments:

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear/ strong winds
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 7.8 + 0.2 * 0.41 = 7.882

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 24, 2021
Observation Period **Start:** 09:35 **Stop:** 12:15	**Well Name:** MCWP-MW04D
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	140
Well Diameter (in)	4	Depth of Well (ft)	145.22
Initial/Static Depth to Water (ft)	9.93	Length of Water Column (ft)	135.29
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	87.94	Three Casing Volumes (gal)	263.82
Purge Time Start	10:00	Purge Time Stop	11:45
Total Purge Time (min)	105	Purge Rate (gpm)	2.51
Purge Volume (gal)	264	Depth to Water (ft) at Sampling	9.95

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (88 gal)	Volume 3 (176 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.1	20.2	20.1	20		19.9
pH	7.83	7.72	7.7	7.68		7.62
Conductivity (µs)	2,272	2,312	2,299	2,260		2,259
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,121	1,159	1,135	1,129		1,128
Turbidity (NTU)	6.01	1.91	1.76	1.22		1.09

Depth to Water at End of Purge: 10.36	Drawdown: 0.43

Comments: Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 11:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 9.93 + 0.2 * 0.43 = 10.016

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 24, 2021
Observation Period **Start:** 09:00 **Stop:** 10:00	**Well Name:** SMBRP-9
Sampled By: Johnathon Bridgeman	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	43.5
Well Diameter (in)	2	Depth of Well (ft)	44.8
Initial/Static Depth to Water (ft)	37.1	Length of Water Column (ft)	7.7
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.23	Three Casing Volumes (gal)	3.69
Purge Time Start	09:06	Purge Time Stop	09:10
Total Purge Time (min)	3	Purge Rate (gpm)	1.23
Purge Volume (gal)	3.69	Depth to Water (ft) at Sampling	37.75

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 (1.2 gal)	Volume 3 (2.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.2	22.4	22.9	22.7		22.6
pH	7.35	7.44	7.56	7.68		7.64
Conductivity (µs)	2,124	2,145	2,158	2,171		2,163
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,063	1,074	1,079	1,087		1,080
Turbidity (NTU)	68.9	19.9	36.5	81.2		42.0

Depth to Water at End of Purge: 42.62	Drawdown: 5.52

Comments: Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 09:40
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 37.1 + 0.2 * 5.52 = 38.204

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 11:10 **Stop:** 12:00	**Well Name:** MCWP-MW09
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	88
Well Diameter (in)	2	Depth of Well (ft)	89.2
Initial/Static Depth to Water (ft)	6.84	Length of Water Column (ft)	82.36
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.18	Three Casing Volumes (gal)	39.54
Purge Time Start	11:17	Purge Time Stop	11:40
Total Purge Time (min)	23	Purge Rate (gpm)	1.72
Purge Volume (gal)	39.5	Depth to Water (ft) at Sampling	7.06

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 (26.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22	21.3	21.3	21.3		23
pH	7.6	7.64	7.6	7.59		7.76
Conductivity (µs)	3,262	3,286	3,374	3,385		2,690
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,616	1,645	1,680	1,688		1,324
Turbidity (NTU)	17.1	8.7	3.1	1.7		6.2

Depth to Water at End of Purge: 7.15	Drawdown: 0.31

Comments: Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: 1/2 tabs missing
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 13:00
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.84 + 0.2 * 0.31 = 6.902

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 12:00 **Stop:** 12:40	**Well Name:** SMBRP-13
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	19
Well Diameter (in)	2	Depth of Well (ft)	19.45
Initial/Static Depth to Water (ft)	8.64	Length of Water Column (ft)	10.81
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	12:05	Purge Time Stop	12:10
Total Purge Time (min)	4	Purge Rate (gpm)	1.38
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	8.64

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (3.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	20.1	20.1	20.1	20		20.8
pH	7.29	7.3	7.3	7.31		7.22
Conductivity (µs)	3,203	3,205	3,207	3,218		2,154
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,602	1,604	1,604	1,612		1,079
Turbidity (NTU)	12.4	8.1	5.6	2.2		0.8

Depth to Water at End of Purge: 8.98	Drawdown: 0.34

Comments: Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 12:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.64 + 0.2 * 0.34 = 8.708

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 10:00 **Stop:** 11:30	**Well Name:** MCWP-MW07S
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	16.5
Well Diameter (in)	2	Depth of Well (ft)	17.24
Initial/Static Depth to Water (ft)	6.14	Length of Water Column (ft)	11.1
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.78	Three Casing Volumes (gal)	5.34
Purge Time Start	10:10	Purge Time Stop	10:14
Total Purge Time (min)	4	Purge Rate (gpm)	0.5
Purge Volume (gal)	2	Depth to Water (ft) at Sampling	6.16

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.6	21.5				23.4
pH	7.61	7.65				7.62
Conductivity (µs)	1,999	2,018				1,840
Dissolved Oxygen (mg/L)	-	-				-
Dissolved Oxygen (%)	-	-				-
TDS (ppm)	1,001	1,011				882
Turbidity (NTU)	133	256				5.88

Depth to Water at End of Purge: 16.43	Drawdown: 10.29

Comments: Well Dewatered at 3 gallons. Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 23:20
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.14 + 0.2 * 10.29 = 8.198

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 10:00 **Stop:** 10:50	**Well Name:** MCWP-MW07D
Sampled By: Peter Doran	**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)	127.9
Initial/Static Depth to Water (ft)	8.48	Length of Water Column (ft)	119.42
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.11	Three Casing Volumes (gal)	57.33
Purge Time Start	10:04	Purge Time Stop	10:44
Total Purge Time (min)	39	Purge Rate (gpm)	1.47
Purge Volume (gal)	57.5	Depth to Water (ft) at Sampling	9.1

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 (19.5 gal)	Volume 3 (38.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.7	23.4	23.3	23.3		22
pH	7.41	7.44	7.45	7.47		7.31
Conductivity (µs)	2,244	2,238	2,225	2,222		293
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	1,110	1,110	1,109	1,109		140
Turbidity (NTU)	2.2	1.6	1.1	0.7		18.3

Depth to Water at End of Purge: 8.97	Drawdown: 0.49

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: 12:05
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.48 + 0.2 * 0.49 = 8.578

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 11:09 **Stop:** 11:40	**Well Name:** SMBRP-12
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	24
Well Diameter (in)	2	Depth of Well (ft)	24.7
Initial/Static Depth to Water (ft)	7.74	Length of Water Column (ft)	16.96
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.71	Three Casing Volumes (gal)	8.13
Purge Time Start	11:25	Purge Time Stop	11:35
Total Purge Time (min)	10	Purge Rate (gpm)	0.85
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.68

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (3 gal)	Volume 3 (6 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.4	21.6	21.5	21.5		26.4
pH	7.25	7.28	7.26	7.26		7.14
Conductivity (µs)	-	-	-	-		2,321
Dissolved Oxygen (mg/L)	-	-	-	-		-
Dissolved Oxygen (%)	-	-	-	-		-
TDS (ppm)	-	-	-	-		1,163
Turbidity (NTU)	74.9	47.6	19.4	14.1		24.9

Depth to Water at End of Purge: 7.96	Drawdown: 0.22

Comments: Dissolved Oxygen and conductivity equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 12:50
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 7.74 + 0.2 * 0.22 = 7.784

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 11:35 **Stop:** 12:00	**Well Name:** SMBRP-11
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	2	Depth of Well (ft)	20.05
Initial/Static Depth to Water (ft)	8.91	Length of Water Column (ft)	11.14
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.78	Three Casing Volumes (gal)	5.34
Purge Time Start	11:45	Purge Time Stop	11:48
Total Purge Time (min)	2	Purge Rate (gpm)	1
Purge Volume (gal)	2	Depth to Water (ft) at Sampling	8.9

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2 gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.9	21.9				23.8
pH	7.03	6.94				7.22
Conductivity (µs)	2,406	2,404				2,402
Dissolved Oxygen (mg/L)	3.35	2.75				-
Dissolved Oxygen (%)	38	31.3				-
TDS (ppm)	1,663	1,660				2,000
Turbidity (NTU)	489	462				4.09

Depth to Water at End of Purge: 19.72	Drawdown: 10.81

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: 11:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.91 + 0.2 * 10.81 = 11.072

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 10:18 **Stop:** 10:35	**Well Name:** MCWP-MW04S
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	20
Well Diameter (in)	4	Depth of Well (ft)	20.5
Initial/Static Depth to Water (ft)	6.76	Length of Water Column (ft)	13.74
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.93	Three Casing Volumes (gal)	26.79
Purge Time Start	10:20	Purge Time Stop	10:30
Total Purge Time (min)	10	Purge Rate (gpm)	2
Purge Volume (gal)	20	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 (9 gal)	Volume 3 (18 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.2	22.8	22.3			20.7
pH	7.18	7.28	7.4			7.42
Conductivity (µs)	7,194	6,232	5,452			3,999
Dissolved Oxygen (mg/L)	3.01	3.39	5.61			-
Dissolved Oxygen (%)	35.3	39.9	65.7			-
TDS (ppm)	4,833	4,230	3,737			2,000
Turbidity (NTU)	4	0.6	0.25			3.86

Depth to Water at End of Purge: 20.15	Drawdown: 13.39

Comments: Well dewatered at 20 gallons. Dissolved Oxygen equipment failure.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 09:30
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 6.76 + 0.2 * 13.39 = 9.438

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 11:10 **Stop:** 11:30	**Well Name:** MBCMW-9
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	9.25
Well Diameter (in)	2	Depth of Well (ft)	9.35
Initial/Static Depth to Water (ft)	8.03	Length of Water Column (ft)	1.32
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.21	Three Casing Volumes (gal)	0.63
Purge Time Start	11:15	Purge Time Stop	11:18
Total Purge Time (min)	2	Purge Rate (gpm)	0.13
Purge Volume (gal)	0.25	Depth to Water (ft) at Sampling	8.01

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (0.25 gal)	Volume 3 (gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	22.5	22.5				21.4
pH	7.11	7.08				7.18
Conductivity (µs)	5,524	5,492				3,999
Dissolved Oxygen (mg/L)	6.21	6.15				-
Dissolved Oxygen (%)	73	72.8				-
TDS (ppm)	3,771	3,786				3,786
Turbidity (NTU)	109	367				367

Depth to Water at End of Purge: 9.25	Drawdown: 1.22

Comments: Well dewatered at 0.25 gallons. Dissolved Oxygen equipment failure at sampling.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 10:45
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 8.03 + 0.2 * 1.22 = 8.274

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 10:40 **Stop:** 11:00	**Well Name:** SMBRP-7B
Sampled By: Peter Doran	**Survey Reference Point:** TOC

Purging Data			
Type of Pump	Electric Submersible Pump	Pump Inlet Depth (ft)	24.5
Well Diameter (in)	2	Depth of Well (ft)	25.06
Initial/Static Depth to Water (ft)	11.38	Length of Water Column (ft)	13.68
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.19	Three Casing Volumes (gal)	6.57
Purge Time Start	10:45	Purge Time Stop	10:55
Total Purge Time (min)	10	Purge Rate (gpm)	0.7
Purge Volume (gal)	7	Depth to Water (ft) at Sampling	11.35

Casing or Borehole Volume	
0.5-inch Diameter = 0.010 gal/ft 0.75-inch Diameter = 0.023 gal/ft 1-inch Diameter = 0.041 gal/ft 1.5-inch Diameter = 0.092 gal/ft 2-inch Diameter = 0.16 gal/ft	4-inch Diameter = 0.65 gal/ft 6-inch Diameter = 1.46 gal/ft 9-inch Diameter = 3.30 gal/ft 12-inch Diameter = 5.87 gal/ft 15-inch Diameter = 9.18 gal/ft

Indicator Data						
Volume Pumped	Before Purge	Volume 2 (2.5 gal)	Volume 3 (4.5 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	23.2	22	21.5	21.5		21.7
pH	7.27	7.13	7.08	6.97		7.44
Conductivity (µs)	3,231	2,481	2,383	2,345		1,747
Dissolved Oxygen (mg/L)	2.88	2.64	1.93	1.7		-
Dissolved Oxygen (%)	33.4	30	21.4	19.3		-
TDS (ppm)	2,163	1,710	1,103	1,634		876
Turbidity (NTU)	687	170	19.3	14.6		1.14

Depth to Water at End of Purge: 24.12	Drawdown: 12.74

Comments: Dissolved Oxygen equipment failure at sampling.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 10:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 11.38 + 0.2 * 12.74 = 13.928

Groundwater Sampling/Purging Data Sheet

Job No: 20-09665	**Event:** First Quarter 2021
Project/Location: Malibu CCWTF/Malibu, CA	**Date:** February 23, 2021
Observation Period **Start:** 21:15 **Stop:** 10:10	**Well Name:** LAMW-5S
Sampled By: Peter Doran	**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)	74.11
Initial/Static Depth to Water (ft)	57.36	Length of Water Column (ft)	16.75
Product Thickness (ft)	N/A	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	10.89	Three Casing Volumes (gal)	32.67
Purge Time Start	09:18	Purge Time Stop	10:00
Total Purge Time (min)	42	Purge Rate (gpm)	0.6
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	57.45

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 (11 gal)	Volume 3 (22 gal)	Volume 4	Volume 5	At Sampling
Temperature (C)	21.8	22.1	22.2			20.9
pH	6.52	6.79	6.83			6.94
Conductivity (µs)	806	852	861			1,189
Dissolved Oxygen (mg/L)	4.64	3.06	2.95			-
Dissolved Oxygen (%)	52.3	36.2	33.6			-
TDS (ppm)	559	590	593			591
Turbidity (NTU)	20.6	17.4	1.2			10.2

Depth to Water at End of Purge: 72.06	Drawdown: 14.7

Comments: Well dewatered at 25 gallons. Dissolved Oxygen equipment failure at sampling.

Miscellaneous Data
Condition of Traffic Box: Good
Drum Identification Labeling: N/A
Water Level Indicator: Solinst Model 101
Weather Conditions: Clear
Comments:
Sampled Time: 09:15
Well Recovery Calculation Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery 57.36 + 0.2 * 14.7 = 60.3

Surface Water Sampling

Job No: 20-09665	**Event:** First Quarter 2021
Project: Malibu CCWTF	**Date:** February 26, 2021
Location: Malibu, CA	**Sampled By:** Jaime McClain

CONDITIONS

Weather: Clear	**Wind:** Calm
Estuary Berm: Open	

DAILY TIDES

LOW	Time: 15:09	Feet: -1.2	**HIGH**	Time: 08:15	Feet: 6.1

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife
							Type, # On Land # In Water
N-001	11:55	Calm	Clear	Clear	None	None	N/A, 0, 0
N-002	12:05	Calm	Clear	Clear	None	None	Sanderling, 11, 0
N-003	11:40	Calm	Clear	Clear	None	None	N/A, 0, 0
N-004	10:10	Calm	Clear	Clear	None	None	N/A, 0, 0
L-001	10:35	Calm	Clear	Clear	None	None	Mallard, 0, 18
L-002	12:45	Calm	Clear	Brown	None	None	Surf scooter, 0, 6 Bufflehead, 0, 1
L-003	10:55	Calm	Clear	Clear	None	None	Heron, 0, 1 Mallard, 0, 9
L-004	11:10	Calm	Clear	Clear	None	None	Cormorant, 25, 10 Pelican, 40, 8 Surf scooter, 0, 21 Gull, 1, 4 Mallard, 0, 15
L-005	11:35	Calm	Clear	Clear	None	None	Snowy egret, 0, 5
L-006	12:25	Calm	Cloudy	Brown	None	None	Mallard, 0, 5

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

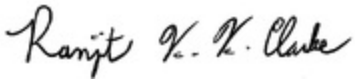
Lab Job Number: 441271
Report Level: II
Report Date: 03/04/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	441271
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/23/21

Sample ID	Lab ID	Collected	Matrix
SMBRP-13	441271-001	02/23/21 12:30	Water
MBCMW-9	441271-002	02/23/21 10:45	Water
SMBRP-7B	441271-003	02/23/21 10:15	Water
SMBRP-11	441271-004	02/23/21 11:45	Water
LAMW-5S	441271-005	02/23/21 09:15	Water
SMBRP-12	441271-006	02/23/21 12:50	Water
MCWP-MW04S	441271-007	02/23/21 09:30	Water
MCWP-MW07S	441271-008	02/23/21 11:20	Water
MCWP-MW07D	441271-009	02/23/21 12:05	Water
MCWP-MW09	441271-010	02/23/21 13:00	Water

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 441271	Standard: X 4 Day: 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 2	2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	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
SMBRP-13	2/23/21	1230	W			X	X	X	X	X		
~~MCWP-MW10~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
~~GCPE~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		MC
MBCMW-9	2/23/21	1045	W			X	X	X	X	X		
SMBRP-7B	2/23/21	1015	W			X	X	X	X	X		
SMBRP-11	2/23/21	1145	W			X	X	X	X	X		
LAMW-5S	2/23/21	0915	W			X	X	X	X	X		
~~MCWP-MW05~~										~~X~~	~~X~~	MC
~~MCWP-MW06~~										~~X~~	~~X~~	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	Rincon Consultants	2/23/21 / 1405
[1] Received By:		John Nicholson	E.A.	2/23/21 / 1405
[2] Relinquished By:		John Nicholson	E.A.	02/23/21 1619
[2] Received By:		Christine C.	EA	2/23/21 1619
[3] Relinquished By:				

0.4 / 4.9

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No:	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 2 of 2	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	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	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
~~SMBRP-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	MC
SMBRP-12	2/23/21	1250	W			X	X	X	X	X	X	X	X	
MCWP-MW04S	2/23/21	0930	W			X	X	X	X	X	X	X	X	
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	MC
MCWP-MW07S	2/23/21	1120	W			X	X	X	X	X	X	X	X	
MCWP-MW07D	2/23/21	1205				X	X	X	X	X	X	X	X	
MCWP-MW09	2/23/21	1300	W			X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS	2/23/21 / 1405
[1] Received By:		John Nicholson	E.A.	02/23/21 1408
[2] Relinquished By:		John Nicholson	E.A.	02/23/21 1619
[2] Received By:		Linh Stine C.	EA	2/23/21 1619
[3] Relinquished By:				

0.3 / 5.1

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu - Semi-Annual

Date Received: 2/23/21 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.9 #2: 5.1 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.4 #2: 0.3 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____/_____

Project Manager's response:

Completed By: _____ Date: 2/23/21

ENTHALPY ANALYTICAL

Analysis Results for 441271

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 441271
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/23/21

Sample ID: SMBRP-13 **Lab ID: 441271-001** **Collected: 02/23/21 12:30**
Matrix: Water

441271-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 17:18	RKV
Nitrogen, Nitrate	**0.46**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 17:18	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.74**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.74**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.39**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**11**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Coliform, Total	**520**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.2**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: MBCMW-9	Lab ID: 441271-002	Collected: 02/23/21 10:45
	Matrix: Water	

441271-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 17:42	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 17:42	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.6**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.6**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.019**	J	mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**140**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Coliform, Total	**53**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.6**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: SMBRP-7B	Lab ID: 441271-003	Collected: 02/23/21 10:15
	Matrix: Water	

441271-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 18:07	RKV
Nitrogen, Nitrate	**0.92**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 18:07	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.69**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.69**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.022**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**3.0**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Coliform, Total	**61**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.6**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: SMBRP-11	Lab ID: 441271-004	Collected: 02/23/21 11:45
	Matrix: Water	

441271-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	**0.13**		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 18:31	RKV
Nitrogen, Nitrate	**2.1**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 18:31	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.7**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.73**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.97**		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.028**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**4.1**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Coliform, Total	**65**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**3.9**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: LAMW-5S	Lab ID: 441271-005	Collected: 02/23/21 09:15
	Matrix: Water	

441271-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 18:56	RKV
Nitrogen, Nitrate	**4.4**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 18:56	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.7**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.70**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**2.0**		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**2.3**		mg/L	0.10	0.050	5	262232	03/04/21	03/04/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Coliform, Total	**74**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**7.1**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: SMBRP-12	Lab ID: 441271-006	Collected: 02/23/21 12:50
	Matrix: Water	

441271-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	262389	03/02/21	03/02/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.64**		mg/L	0.050	0.0080	1	262013	02/24/21	02/24/21	JDB
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**310**		mg/L	50	1.4	10	261959	02/23/21 09:00	02/23/21 23:49	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 21:47	RKV
Nitrogen, Nitrate	**0.05**	J	mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 21:47	RKV
Sulfate	**320**		mg/L	10	2.5	10	261959	02/23/21 09:00	02/23/21 23:49	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**6.5**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.0**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262064	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262023	02/24/21 14:19	02/24/21 14:19	WWC
Method: SM 4500-H+ B										
pH	**6.92**	H	SU			1	262048	02/24/21 14:30	02/24/21 14:30	SGC
Temperature	**8.20**	H	deg C	1.00		1	262048	02/24/21 14:30	02/24/21 14:30	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**5.5**		mg/L	0.20	0.020	2	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.32**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 5310B										
Total Organic Carbon	**8.0**		mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Coliform, Total	**980**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: SM2120B										
Color	**100**		ColorUnits	10		2	262065	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2130B										
Turbidity	**90**		NTU	0.10	0.07	1	262063	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	262192	02/26/21	02/27/21	WWC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

441271-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**140**		mg/L	2.0		4	262000	02/23/21	02/24/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**5.9**		mg/L	3.0		1	262024	02/24/21 10:01	03/01/21 09:52	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.24**		mg/L	0.040	0.027	1	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**6.6**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: MCWP-MW04S	Lab ID: 441271-007	Collected: 02/23/21 09:30
	Matrix: Water	

441271-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	262389	03/02/21	03/02/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**1.6**		mg/L	0.050	0.0080	1	262013	02/24/21	02/24/21	JDB
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**510**		mg/L	100	2.8	20	261959	02/23/21 09:00	02/24/21 00:13	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 16:53	RKV
Nitrogen, Nitrate	**1.6**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 16:53	RKV
Sulfate	**2,500**		mg/L	50	13	50	262007	02/24/21 11:00	02/24/21 18:10	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**1.1**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**1.1**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262064	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262023	02/24/21 14:19	02/24/21 14:19	WWC
Method: SM 4500-H+ B										
pH	**7.26**	H	SU			1	262048	02/24/21 14:30	02/24/21 14:30	SGC
Temperature	**7.90**	H	deg C	1.00		1	262048	02/24/21 14:30	02/24/21 14:30	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.37**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 5310B										
Total Organic Carbon	**26**		mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.1**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

441271-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**170**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: SM2120B										
Color	**50**		ColorUnits	5		1	262065	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2130B										
Turbidity	**16**		NTU	0.10	0.07	1	262063	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**4,900**		mg/L	20		2	262192	02/26/21	02/27/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**6.0**		mg/L	0.6		1.1	262000	02/23/21	02/24/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	262024	02/24/21 10:03	03/01/21 09:52	MMP
Method: SM5540C										
Surfactants (MBAS)	**120**		mg/L	0.040	0.027	1	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**2.7**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: MCWP-MW07S	Lab ID: 441271-008	Collected: 02/23/21 11:20
	Matrix: Water	

441271-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	262389	03/02/21	03/02/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.39**		mg/L	0.050	0.0080	1	262013	02/24/21	02/24/21	JDB
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**200**		mg/L	50	1.4	10	261959	02/23/21 09:00	02/24/21 00:38	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 22:11	RKV
Nitrogen, Nitrate	**4.5**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 22:11	RKV
Sulfate	**270**		mg/L	10	2.5	10	261959	02/23/21 09:00	02/24/21 00:38	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.66**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.43**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262064	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262023	02/24/21 14:19	02/24/21 14:19	WWC
Method: SM 4500-H+ B										
pH	**7.28**	H	SU			1	262051	02/24/21 15:15	02/24/21 15:15	SGC
Temperature	**8.10**	H	deg C	1.00		1	262051	02/24/21 15:15	02/24/21 15:15	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.23**		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.18**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 5310B										
Total Organic Carbon	**3.0**	B	mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**190**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

441271-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**200**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: SM2120B										
Color	**40**		ColorUnits	5		1	262065	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2130B										
Turbidity	**18**		NTU	0.10	0.07	1	262063	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	262192	02/26/21	02/27/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**31**		mg/L	0.7		1.3	262093	02/24/21	02/24/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**5.1**		mg/L	3.0		1	262024	02/24/21 10:05	03/01/21 09:52	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.15**		mg/L	0.040	0.027	1	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**5.2**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: MCWP-MW07D	Lab ID: 441271-009	Collected: 02/23/21 12:05
	Matrix: Water	

441271-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	262389	03/02/21	03/02/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.059**		mg/L	0.050	0.0080	1	262013	02/24/21	02/24/21	JDB
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**19**		mg/L	5.0	0.14	1	261959	02/23/21 09:00	02/23/21 22:36	RKV
Nitrogen, Nitrite	**0.05**	J	mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 22:36	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 22:36	RKV
Sulfate	**17**		mg/L	1.0	0.25	1	261959	02/23/21 09:00	02/23/21 22:36	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**3.3**		mg/L	0.40	0.030	1	261998	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**2.0**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262064	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262023	02/24/21 14:19	02/24/21 14:19	WWC
Method: SM 4500-H+ B										
pH	**6.66**	H	SU			1	262051	02/24/21 15:15	02/24/21 15:15	SGC
Temperature	**8.60**	H	deg C	1.00		1	262051	02/24/21 15:15	02/24/21 15:15	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**1.3**		mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.15**		mg/L	0.020	0.010	1	262232	03/04/21	03/04/21	SGC
Method: SM 5310B										
Total Organic Carbon	**15**		mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1,100**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

441271-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: SM2120B										
Color	**150**		ColorUnits	15		3	262065	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2130B										
Turbidity	**38**		NTU	0.10	0.07	1	262063	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**170**		mg/L	20		2	262192	02/26/21	02/27/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**70**		mg/L	2.5		5	262093	02/24/21	02/24/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**15**		mg/L	3.0		1	262024	02/24/21 10:07	03/01/21 09:52	MMP
Method: SM5540C										
Surfactants (MBAS)	**3.0**		mg/L	0.20	0.14	5	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**3.4**		mg/L			1	262111	02/25/21	02/25/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

Sample ID: MCWP-MW09	Lab ID: 441271-010	Collected: 02/23/21 13:00
	Matrix: Water	

441271-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	262389	03/02/21	03/02/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.71**		mg/L	0.050	0.0080	1	262013	02/24/21	02/24/21	JDB
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**410**		mg/L	50	1.4	10	261959	02/23/21 09:00	02/24/21 01:27	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	261959	02/23/21 09:00	02/23/21 23:00	RKV
Nitrogen, Nitrate	**1.0**		mg/L	0.10	0.05	1	261959	02/23/21 09:00	02/23/21 23:00	RKV
Sulfate	**490**		mg/L	10	2.5	10	261959	02/23/21 09:00	02/24/21 01:27	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.55**		mg/L	0.40	0.030	1	261994	02/23/21	02/24/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.51**		mg/L			1	262115	02/25/21	02/25/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262064	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262023	02/24/21 14:19	02/24/21 14:19	WWC
Method: SM 4500-H+ B										
pH	**7.57**	H	SU			1	262051	02/24/21 15:15	02/24/21 15:15	SGC
Temperature	**10.40**	H	deg C	1.00		1	262051	02/24/21 15:15	02/24/21 15:15	SGC
Method: SM 4500-NH3-G										
Ammonia-N	**0.039**	J	mg/L	0.10	0.010	1	262004	02/24/21	02/24/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.057**		mg/L	0.020	0.010	1	262038	02/24/21	02/24/21	SGC
Method: SM 5310B										
Total Organic Carbon	**2.3**	B	mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441271

441271-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**170**		MPN/100ml	1.0		1	261970	02/23/21 17:09	02/24/21 16:10	CCO
Method: SM2120B										
Color	**20**		ColorUnits	5		1	262065	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2130B										
Turbidity	**10**		NTU	0.10	0.07	1	262063	02/23/21 18:45	02/23/21 18:45	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,700**		mg/L	20		2	262192	02/26/21	02/27/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**8.7**		mg/L	0.6		1.1	262093	02/24/21	02/24/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**5.7**		mg/L	3.0		1	262024	02/24/21 10:09	03/01/21 09:52	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.12**		mg/L	0.040	0.027	1	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.6**		mg/L			1	262111	02/25/21	02/25/21	SLL

<	Value is less than indicated concentration
>	Value exceeds indicated concentration
B	Contamination found in associated Method Blank
H	Holding time was exceeded
J	Estimated value
ND	Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC910417**	**Batch:**	**261959**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC910417 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.14	02/23/21 09:00	02/23/21 16:29
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/23/21 09:00	02/23/21 16:29
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/23/21 09:00	02/23/21 16:29
Sulfate	ND		mg/L	1.0	0.25	02/23/21 09:00	02/23/21 16:29

Type:	**Lab Control Sample**	**Lab ID:**	**QC910418**	**Batch:**	**261959**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC910418 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	100.0	100.0	mg/L	100%		90-110
Nitrogen, Nitrite	9.248	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	9.110	9.036	mg/L	101%		90-110
Sulfate	51.75	50.00	mg/L	103%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC910419**	**Batch:**	**261959**
Matrix (Source ID):	**Drinking Water (441034-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC910419 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	166.9	66.22	100.0	mg/L	101%		80-120	1
Nitrogen, Nitrite	9.143	ND	9.134	mg/L	100%		80-120	1
Nitrogen, Nitrate	9.367	0.04670	9.036	mg/L	103%		80-120	1
Sulfate	63.80	13.13	50.00	mg/L	101%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC910420**	**Batch:**	**261959**
Matrix (Source ID):	**Drinking Water (441034-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC910420 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	166.6	66.22	100.0	mg/L	100%		80-120	0	20	1
Nitrogen, Nitrite	9.180	ND	9.134	mg/L	101%		80-120	0	20	1
Nitrogen, Nitrate	9.342	0.04670	9.036	mg/L	103%		80-120	0	20	1
Sulfate	63.86	13.13	50.00	mg/L	101%		80-120	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC910421**	**Batch:**	**261959**
Matrix (Source ID):	**Drinking Water (441283-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC910421 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	108.6	7.595	100.0	mg/L	101%		80-120	1
Nitrogen, Nitrite	8.996	ND	9.134	mg/L	98%		80-120	1
Nitrogen, Nitrate	10.06	0.7132	9.036	mg/L	103%		80-120	1
Sulfate	79.01	28.72	50.00	mg/L	101%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC910422**	**Batch:**	**261959**
Matrix (Source ID):	**Drinking Water (441283-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC910422 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	110.2	7.595	100.0	mg/L	103%		80-120	1	20	1
Nitrogen, Nitrite	9.148	ND	9.134	mg/L	100%		80-120	2	20	1
Nitrogen, Nitrate	10.08	0.7132	9.036	mg/L	104%		80-120	0	20	1
Sulfate	79.59	28.72	50.00	mg/L	102%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC910522**	**Batch:**	**261994**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC910522 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/23/21	02/24/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC910523**	**Batch:**	**261994**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC910523 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.399	2.500	mg/L	96%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC910524**	**Batch:**	**261994**
Matrix (Source ID):	**Water (441087-001)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC910524 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.47	0.3180	12.50	mg/L	105%		90-110	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC910525	Batch: 261994
Matrix (Source ID): Water (441087-001)	Method: EPA 351.2	Prep Method: METHOD

QC910525 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.81	0.3180	12.50	mg/L	100%		90-110	5	20	2.5

Type: Blank	Lab ID: QC910530	Batch: 261998
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC910530 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/23/21	02/24/21

Type: Lab Control Sample	Lab ID: QC910531	Batch: 261998
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC910531 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.424	2.500	mg/L	97%		90-110

Type: Matrix Spike	Lab ID: QC910532	Batch: 261998
Matrix (Source ID): Water (441192-001)	Method: EPA 351.2	Prep Method: METHOD

QC910532 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.61	1.411	12.50	mg/L	98%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC910533	Batch: 261998
Matrix (Source ID): Water (441192-001)	Method: EPA 351.2	Prep Method: METHOD

QC910533 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.16	1.411	12.50	mg/L	94%		90-110	3	20	2.5

Type: Blank	Lab ID: QC910538	Batch: 262000
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC910538 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/23/21	02/24/21

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate	Lab ID: QC910539	Batch: 262000
Matrix (Source ID): Water (441153-002)	Method: SM2540D	Prep Method: METHOD

QC910539 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	362.0	356.0	mg/L		2	5	20

Type: Blank	Lab ID: QC910544	Batch: 262004
Matrix: Water	Method: SM 4500-NH3-G	

QC910544 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	02/24/21	02/24/21

Type: Lab Control Sample	Lab ID: QC910545	Batch: 262004
Matrix: Water	Method: SM 4500-NH3-G	

QC910545 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.709	2.500	mg/L	108%		80-120

Type: Matrix Spike	Lab ID: QC910546	Batch: 262004
Matrix (Source ID): Water (441271-001)	Method: SM 4500-NH3-G	

QC910546 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.493	ND	2.500	mg/L	100%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC910547	Batch: 262004
Matrix (Source ID): Water (441271-001)	Method: SM 4500-NH3-G	

QC910547 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.475	ND	2.500	mg/L	99%		80-120	1	20	1

Type: Blank	Lab ID: QC910557	Batch: 262007
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC910557 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Sulfate	ND		mg/L	1.0	0.25	02/24/21 11:00	02/24/21 12:03

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC910558	Batch: 262007
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC910558 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Sulfate	51.60	50.00	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC910561	Batch: 262007
Matrix (Source ID): Water (441281-006)	Method: EPA 300.0	Prep Method: METHOD

QC910561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Sulfate	495.2	458.7	50.00	mg/L	73%	NM	80-120	20

Type: Matrix Spike Duplicate	Lab ID: QC910562	Batch: 262007
Matrix (Source ID): Water (441281-006)	Method: EPA 300.0	Prep Method: METHOD

QC910562 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Sulfate	494.6	458.7	50.00	mg/L	72%	NM	80-120	0	20	20

Type: Blank	Lab ID: QC910581	Batch: 262013
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC910581 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	02/24/21	02/24/21

Type: Lab Control Sample	Lab ID: QC910582	Batch: 262013
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC910582 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.948	2.000	mg/L	97%		85-115

Type: Matrix Spike	Lab ID: QC910583	Batch: 262013
Matrix (Source ID): Water (441271-010)	Method: EPA 200.7	Prep Method: EPA 3010A

QC910583 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.728	0.7059	1.000	mg/L	102%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC910584	Batch:	262013
Matrix (Source ID):	Water (441271-010)	Method:	EPA 200.7	Prep Method:	EPA 3010A

QC910584 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.751	0.7059	1.000	mg/L	105%		75-125	1	20	1

Type:	Blank	Lab ID:	QC910607	Batch:	262023
Matrix:	Water	Method:	SM 4500-CL-G		

QC910607 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	02/24/21 14:19	02/24/21 14:19

Type:	Lab Control Sample	Lab ID:	QC910608	Batch:	262023
Matrix:	Water	Method:	SM 4500-CL-G		

QC910608 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9110	1.000	mg/L	91%		80-120

Type:	Sample Duplicate	Lab ID:	QC910609	Batch:	262023
Matrix (Source ID):	Water (441271-006)	Method:	SM 4500-CL-G		

QC910609 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type:	Blank	Lab ID:	QC910610	Batch:	262024
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC910610 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/24/21 09:51	03/01/21 09:52

Type:	Lab Control Sample	Lab ID:	QC910611	Batch:	262024
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC910611 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	207.0	198.0	mg/L	105%		84.6-115.4

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC910643** **Batch: 262038**
Matrix: Water **Method: SM 4500-P-B5-E**

QC910643 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	02/24/21	02/24/21

Type: Lab Control Sample **Lab ID: QC910644** **Batch: 262038**
Matrix: Water **Method: SM 4500-P-B5-E**

QC910644 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4340	0.4000	mg/L	109%		80-120

Type: Matrix Spike **Lab ID: QC910645** **Batch: 262038**
Matrix (Source ID): Water (441271-010) **Method: SM 4500-P-B5-E**

QC910645 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.4390	0.05700	0.4000	mg/L	96%		75-125	1

Type: Matrix Spike Duplicate **Lab ID: QC910646** **Batch: 262038**
Matrix (Source ID): Water (441271-010) **Method: SM 4500-P-B5-E**

QC910646 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	0.4110	0.05700	0.4000	mg/L	89%		75-125	7	20	1

Type: Sample Duplicate **Lab ID: QC910670** **Batch: 262048**
Matrix (Source ID): Water (441271-007) **Method: SM 4500-H+ B**

QC910670 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.230	7.260	SU		0	20	1
Temperature	7.800	7.900	deg C		1	20	1

Type: Sample Duplicate **Lab ID: QC910673** **Batch: 262051**
Matrix (Source ID): Water (441284-006) **Method: SM 4500-H+ B**

QC910673 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	8.770	8.750	SU		0	20	1
Temperature	17.50	17.50	deg C		0	20	1

Batch QC

Type: Sample Duplicate	Lab ID: QC910685	Batch: 262063
Matrix (Source ID): Water (441271-006)	Method: SM2130B	

QC910685 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	90.00	89.70	NTU		0	20	1

Type: Sample Duplicate	Lab ID: QC910686	Batch: 262064
Matrix (Source ID): Water (441271-006)	Method: SM 2150B	

QC910686 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate	Lab ID: QC910687	Batch: 262065
Matrix (Source ID): Water (441271-006)	Method: SM2120B	

QC910687 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	100.0	100.0	ColorUnits		0	20	2

Type: Blank	Lab ID: QC910766	Batch: 262093
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC910766 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/24/21	02/24/21

Type: Sample Duplicate	Lab ID: QC910767	Batch: 262093
Matrix (Source ID): Water (441182-002)	Method: SM2540D	Prep Method: METHOD

QC910767 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	1,344	1376	mg/L		2	5	40

Type: Blank	Lab ID: QC910780	Batch: 262099
Matrix: Water	Method: SM5540C	

QC910780 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	02/24/21 13:00	02/24/21 17:54

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC910781	Batch: 262099
Matrix: Water	Method: SM5540C	

QC910781 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9830	1.000	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC910782	Batch: 262099
Matrix (Source ID): Water (441271-010)	Method: SM5540C	

QC910782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.099	0.1160	1.000	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC910783	Batch: 262099
Matrix (Source ID): Water (441271-010)	Method: SM5540C	

QC910783 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.030	0.1160	1.000	mg/L	91%		80-120	6	20	1

Type: Blank	Lab ID: QC911023	Batch: 262192
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC911023 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/26/21	02/27/21

Type: Lab Control Sample	Lab ID: QC911024	Batch: 262192
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC911024 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	101.0	100.0	mg/L	101%		90-110

Type: Sample Duplicate	Lab ID: QC911025	Batch: 262192
Matrix (Source ID): Water (441271-007)	Method: SM2540C	Prep Method: METHOD

QC911025 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	4,888	4938	mg/L		1	5	2

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC911127** **Batch: 262232**
Matrix: Water **Method: SM 4500-P-B5-E**

QC911127 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	03/04/21	03/04/21

Type: Lab Control Sample **Lab ID: QC911128** **Batch: 262232**
Matrix: Water **Method: SM 4500-P-B5-E**

QC911128 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3740	0.4000	mg/L	94%		80-120

Type: Matrix Spike **Lab ID: QC911129** **Batch: 262232**
Matrix (Source ID): Water (441271-001) **Method: SM 4500-P-B5-E**

QC911129 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.733	0.3900	1.000	mg/L	134%	*	75-125	2.5

Type: Matrix Spike Duplicate **Lab ID: QC911130** **Batch: 262232**
Matrix (Source ID): Water (441271-001) **Method: SM 4500-P-B5-E**

QC911130 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.728	0.3900	1.000	mg/L	134%	*	75-125	0	20	2.5

Type: Blank **Lab ID: QC911426** **Batch: 262336**
Matrix: Water **Method: SM 5310B**

QC911426 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	0.49	J	mg/L	1.0	0.18	02/26/21	02/26/21

Type: Lab Control Sample **Lab ID: QC911427** **Batch: 262336**
Matrix: Water **Method: SM 5310B**

QC911427 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.683	10.00	mg/L	97%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC911428	**Batch:** 262336
Matrix (Source ID): Water (441281-006)	**Method:** SM 5310B	

QC911428 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	40.42	4.684	40.00	mg/L	89%		80-120	4

Type: Matrix Spike Duplicate	**Lab ID:** QC911429	**Batch:** 262336
Matrix (Source ID): Water (441281-006)	**Method:** SM 5310B	

QC911429 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	43.89	4.684	40.00	mg/L	98%		80-120	8	20	4

Type: Blank	**Lab ID:** QC911589	**Batch:** 262389
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC911589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/02/21	03/02/21

Type: Lab Control Sample	**Lab ID:** QC911590	**Batch:** 262389
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC911590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.80	40.00	mg/L	92%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC911591	**Batch:** 262389
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC911591 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.80	40.00	mg/L	100%		78-114	8	18

* Value is outside QC limits
J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

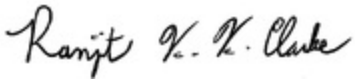
Lab Job Number: 441331
Report Level: II
Report Date: 03/05/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly/Semi-Annual - Revised Report

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 #:	441331
Project No:	MALIBU
Location:	Malibu - Quarterly/Semi-Annual - Revised Report
Date Received:	02/24/21

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	441331-001	02/24/21 09:40	Water
MCWP-MW04D	441331-002	02/24/21 11:50	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:	414331				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other					Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group											
1 Park Plaza, Suite 1000, Irvine, CA 92614											

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	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	EPA 200.7 (B)	EPA 300.0: Cl,NO2,NO3,SO4	TKN; NH3; Phosphorus	SM 5310C TOC; BOD; TSS; TDS	pH; Residual Cl; MBAS; Turbidity; Color; Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
SMBRP-9	2/24/21	0940	W			X	X	X	X	X	X	X	X			
~~SMBRP-12~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			MC
MCWP-MW04D	2/24/21	1150	W			X	X	X	X	X	X	X	X			
~~MCWP-MW07S~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW07D~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW09~~						X	X	X	X	X	X	X	X			MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS	2/24/21 / 1340
[1] Received By:		John Nicholson	E.A.	02/24/21 / 1341
[2] Relinquished By:		John Nicholson	E.A.	02/24/21 1515
[2] Received By:		FEDEX	EA	2/24/21 1515
[3] Relinquished By:				

0.3/6.2°

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Quarterly/Semi-Annual

Date Received: 02/24/21 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: 6.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.3 #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: _____

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

ENTHALPY ANALYTICAL

Analysis Results for 441331

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 441331
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual - Revised Report
Date Received: 02/24/21

Sample ID: SMBRP-9 **Lab ID: 441331-001** **Collected: 02/24/21 09:40**
Matrix: Water

441331-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.0	1.4	1	262389	03/02/21	03/02/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.62**		mg/L	0.050	0.0080	1	262134	02/25/21	02/26/21	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**140**		mg/L	5.0	0.14	1	262007	02/24/21 11:00	02/25/21 00:41	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	262007	02/24/21 11:00	02/25/21 00:41	RKV
Nitrogen, Nitrate	**5.7**		mg/L	0.10	0.05	1	262007	02/24/21 11:00	02/25/21 00:41	RKV
Sulfate	**200**		mg/L	10	2.5	10	262007	02/24/21 11:00	02/25/21 01:30	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.27**	J	mg/L	0.40	0.030	1	262248	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.27**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262068	02/24/21 18:00	02/24/21 18:00	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262127	02/25/21 14:40	02/25/21 14:40	WWC
Method: SM 4500-H+ B										
pH	**7.15**	H	SU			1	262052	02/24/21 18:40	02/24/21 18:40	SGC
Temperature	**18.60**	H	deg C	1.00		1	262052	02/24/21 18:40	02/24/21 18:40	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.075**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441331

441331-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: SM 5310B										
Total Organic Carbon	**4.3**	B	mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	262040	02/24/21 16:23	02/25/21 14:09	CCO
Coliform, Total	**27**		MPN/100ml	1.0		1	262040	02/24/21 16:23	02/25/21 14:09	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	262069	02/24/21 18:00	02/24/21 18:00	SGC
Method: SM2130B										
Turbidity	**24**		NTU	0.10	0.07	1	262067	02/24/21 18:00	02/24/21 18:00	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,200**		mg/L	20		2	262194	02/26/21	02/27/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**140**		mg/L	1.3		2.5	262172	02/25/21	02/26/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	262043	02/24/21 16:42	03/01/21 11:02	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.19**		mg/L	0.040	0.027	1	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**6.0**		mg/L			1	262552	03/04/21	03/04/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441331

Sample ID: MCWP-MW04D	Lab ID: 441331-002	Collected: 02/24/21 11:50
	Matrix: Water	

441331-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**2.5**	J	mg/L	5.0	1.4	1	262145	02/25/21	02/25/21	ECC
Method: EPA 200.7 Prep Method: EPA 3010A										
Boron	**0.82**		mg/L	0.050	0.0080	1	262134	02/25/21	02/26/21	SBW
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**230**		mg/L	50	1.4	10	262007	02/24/21 11:00	02/25/21 01:54	RKV
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	262007	02/24/21 11:00	02/25/21 01:05	RKV
Nitrogen, Nitrate	**1.3**		mg/L	0.10	0.05	1	262007	02/24/21 11:00	02/25/21 01:05	RKV
Sulfate	**540**		mg/L	10	2.5	10	262007	02/24/21 11:00	02/25/21 01:54	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.068**	J	mg/L	0.40	0.030	1	262248	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.068**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	262068	02/24/21 18:00	02/24/21 18:00	SGC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.016	1	262127	02/25/21 14:40	02/25/21 14:40	WWC
Method: SM 4500-H+ B										
pH	**7.09**	H	SU			1	262053	02/24/21 18:50	02/24/21 18:50	SGC
Temperature	**18.70**	H	deg C	1.00		1	262053	02/24/21 18:50	02/24/21 18:50	SGC
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.047**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 5310B										
Total Organic Carbon	ND		mg/L	1.0	0.18	1	262336	02/26/21	02/26/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	262040	02/24/21 16:23	02/25/21 14:09	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441331

441331-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**2,400**		MPN/100ml	1.0		1	262040	02/24/21 16:23	02/25/21 14:09	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	262069	02/24/21 18:00	02/24/21 18:00	SGC
Method: SM2130B										
Turbidity	**0.44**		NTU	0.10	0.07	1	262067	02/24/21 18:00	02/24/21 18:00	SGC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,500**		mg/L	20		2	262194	02/26/21	02/27/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**1.6**		mg/L	0.6		1.1	262172	02/25/21	02/26/21	NLP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	262043	02/24/21 16:43	03/01/21 11:02	ECC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	262099	02/24/21 13:00	02/24/21 17:54	NLP
Method: TOTAL NITROGEN										
Total Nitrogen	**1.4**		mg/L			1	262552	03/04/21	03/04/21	SLL

<	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: QC910557	Batch: 262007
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC910557 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.14	02/24/21 11:00	02/24/21 12:03
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/24/21 11:00	02/24/21 12:03
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/24/21 11:00	02/24/21 12:03
Sulfate	ND		mg/L	1.0	0.25	02/24/21 11:00	02/24/21 12:03

Type: Lab Control Sample	Lab ID: QC910558	Batch: 262007
Matrix: Drinking Water	Method: EPA 300.0	Prep Method: METHOD

QC910558 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	100.6	100.0	mg/L	101%		90-110
Nitrogen, Nitrite	9.320	9.134	mg/L	102%		90-110
Nitrogen, Nitrate	9.062	9.036	mg/L	100%		90-110
Sulfate	51.60	50.00	mg/L	103%		90-110

Type: Matrix Spike	Lab ID: QC910561	Batch: 262007
Matrix (Source ID): Water (441281-006)	Method: EPA 300.0	Prep Method: METHOD

QC910561 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	2,256	2253	100.0	mg/L	3%	NM	80-120	20
Nitrogen, Nitrite	7.896	ND	9.134	mg/L	86%		80-120	1
Nitrogen, Nitrate	9.056	ND	9.036	mg/L	100%		80-120	1
Sulfate	495.2	458.7	50.00	mg/L	73%	NM	80-120	20

Type: Matrix Spike Duplicate	Lab ID: QC910562	Batch: 262007
Matrix (Source ID): Water (441281-006)	Method: EPA 300.0	Prep Method: METHOD

QC910562 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	2,254	2253	100.0	mg/L	1%	NM	80-120	0	20	20
Nitrogen, Nitrite	7.906	ND	9.134	mg/L	87%		80-120	0	20	1
Nitrogen, Nitrate	8.938	ND	9.036	mg/L	99%		80-120	1	20	1
Sulfate	494.6	458.7	50.00	mg/L	72%	NM	80-120	0	20	20

Type: Blank	Lab ID: QC910659	Batch: 262043
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC910659 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		02/24/21 16:40	03/01/21 11:02

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC910660	Batch: 262043
Matrix: Water	Method: SM5210B	Prep Method: METHOD

QC910660 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	179.0	198.0	mg/L	90%		84.6-115.4

Type: Sample Duplicate	Lab ID: QC910674	Batch: 262052
Matrix (Source ID): Water (441331-001)	Method: SM 4500-H+ B	

QC910674 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.160	7.150	SU		0	20	1
Temperature	18.60	18.60	deg C		0	20	1

Type: Sample Duplicate	Lab ID: QC910675	Batch: 262053
Matrix (Source ID): Water (441337-002)	Method: SM 4500-H+ B	

QC910675 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.120	7.140	SU		0	20	1
Temperature	9.200	9.000	deg C		2	20	1

Type: Sample Duplicate	Lab ID: QC910689	Batch: 262067
Matrix (Source ID): Water (441331-002)	Method: SM2130B	

QC910689 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.4350	0.4400	NTU		1	20	1

Type: Sample Duplicate	Lab ID: QC910690	Batch: 262068
Matrix (Source ID): Water (441331-002)	Method: SM 2150B	

QC910690 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: QC910691	Batch: 262069
Matrix (Source ID): Water (441331-002)	Method: SM2120B	

QC910691 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Blank	Lab ID: QC910780	Batch: 262099
Matrix: Water	Method: SM5540C	

QC910780 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	02/24/21 13:00	02/24/21 17:54

Type: Lab Control Sample	Lab ID: QC910781	Batch: 262099
Matrix: Water	Method: SM5540C	

QC910781 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9830	1.000	mg/L	98%		90-110

Type: Matrix Spike	Lab ID: QC910782	Batch: 262099
Matrix (Source ID): Water (441271-010)	Method: SM5540C	

QC910782 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.099	0.1160	1.000	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC910783	Batch: 262099
Matrix (Source ID): Water (441271-010)	Method: SM5540C	

QC910783 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.030	0.1160	1.000	mg/L	91%		80-120	6	20	1

Type: Blank	Lab ID: QC910836	Batch: 262127
Matrix: Water	Method: SM 4500-CL-G	

QC910836 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.016	02/25/21 14:40	02/25/21 14:40

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC910837	Batch: 262127
Matrix: Water	Method: SM 4500-CL-G	

QC910837 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9070	1.000	mg/L	91%		80-120

Type: Sample Duplicate	Lab ID: QC910838	Batch: 262127
Matrix (Source ID): Water (441331-001)	Method: SM 4500-CL-G	

QC910838 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type: Blank	Lab ID: QC910856	Batch: 262134
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC910856 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	02/25/21	02/26/21

Type: Lab Control Sample	Lab ID: QC910857	Batch: 262134
Matrix: Water	Method: EPA 200.7	Prep Method: EPA 3010A

QC910857 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	1.958	2.000	mg/L	98%		85-115

Type: Matrix Spike	Lab ID: QC910858	Batch: 262134
Matrix (Source ID): Water (441331-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC910858 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.665	0.6209	1.000	mg/L	104%		75-125	1

Type: Matrix Spike Duplicate	Lab ID: QC910859	Batch: 262134
Matrix (Source ID): Water (441331-001)	Method: EPA 200.7	Prep Method: EPA 3010A

QC910859 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.661	0.6209	1.000	mg/L	104%		75-125	0	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC910894	Batch: 262145
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC910894 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	02/25/21	02/25/21

Type: Lab Control Sample	Lab ID: QC910895	Batch: 262145
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC910895 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.80	40.00	mg/L	90%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC910896	Batch: 262145
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC910896 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	36.30	40.00	mg/L	91%		78-114	1	18

Type: Blank	Lab ID: QC910983	Batch: 262172
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC910983 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		02/25/21	02/26/21

Type: Sample Duplicate	Lab ID: QC910984	Batch: 262172
Matrix (Source ID): Water (441182-003)	Method: SM2540D	Prep Method: METHOD

QC910984 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	624.0	652.0	mg/L		4	5	40

Type: Blank	Lab ID: QC911031	Batch: 262194
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC911031 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/26/21	02/27/21

Type: Lab Control Sample	Lab ID: QC911032	Batch: 262194
Matrix: Water	Method: SM2540C	Prep Method: METHOD

QC911032 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	100.0	100.0	mg/L	100%		90-110

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC911033**	**Batch:**	**262194**
Matrix (Source ID):	**Water (441337-002)**	**Method:**	**SM2540C**	**Prep Method:**	**METHOD**

QC911033 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	508.0	514.0	mg/L		1	5	2

Type:	**Blank**	**Lab ID:**	**QC911131**	**Batch:**	**262233**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC911131 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	02/26/21	02/26/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC911132**	**Batch:**	**262233**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC911132 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3630	0.4000	mg/L	91%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC911133**	**Batch:**	**262233**
Matrix (Source ID):	**Water (441388-001)**	**Method:**	**SM 4500-P-B5-E**		

QC911133 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9725	0.08200	1.000	mg/L	89%		75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911134**	**Batch:**	**262233**
Matrix (Source ID):	**Water (441388-001)**	**Method:**	**SM 4500-P-B5-E**		

QC911134 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.053	0.08200	1.000	mg/L	97%		75-125	8	20	2.5

Type:	**Blank**	**Lab ID:**	**QC911185**	**Batch:**	**262248**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC911185 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/28/21	02/28/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC911186	Batch: 262248
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC911186 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.374	2.500	mg/L	95%		90-110

Type: Matrix Spike	Lab ID: QC911187	Batch: 262248
Matrix (Source ID): Water (441331-001)	Method: EPA 351.2	Prep Method: METHOD

QC911187 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	12.40	0.2685	12.50	mg/L	97%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC911188	Batch: 262248
Matrix (Source ID): Water (441331-001)	Method: EPA 351.2	Prep Method: METHOD

QC911188 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	12.76	0.2685	12.50	mg/L	100%		90-110	3	20	2.5

Type: Blank	Lab ID: QC911426	Batch: 262336
Matrix: Water	Method: SM 5310B	

QC911426 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	0.49	J	mg/L	1.0	0.18	02/26/21	02/26/21

Type: Lab Control Sample	Lab ID: QC911427	Batch: 262336
Matrix: Water	Method: SM 5310B	

QC911427 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.683	10.00	mg/L	97%		80-120

Type: Matrix Spike	Lab ID: QC911428	Batch: 262336
Matrix (Source ID): Water (441281-006)	Method: SM 5310B	

QC911428 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	40.42	4.684	40.00	mg/L	89%		80-120	4

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate		**Lab ID:** QC911429	**Batch:** 262336
Matrix (Source ID): Water (441281-006)		**Method:** SM 5310B	

QC911429 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	43.89	4.684	40.00	mg/L	98%		80-120	8	20	4

Type: Blank	**Lab ID:** QC911589	**Batch:** 262389
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC911589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	03/02/21	03/02/21

Type: Lab Control Sample	**Lab ID:** QC911590	**Batch:** 262389
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC911590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	36.80	40.00	mg/L	92%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC911591	**Batch:** 262389
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC911591 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	39.80	40.00	mg/L	100%		78-114	8	18

Type: Blank	**Lab ID:** QC911674	**Batch:** 262418
Matrix: Water	**Method:** SM 4500-NH3-G	

QC911674 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/03/21	03/03/21

Type: Lab Control Sample	**Lab ID:** QC911675	**Batch:** 262418
Matrix: Water	**Method:** SM 4500-NH3-G	

QC911675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.261	2.500	mg/L	90%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC911676**	**Batch:**	**262418**
Matrix (Source ID):	**Water (441452-001)**	**Method:**	**SM 4500-NH3-G**		

QC911676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.132	ND	2.500	mg/L	85%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911677**	**Batch:**	**262418**
Matrix (Source ID):	**Water (441452-001)**	**Method:**	**SM 4500-NH3-G**		

QC911677 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.018	ND	2.500	mg/L	81%		80-120	5	20	1

J Estimated value
ND Not Detected
NM Not Meaningful: Sample concentration > 4X spike concentration

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

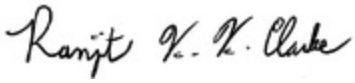
Lab Job Number:	441388
Report Level:	II
Report Date:	03/05/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	441388
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/25/21

Sample ID	Lab ID	Collected	Matrix
CCPE	441388-001	02/25/21 10:00	Water
MCWP-MW05	441388-002	02/25/21 12:30	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: 21413 88	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	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
~~SMBRP-13~~						X	X	X	X	X		MC
~~MCWP-MW10~~						X	X	X	X	X		MC
CCPE	2/25/21	1000	W			X	X	X	X	X		
~~MBCMW-9~~						X	X	X	X	X		MC
~~SMBRP-7B~~						X	X	X	X	X		MC
~~SMBRP-11~~						X	X	X	X	X		MC
~~LAMW-5S~~						X	X	X	X	X		MC
MCWP-MW05	2/25/21	1230	W							X	X	
~~MCWP-MW06~~										X	X	MC

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS	2/25/21 / 1315
[1] Received By:		John Nicholson	E.A.	02/25/21 / 1315
[2] Relinquished By:		John Nicholson	E.A.	02/25/21 / 1458
[2] Received By:		~~John~~ Nic		
[3] ~~Relinquished By:~~		Klim	EA	2/25/21 1458

Received: 2/25/21 0.6/0.7

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu - Semi-Annual

Date Received: 2/25/21 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: 6.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #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: 2/25/21

ENTHALPY ANALYTICAL

Analysis Results for 441388

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 441388
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/25/21

Sample ID: CCPE **Lab ID: 441388-001** **Collected: 02/25/21 10:00**
Matrix: Water

441388-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	262126	02/25/21 09:00	02/25/21 16:29	RKV
Nitrogen, Nitrate	**0.97**		mg/L	0.10	0.05	1	262126	02/25/21 09:00	02/25/21 16:29	RKV
Nitrogen, Nitrate/Nitrite	**0.97**		mg/L	0.10		1	262126	02/25/21 09:00	02/25/21 16:29	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.67**		mg/L	0.40	0.030	1	262247	02/26/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.67**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.082**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Coliform, Total	**330**		MPN/100ml	1.0		1	262130	02/25/21 16:52	02/26/21 15:20	CCO
Fecal Coliform	**24**		MPN/100ml	1.0		1	262130	02/25/21 16:52	02/26/21 15:20	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,700**		mg/L	20		2	262195	02/26/21	02/27/21	WWC

Sample ID: MCWP-MW05 **Lab ID: 441388-002** **Collected: 02/25/21 12:30**
Matrix: Water

441388-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	**1.9**		mg/L	0.10	0.05	1	262126	02/25/21 09:00	02/25/21 16:54	RKV
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,300**		mg/L	20		2	262195	02/26/21	02/27/21	WWC

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC910843	**Batch:** 262126
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC910843 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/25/21 09:00	02/25/21 09:53
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/25/21 09:00	02/25/21 09:53
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/25/21 09:00	02/25/21 09:53

Type: Lab Control Sample	**Lab ID:** QC910844	**Batch:** 262126
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC910844 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.376	9.134	mg/L	103%		90-110
Nitrogen, Nitrate	9.128	9.036	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC910845	**Batch:** 262126
Matrix (Source ID): Drinking Water (441093-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC910845 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.006	ND	9.134	mg/L	99%		80-120	1
Nitrogen, Nitrate	8.923	0.07838	9.036	mg/L	98%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC910846	**Batch:** 262126
Matrix (Source ID): Drinking Water (441093-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC910846 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.145	ND	9.134	mg/L	100%		80-120	2	20	1
Nitrogen, Nitrate	9.028	0.07838	9.036	mg/L	99%		80-120	1	20	1

Type: Matrix Spike	**Lab ID:** QC910847	**Batch:** 262126
Matrix (Source ID): Drinking Water (441093-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC910847 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.261	ND	9.134	mg/L	101%		80-120	1
Nitrogen, Nitrate	9.203	0.08893	9.036	mg/L	101%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC910848	**Batch:**	262126
Matrix (Source ID):	Drinking Water (441093-002)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC910848 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.218	ND	9.134	mg/L	101%		80-120	0	20	1
Nitrogen, Nitrate	9.128	0.08893	9.036	mg/L	100%		80-120	1	20	1

Type:	Blank	**Lab ID:**	QC911034	**Batch:**	262195
Matrix:	Water	**Method:**	SM2540C	**Prep Method:**	METHOD

QC911034 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/26/21	02/27/21

Type:	Lab Control Sample	**Lab ID:**	QC911035	**Batch:**	262195
Matrix:	Water	**Method:**	SM2540C	**Prep Method:**	METHOD

QC911035 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	103.0	100.0	mg/L	103%		90-110

Type:	Sample Duplicate	**Lab ID:**	QC911036	**Batch:**	262195
Matrix (Source ID):	Water (441311-010)	**Method:**	SM2540C	**Prep Method:**	METHOD

QC911036 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	19,440	19470	mg/L		0	5	10

Type:	Blank	**Lab ID:**	QC911131	**Batch:**	262233
Matrix:	Water	**Method:**	SM 4500-P-B5-E		

QC911131 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	02/26/21	02/26/21

Type:	Lab Control Sample	**Lab ID:**	QC911132	**Batch:**	262233
Matrix:	Water	**Method:**	SM 4500-P-B5-E		

QC911132 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3630	0.4000	mg/L	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	**Lab ID:** QC911133	**Batch:** 262233
Matrix (Source ID): Water (441388-001)	**Method:** SM 4500-P-B5-E	

QC911133 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9725	0.08200	1.000	mg/L	89%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC911134	**Batch:** 262233
Matrix (Source ID): Water (441388-001)	**Method:** SM 4500-P-B5-E	

QC911134 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.053	0.08200	1.000	mg/L	97%		75-125	8	20	2.5

Type: Blank	**Lab ID:** QC911181	**Batch:** 262247
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC911181 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/26/21	02/28/21

Type: Lab Control Sample	**Lab ID:** QC911182	**Batch:** 262247
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC911182 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.436	2.500	mg/L	97%		90-110

Type: Matrix Spike	**Lab ID:** QC911183	**Batch:** 262247
Matrix (Source ID): Water (441388-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC911183 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.67	0.6710	12.50	mg/L	104%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC911184	**Batch:** 262247
Matrix (Source ID): Water (441388-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC911184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.32	0.6710	12.50	mg/L	101%		90-110	3	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC911674**	**Batch: 262418**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC911674 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/03/21	03/03/21

Type: Lab Control Sample	**Lab ID: QC911675**	**Batch: 262418**
Matrix: Water	**Method: SM 4500-NH3-G**	

QC911675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.261	2.500	mg/L	90%		80-120

Type: Matrix Spike	**Lab ID: QC911676**	**Batch: 262418**
Matrix (Source ID): Water (441452-001)	**Method: SM 4500-NH3-G**	

QC911676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.132	ND	2.500	mg/L	85%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID: QC911677**	**Batch: 262418**
Matrix (Source ID): Water (441452-001)	**Method: SM 4500-NH3-G**	

QC911677 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.018	ND	2.500	mg/L	81%		80-120	5	20	1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

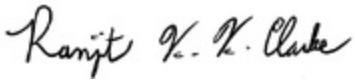
Lab Job Number: 441454
Report Level: II
Report Date: 03/05/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	441454
Project No:	MALIBU
Location:	Malibu - Semi-Annual
Date Received:	02/26/21

Sample ID	Lab ID	Collected	Matrix
MCWP-MW10	441454-001	02/26/21 09:55	Water
MCWP-MW06	441454-002	02/26/21 11:30	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 421454	Standard: X / 4 Day: / 3 Day: / 2 Day: / 1 Day: / Same Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	
Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Semi-Annual
Report To:	Kiernan Brtalik	Number:	2
Email:		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
~~SMBRP-13~~						X	X	X	X	X		MC
MCWP-MW10	2/26/21	0955	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
~~SMBRP-11~~						X	X	X	X	X		MC
~~LAMW-5S~~						X	X	X	X	X		MC
~~MCWP-MW05~~										X	X	MC
MCWP-MW06	2/26/21	1130	W							X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		MICHELLE CARTER	RINCON CONSULTANTS	2/26/21 / 1307
[1] Received By:		John Nicholson	E.A.	2/26/21 / 1307
[2] Relinquished By:		John Nicholson	E.A.	2/26/21 / 1501
[2] Received By:		Elizabeth Ramirez	EA	2/26/21 15:01
[3] Relinquished By:				

0.9/47

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu-Semi Annual

Date Received: 2/26/2021

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: 4.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/26/2021

ENTHALPY ANALYTICAL

Analysis Results for 441454

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 441454
Project No: MALIBU
Location: Malibu - Semi-Annual
Date Received: 02/26/21

Sample ID: MCWP-MW10 **Lab ID: 441454-001** **Collected: 02/26/21 09:55**
Matrix: Water

441454-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	1	262183	02/26/21 12:00	02/26/21 23:21	SBW
Nitrogen, Nitrate	**0.82**		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 23:21	SBW
Nitrogen, Nitrate/Nitrite	**0.82**		mg/L	0.10		1	262183	02/26/21 12:00	02/26/21 23:21	SBW
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.28**	J	mg/L	0.40	0.030	1	262249	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.28**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.044**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Coliform, Total	**9.7**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,800**		mg/L	20		2	262195	02/26/21	02/27/21	WWC

Sample ID: MCWP-MW06 **Lab ID: 441454-002** **Collected: 02/26/21 11:30**
Matrix: Water

441454-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 23:46	SBW
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	262195	02/26/21	02/27/21	WWC

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:**	**QC911006**	**Batch:**	**262183**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911006 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/26/21 12:00	02/26/21 12:45
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/26/21 12:00	02/26/21 12:45
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/26/21 12:00	02/26/21 12:45

Type:	**Lab Control Sample**	**Lab ID:**	**QC911007**	**Batch:**	**262183**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911007 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.260	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	8.585	9.036	mg/L	95%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC911008**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911008 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.069	ND	9.134	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.298	ND	9.036	mg/L	103%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911009**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911009 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	8.848	ND	9.134	mg/L	97%		80-120	2	20	1
Nitrogen, Nitrate	9.305	ND	9.036	mg/L	103%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC911084**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911084 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.307	ND	9.134	mg/L	102%		80-120	1
Nitrogen, Nitrate	8.588	ND	9.036	mg/L	95%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	**Lab ID:**	QC911085	**Batch:**	262183
Matrix (Source ID):	Drinking Water (441418-002)	**Method:**	EPA 300.0	**Prep Method:**	METHOD

QC911085 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.237	ND	9.134	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	8.938	ND	9.036	mg/L	99%		80-120	4	20	1

Type:	Blank	**Lab ID:**	QC911034	**Batch:**	262195
Matrix:	Water	**Method:**	SM2540C	**Prep Method:**	METHOD

QC911034 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		02/26/21	02/27/21

Type:	Lab Control Sample	**Lab ID:**	QC911035	**Batch:**	262195
Matrix:	Water	**Method:**	SM2540C	**Prep Method:**	METHOD

QC911035 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	103.0	100.0	mg/L	103%		90-110

Type:	Sample Duplicate	**Lab ID:**	QC911036	**Batch:**	262195
Matrix (Source ID):	Water (441311-010)	**Method:**	SM2540C	**Prep Method:**	METHOD

QC911036 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	19,440	19470	mg/L		0	5	10

Type:	Blank	**Lab ID:**	QC911131	**Batch:**	262233
Matrix:	Water	**Method:**	SM 4500-P-B5-E		

QC911131 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	02/26/21	02/26/21

Type:	Lab Control Sample	**Lab ID:**	QC911132	**Batch:**	262233
Matrix:	Water	**Method:**	SM 4500-P-B5-E		

QC911132 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3630	0.4000	mg/L	91%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC911133**	**Batch:**	**262233**
Matrix (Source ID):	**Water (441388-001)**	**Method:**	**SM 4500-P-B5-E**		

QC911133 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9725	0.08200	1.000	mg/L	89%		75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911134**	**Batch:**	**262233**
Matrix (Source ID):	**Water (441388-001)**	**Method:**	**SM 4500-P-B5-E**		

QC911134 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.053	0.08200	1.000	mg/L	97%		75-125	8	20	2.5

Type:	**Blank**	**Lab ID:**	**QC911189**	**Batch:**	**262249**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC911189 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/28/21	02/28/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC911190**	**Batch:**	**262249**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC911190 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.433	2.500	mg/L	97%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC911191**	**Batch:**	**262249**
Matrix (Source ID):	**Water (441452-001)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC911191 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.14	ND	12.50	mg/L	89%	*	90-110	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911192**	**Batch:**	**262249**
Matrix (Source ID):	**Water (441452-001)**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC911192 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	11.75	ND	12.50	mg/L	94%		90-110	5	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC911674	**Batch:** 262418
Matrix: Water	**Method:** SM 4500-NH3-G	

QC911674 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/03/21	03/03/21

Type: Lab Control Sample	**Lab ID:** QC911675	**Batch:** 262418
Matrix: Water	**Method:** SM 4500-NH3-G	

QC911675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.261	2.500	mg/L	90%		80-120

Type: Matrix Spike	**Lab ID:** QC911676	**Batch:** 262418
Matrix (Source ID): Water (441452-001)	**Method:** SM 4500-NH3-G	

QC911676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.132	ND	2.500	mg/L	85%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC911677	**Batch:** 262418
Matrix (Source ID): Water (441452-001)	**Method:** SM 4500-NH3-G	

QC911677 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.018	ND	2.500	mg/L	81%		80-120	5	20	1

* Value is outside QC limits
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

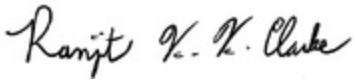
Lab Job Number: 441452
Report Level: II
Report Date: 03/05/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly/Semi-Annual

Authorized for release by:



Ranjit K Clarke, Project Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 441452
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 02/26/21

Sample ID	Lab ID	Collected	Matrix
N-001	441452-001	02/26/21 11:55	Water
N-002	441452-002	02/26/21 12:05	Water
N-003	441452-003	02/26/21 11:40	Water
N-004	441452-004	02/26/21 10:10	Water
L-001	441452-005	02/26/21 10:35	Water
L-002	441452-006	02/26/21 12:45	Water
L-003	441452-007	02/26/21 10:55	Water
L-004	441452-008	02/26/21 11:10	Water
L-005	441452-009	02/26/21 11:35	Water
L-006	441452-010	02/26/21 12:25	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: 441452		Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1 of 1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group									
1 Park Plaza, Suite 1000, Irvine, CA 92614									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly/Semi-Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Jaime McClain

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus, Organic Nitrogen	Test Instructions / Comments
N-001	2/24/21	1155	water	250 4		X	X	X	
N-002		1205				X	X	X	
N-003		1140				X	X	X	
N-004		1010				X	X	X	
L-001		1035				X	X	X	
L-002		1245				X	X	X	
L-003		1055				X	X	X	
L-004		1110				X	X	X	
L-005		1135				X	X	X	
L-006	↓	1225	↓	↓		X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Jaime McClain	Rincon / Biologist	2/24/21 / 1307
[1] Received By:		John Nicholson	E.A	2/26/21 / 1307
[2] Relinquished By:		John Nicholson	E.A.	2/26/21 / 1501
[2] Received By:		Elizabeth Ramirez	E.A	2/26/21 1501
[3] Relinquished By:				

0.9 / 41

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu-Quarterly/Semi-Annual

Date Received: 2/26/2021 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: 4.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 2/26/2021

ENTHALPY ANALYTICAL

Analysis Results for 441452

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 441452
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 02/26/21

Sample ID: N-001 **Lab ID: 441452-001** **Collected: 02/26/21 11:55**
Matrix: Water

441452-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 12:41	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 16:01	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 12:41	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	ND		mg/L	0.40	0.030	1	262249	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	ND		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.81**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**340**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441452

Sample ID: N-002	Lab ID: 441452-002	Collected: 02/26/21 12:05
	Matrix: Water	

441452-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 13:05	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 16:25	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 13:05	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.096**	J	mg/L	0.40	0.030	1	262247	02/26/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.096**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.66**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**72**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Sample ID: N-003	Lab ID: 441452-003	Collected: 02/26/21 11:40
	Matrix: Water	

441452-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 13:30	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 18:28	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 13:30	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.53**		mg/L	0.40	0.030	1	262247	02/26/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.53**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.077**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**180**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441452

Sample ID: N-004	Lab ID: 441452-004	Collected: 02/26/21 10:10
	Matrix: Water	

441452-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 13:54	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 18:52	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 13:54	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.030	1	262247	02/26/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.41**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.27**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**160**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Sample ID: L-001	Lab ID: 441452-005	Collected: 02/26/21 10:35
	Matrix: Water	

441452-005 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.18	10	262183	02/26/21 12:00	02/27/21 14:19	RKV
Nitrogen, Nitrate	**2.0**		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 19:17	RKV
Nitrogen, Nitrate/Nitrite	**2.0**		mg/L	0.10		10	262183	02/26/21 12:00	02/27/21 14:19	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.75**		mg/L	0.40	0.030	1	262247	02/26/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.75**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.67**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**57**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441452

Sample ID: L-002	Lab ID: 441452-006	Collected: 02/26/21 12:45
	Matrix: Water	

441452-006 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	0.36	20	262183	02/26/21 12:00	02/27/21 14:43	RKV
Nitrogen, Nitrate	**1.8**		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 19:41	RKV
Nitrogen, Nitrate/Nitrite	**1.8**		mg/L	0.10		20	262183	02/26/21 12:00	02/27/21 14:43	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.31**	J	mg/L	0.40	0.030	1	262247	02/26/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.31**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.60**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**34**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Sample ID: L-003	Lab ID: 441452-007	Collected: 02/26/21 10:55
	Matrix: Water	

441452-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.36	20	262183	02/26/21 12:00	02/27/21 15:07	RKV
Nitrogen, Nitrate	**1.6**		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 20:05	RKV
Nitrogen, Nitrate/Nitrite	**1.6**		mg/L	0.10		20	262183	02/26/21 12:00	02/27/21 15:07	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.44**		mg/L	0.40	0.030	1	262249	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.44**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.49**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**18**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441452

Sample ID: L-004	Lab ID: 441452-008	Collected: 02/26/21 11:10
	Matrix: Water	

441452-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 15:32	RKV
Nitrogen, Nitrate	**1.5**		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 20:30	RKV
Nitrogen, Nitrate/Nitrite	**1.5**		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 15:32	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.55**		mg/L	0.40	0.030	1	262249	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.55**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.50**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**17**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Sample ID: L-005	Lab ID: 441452-009	Collected: 02/26/21 11:35
	Matrix: Water	

441452-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 15:56	RKV
Nitrogen, Nitrate	**0.28**		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 20:54	RKV
Nitrogen, Nitrate/Nitrite	**0.28**		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 15:56	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.39**	J	mg/L	0.40	0.030	1	262249	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.39**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.22**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**23**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 441452

Sample ID: L-006	Lab ID: 441452-010	Collected: 02/26/21 12:25
	Matrix: Water	

441452-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	5.0	0.90	50	262183	02/26/21 12:00	02/27/21 16:21	RKV
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	262183	02/26/21 12:00	02/26/21 22:57	RKV
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		50	262183	02/26/21 12:00	02/27/21 16:21	RKV
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**2.6**		mg/L	0.40	0.030	1	262249	02/28/21	02/28/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**2.6**		mg/L			1	262551	03/04/21	03/04/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	262418	03/03/21	03/03/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.26**		mg/L	0.020	0.010	1	262233	02/26/21	02/26/21	SGC
Method: SM 9223Bb										
Fecal Coliform	**390**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	262225	02/26/21 16:39	02/27/21 14:15	CCO

< 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:**	**QC911006**	**Batch:**	**262183**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911006 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.02	02/26/21 12:00	02/26/21 12:45
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	02/26/21 12:00	02/26/21 12:45
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		02/26/21 12:00	02/26/21 12:45

Type:	**Lab Control Sample**	**Lab ID:**	**QC911007**	**Batch:**	**262183**
Matrix:	**Drinking Water**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911007 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.260	9.134	mg/L	101%		90-110
Nitrogen, Nitrate	8.585	9.036	mg/L	95%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC911008**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911008 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.069	ND	9.134	mg/L	99%		80-120	1
Nitrogen, Nitrate	9.298	ND	9.036	mg/L	103%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911009**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911009 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	8.848	ND	9.134	mg/L	97%		80-120	2	20	1
Nitrogen, Nitrate	9.305	ND	9.036	mg/L	103%		80-120	0	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC911084**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911084 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.307	ND	9.134	mg/L	102%		80-120	1
Nitrogen, Nitrate	8.588	ND	9.036	mg/L	95%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911085**	**Batch:**	**262183**
Matrix (Source ID):	**Drinking Water (441418-002)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC911085 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.237	ND	9.134	mg/L	101%		80-120	1	20	1
Nitrogen, Nitrate	8.938	ND	9.036	mg/L	99%		80-120	4	20	1

Type:	**Blank**	**Lab ID:**	**QC911131**	**Batch:**	**262233**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC911131 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	02/26/21	02/26/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC911132**	**Batch:**	**262233**
Matrix:	**Water**	**Method:**	**SM 4500-P-B5-E**		

QC911132 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.3630	0.4000	mg/L	91%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC911133**	**Batch:**	**262233**
Matrix (Source ID):	**Water (441388-001)**	**Method:**	**SM 4500-P-B5-E**		

QC911133 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	0.9725	0.08200	1.000	mg/L	89%		75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC911134**	**Batch:**	**262233**
Matrix (Source ID):	**Water (441388-001)**	**Method:**	**SM 4500-P-B5-E**		

QC911134 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.053	0.08200	1.000	mg/L	97%		75-125	8	20	2.5

Type:	**Blank**	**Lab ID:**	**QC911181**	**Batch:**	**262247**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC911181 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/26/21	02/28/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC911182	Batch: 262247
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC911182 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.436	2.500	mg/L	97%		90-110

Type: Matrix Spike	Lab ID: QC911183	Batch: 262247
Matrix (Source ID): Water (441388-001)	Method: EPA 351.2	Prep Method: METHOD

QC911183 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	13.67	0.6710	12.50	mg/L	104%		90-110	2.5

Type: Matrix Spike Duplicate	Lab ID: QC911184	Batch: 262247
Matrix (Source ID): Water (441388-001)	Method: EPA 351.2	Prep Method: METHOD

QC911184 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.32	0.6710	12.50	mg/L	101%		90-110	3	20	2.5

Type: Blank	Lab ID: QC911189	Batch: 262249
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC911189 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	02/28/21	02/28/21

Type: Lab Control Sample	Lab ID: QC911190	Batch: 262249
Matrix: Water	Method: EPA 351.2	Prep Method: METHOD

QC911190 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.433	2.500	mg/L	97%		90-110

Type: Matrix Spike	Lab ID: QC911191	Batch: 262249
Matrix (Source ID): Water (441452-001)	Method: EPA 351.2	Prep Method: METHOD

QC911191 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.14	ND	12.50	mg/L	89%	*	90-110	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike Duplicate	**Lab ID:** QC911192	**Batch:** 262249
Matrix (Source ID): Water (441452-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC911192 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	11.75	ND	12.50	mg/L	94%		90-110	5	20	2.5

Type: Blank	**Lab ID:** QC911674	**Batch:** 262418
Matrix: Water	**Method:** SM 4500-NH3-G	

QC911674 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	03/03/21	03/03/21

Type: Lab Control Sample	**Lab ID:** QC911675	**Batch:** 262418
Matrix: Water	**Method:** SM 4500-NH3-G	

QC911675 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.261	2.500	mg/L	90%		80-120

Type: Matrix Spike	**Lab ID:** QC911676	**Batch:** 262418
Matrix (Source ID): Water (441452-001)	**Method:** SM 4500-NH3-G	

QC911676 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.132	ND	2.500	mg/L	85%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC911677	**Batch:** 262418
Matrix (Source ID): Water (441452-001)	**Method:** SM 4500-NH3-G	

QC911677 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.018	ND	2.500	mg/L	81%		80-120	5	20	1

* Value is outside QC limits

ND Not Detected

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road

Midlothian, VA 23112

Phone: (804) 763-1200

Certificate No. **2508 RECIPROCITY**

Expiration Date **6/30/2021**

***As of 7/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method	Primary Accreditation Body
121.010	001	Bulk Asbestos	EPA 600/M4-82-020	NVLAP

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate No. **3046**
Expiration Date **4/30/2021**

Field of Testing:	105 - Semi-volatile Organic Chemistry of Drinking Water		
105.230	000	Dioxins	EPA 1613 B
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B
Field of Testing:	111 - Semi-volatile Organic Chemistry of Wastewater		
111.111	000	Dioxins and Dibenzofurans	EPA 1613 B
Field of Testing:	117 - Semi-volatile Organic Chemistry of Hazardous Waste		
117.130	000	Dioxins and Dibenzofurans	EPA 8290

As of 5/15/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Enthalpy Analytical LLC

2323 Fifth Street

Berkeley, CA 94710

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2896**

Expiration Date: **1/31/2021**

Effective Date: **2/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Enthalpy Analytical LLC

2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Certificate No. **2896**
Expiration Date **1/31/2021**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.045	001	Perchlorate	EPA 314.0

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Chlorine, Total Residual	SM 4500-Cl C-2011
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.502	002	Ammonia (as N)	SM 4500-NH3 B,E-1997
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.552	001	Silica, Dissolved	SM 4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000

108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8

109.190	001	Mercury	EPA 245.1	
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater				
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
111.100	000	Base/Neutral & Acid Organics	EPA 625	
111.170	000	Organochlorine Pesticides and PCBs	EPA 608	
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste				
114.010	001	Antimony	EPA 6010 B	
114.010	002	Arsenic	EPA 6010 B	
114.010	003	Barium	EPA 6010 B	
114.010	004	Beryllium	EPA 6010 B	
114.010	005	Cadmium	EPA 6010 B	
114.010	006	Chromium	EPA 6010 B	
114.010	007	Cobalt	EPA 6010 B	
114.010	008	Copper	EPA 6010 B	
114.010	009	Lead	EPA 6010 B	
114.010	010	Molybdenum	EPA 6010 B	
114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196 A	Aqueous Only
114.106	001	Chromium (VI)	EPA 7199	Aqueous Only
114.140	001	Mercury	EPA 7470 A	Aqueous Only

114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	Interim
114.240	001	Corrosivity - pH Determination	EPA 9040 B	Interim
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	Interim

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310	Aqueous Only
117.170	000	Nitroaromatics and Nitramines	EPA 8330	Aqueous Only
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.070	001	Corrosivity - pH Determination	EPA 9040 B	Interim
120.080	001	Corrosivity - pH Determination	EPA 9045 C	

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Eurofins Calscience

Irvine

17461 Derian Avenue

Irvine, CA 92614-5817

Phone: (949) 261-1022

Certificate No. **2706**

Expiration Date **6/30/2021** **INTERIM**

***As of 7/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997

Subgroup Code	Analyte Code	Analyte	Method
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.121	001	Hardness	SM 2340 C-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.200	001	Fluoride	SM 4500-F C-1997
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000
102.564	001	Cyanide, Total	Kelada-01

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.092	001	Uranium	EPA 200.8

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus, Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	007	Phosphate, Ortho (as P)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.037	001	Phosphate, Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus, Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.061	001	Acidity	SM 2310 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.067	001	Hardness	SM 2340 C-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.335	001	Cyanide, Total	Kelada-01

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.685	002	Chromium (VI)	SM 3500-Cr B-2011
109.693	001	Iron	SM 3500-Fe B-2011

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3

Subgroup Code	Analyte Code	Analyte	Method
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.260	041	N-nitrosodimethylamine	EPA 1625 B

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.230	001	Sulfides, Total	EPA 9034
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056
114.270	001	Fluoride	EPA 9214

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.020	001	Ignitability	EPA 1020A
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Fruit Growers Laboratory, Inc.

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Phone: (805) 392-2000

Certificate No. **1573**

Expiration Date **7/31/2021**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	002	Fecal Coliform P/A	SM 9221 B, E
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1

Subgroup Code	Analyte Code	Analyte	Method
105.175	004	Dibromochloromethane (Chlorodibromomethane)	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.050	002	Radium-226	EPA 903.0
106.080	001	Tritium	EPA 906.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C, E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus, Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.267	001	Phosphorus, Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus, Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.020	001	Total Alpha Radium	EPA 903.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	002	Arsenic	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	012	Selenium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	014	Thallium	EPA 6020
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.210	000	Organochlorine Pesticides	EPA 8081 A Aqueous Only
117.220	000	PCBs	EPA 8082 Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A Aqueous Only

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649

Phone: (714) 828-4999

Certificate No. **1406**

Expiration Date **1/31/2022**

***As of 2/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.070	001	Corrosivity – pH Determination	EPA 9040 B
120.080	001	Corrosivity – pH Determination	EPA 9045 C

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

North Coast Laboratories, Ltd.

5680 West End Road

Arcata, CA 95521

Phone: (707) 822-4649

Certificate No. **1247**

Expiration Date **7/31/2021** **INTERIM**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997

Subgroup Code	Analyte Code	Analyte	Method
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	001	Benzene	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1

Subgroup Code	Analyte Code	Analyte	Method
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.005	001	E. coli (Enumeration)	SM 9223 B-2004

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.053	002	Oil & Grease Total	EPA 1664 B
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.140	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 D-2011
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011
108.225	001	Surfactants	SM 5540 C-2011
108.325	001	Chemical Oxygen Demand	Hach 8000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.687	001	Chromium (VI)	SM 3500-Cr C-2011

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.030	002	Bis(2-ethylhexyl)phthalate	EPA 606
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	038	Chlorothalonil	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.120	001	2,4-D	EPA 615
111.120	002	2,4-DB	EPA 615
111.120	003	Dicamba	EPA 615
111.120	004	Dichlorprop	EPA 615
111.120	005	Dinoseb	EPA 615
111.120	008	2,4,5-T	EPA 615
111.120	009	2,4,5-TP (Silvex)	EPA 615
111.140	001	Ametryn	EPA 619
111.140	002	Atraton	EPA 619
111.140	003	Atrazine	EPA 619

Subgroup Code	Analyte Code	Analyte	Method
111.140	004	Prometon	EPA 619
111.140	005	Prometryn	EPA 619
111.140	006	Propazine	EPA 619
111.140	008	Simazine	EPA 619
111.140	010	Terbutryn	EPA 619
111.190	008	Ziram (Zinc Dimethyldithiocarbamate)	EPA 630
111.210	002	Barban	EPA 632
111.210	003	Carbaryl	EPA 632
111.210	004	Carbofuran	EPA 632
111.210	005	Chloropropham	EPA 632
111.210	006	Diuron	EPA 632
111.210	007	Fenuron	EPA 632
111.210	009	Linuron	EPA 632
111.210	010	Methiocarb	EPA 632
111.210	011	Methomyl	EPA 632
111.210	013	Monuron	EPA 632
111.210	015	Neburon	EPA 632
111.210	016	Propham	EPA 632
111.210	017	Propoxur	EPA 632
111.210	018	Siduron	EPA 632
111.210	019	Swep	EPA 632

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.150	000	Carbonyl Compounds	EPA 8315 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.280	000	Carbamates	EPA 8321 A

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Pat-Chem Laboratories

1824 First Street
San Fernando, CA 91340
Phone: 8186395300

Certificate No. 1531
Expiration Date 5/31/2021

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.010	002	Heterotrophic Bacteria	SimPlate
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999

102.192	001	Cyanide, Amenable	SM 4500-CN G-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2

104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Phthalate & Adipate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.070	000	Chlorinated Acids	EPA 515.1
105.070	001	Bentazon	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	003	Dalapon	EPA 515.1
105.070	004	Dicamba	EPA 515.1

105.070	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP (Silvex)	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate,Ortho (as P)	EPA 365.1

108.261	001	Phosphorus,Total	EPA 365.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.444	001	Temperature	SM 2550 B-2010
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.465	002	Chlorine, Free	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.596	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7

109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM 3500-Cr B-2009

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B

114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310

117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

Phone: (626) 336-2139

Certificate No. **1132**

Expiration Date **3/31/2022**

***As of 4/7/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.020	006	E. coli (Enumeration)	SM 9221 B, F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.048	001	Perchlorate	EPA 332.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate, Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethene	EPA 524.4
104.058	008	trans-1,2-Dichloroethene	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethene	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.050	000	Organochlorine Pesticides	EPA 508.1
105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1
105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016	EPA 508.1
105.050	022	PCB-1221	EPA 508.1
105.050	023	PCB-1232	EPA 508.1
105.050	024	PCB-1242	EPA 508.1
105.050	025	PCB-1248	EPA 508.1
105.050	026	PCB-1254	EPA 508.1
105.050	027	PCB-1260	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4

Subgroup Code	Analyte Code	Analyte	Method
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2
105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	031	Disinfection Byproducts	EPA 551.1
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3
105.210	002	2,4-D	EPA 555
105.210	004	Dinoseb	EPA 555
105.210	005	Pentachlorophenol	EPA 555
105.210	006	Picloram	EPA 555
105.210	007	2,4,5-TP (Silvex)	EPA 555
105.210	008	Bentazon	EPA 555
105.215	001	Haloacetic Acids (HAA5)	EPA 557
105.215	002	Dalapon	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	EPA 1613 B

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.001	003	E. coli (Enumeration)	SM 9221 C, F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18
107.017	001	Enterococci	Enterolert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus, Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.019	001	Bromide	EPA 300.1 (1997 Rev.1.0)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.035	001	Phosphate, Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus, Total	EPA 365.1 (1993 Rev. 2.0)
108.037	001	Phosphate, Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus, Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.049	001	Phenols, Total	EPA 420.4 (1993 Rev. 2.0)
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011

Subgroup Code	Analyte Code	Analyte	Method
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.657	001	Mercury	EPA 1631 E (2002)

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.070	002	n-Amyl Acetate	EPA 1666
110.070	004	n-Butyl Acetate	EPA 1666
110.070	005	tert-Butyl Alcohol (TBA)	EPA 1666
110.070	006	Diethylamine	EPA 1666
110.070	007	Dimethyl Sulfoxide	EPA 1666
110.070	009	Ethyl Acetate	EPA 1666
110.070	010	n-Heptane	EPA 1666
110.070	011	n-Hexane	EPA 1666
110.070	012	Isobutyraldehyde	EPA 1666
110.070	013	Isopropyl Acetate	EPA 1666
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666
110.070	015	Isopropyl Ether (DIPE)	EPA 1666
110.070	017	2-Methoxyethanol	EPA 1666
110.070	018	Methyl Formate	EPA 1666
110.070	019	4-Methyl-2-pentanone (MIBK)	EPA 1666
110.070	021	Tetrahydrofuran	EPA 1666
110.070	022	Triethylamine	EPA 1666
110.070	023	m-Xylene	EPA 1666
110.070	024	o-Xylene	EPA 1666
110.070	025	p-Xylene	EPA 1666

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3

Subgroup Code	Analyte Code	Analyte	Method
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	050	Pentachloronitrobenzene (PCNB)	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.210	006	Diuron	EPA 632
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitrosodi-n-propylamine	EPA 1625 B
111.260	043	N-nitrosodiphenylamine	EPA 1625 B

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.020	030	Nonhalogenated Volatiles	EPA 8015 B
116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.003	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert

			ACCREDITED FIELD OF TESTING (FOT)																											
LABORATORY	**ELAP**	**EXPIRES**	**101**	**102**	**103**	**104**	**105**	**106**	**107**	**108**	**109**	**110**	**111**	**112**	**113**	**114**	**115**	**116**	**117**	**118**	**119**	**120**	**121**	**122**	**123**	**124**	**125**	**126**	**127**	**128**	**129**
AmeriSci	2508	06/30/2021																					X								
CERES Analytical Laboratory	3046	04/30/2021					X						X						X												
Enthalpy Analytical	2896	01/31/2021		X						X	X	X	X			X	X	X	X			X									
Eurofins Calscience	2944	06/30/2021		X	X	X				X	X	X	X			X	X	X	X		X	X									
Fruit Growers Laboratory	1573	07/31/2021	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X									X			
LA Testing	1406	01/31/2022														X	X					X	X								
North Coast Laboratories	1247	07/31/2021	X	X	X	X	X		X	X	X	X	X			X	X	X	X												
Pat-Chem Laboratories	1531	05/31/2021	X	X	X	X	X		X	X	X	X	X			X	X	X	X			X						X			
Weck Laboratories	1132	03/31/2022	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X			X						X			

FOT KEY:

E101 - Microbiology of Drinking Water
E102 - Inorganic Chemistry of Drinking Water
E103 - Toxic Chemical Elements of Drinking Water
E104 - Volatile Organic Chemistry of Drinking Water
E105 - Semi-volatile Organic Chemistry of Drinking Water
E106 - Radiochemistry of Drinking Water
E107 - Microbiology of Wastewater
E108 - Inorganic Chemistry of Wastewater
E109 - Toxic Chemical Elements of Wastewater
E110 - Volatile Organic Chemistry of Wastewater
E111 - Semi-volatile Organic Chemistry of Wastewater
E112 - Radiochemistry of Wastewater
E113 - Whole Effluent Toxicity of Wastewater
E114 - Inorganic Chemistry & Toxic Chemical Elements of Hazardous Waste
E115 - Extraction Test of Hazardous Waste

E116 - Volatile Organic Chemistry of Hazardous Waste
E117 - Semi-volatile Organic Chemistry of Hazardous Waste
E118 - Radiochemistry of Hazardous Waste
E119 - Toxicity Bioassay of Hazardous Waste
E120 - Physical Properties of Hazardous Waste
E121 - Bulk Asbestos Analysis of Hazardous Waste
E122 - Microbiology of Food (under development)
E123 - Inorganic Chemistry and Toxic Chemical Elements of Pesticide Residues in Food (under development)
E124 - Organic Chemistry of Pesticide Residues in Food (measurements by MS techniques)
E125 - Organic Chemistry of Pesticide Residues in Food (excluding measurements by MS techniques)
E126 - Microbiology of Recreational Water
E127 - Shellfish Sanitation
E128 - Air Quality Monitoring (under development)
E129 - Parasites in Potable Water

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

America Science Team of Richmond, Inc. dba AmeriSci Richmond

13635 Genito Road

Midlothian, VA 23112

Phone: (804) 763-1200

Certificate No. **2508 RECIPROCITY**

Expiration Date **6/30/2021**

***As of 7/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method	Primary Accreditation Body
121.010	001	Bulk Asbestos	EPA 600/M4-82-020	NVLAP

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate No. **3046**
Expiration Date **4/30/2021**

Field of Testing:	105 - Semi-volatile Organic Chemistry of Drinking Water		
105.230	000	Dioxins	EPA 1613 B
105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screen	EPA 1613 B
Field of Testing:	111 - Semi-volatile Organic Chemistry of Wastewater		
111.111	000	Dioxins and Dibenzofurans	EPA 1613 B
Field of Testing:	117 - Semi-volatile Organic Chemistry of Hazardous Waste		
117.130	000	Dioxins and Dibenzofurans	EPA 8290

As of 5/15/2019 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Enthalpy Analytical LLC

2323 Fifth Street

Berkeley, CA 94710

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2896**

Expiration Date: **1/31/2021**

Effective Date: **2/1/2019**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Enthalpy Analytical LLC

2323 Fifth Street
Berkeley, CA 94710
Phone: (510) 486-0900

Certificate No. **2896**
Expiration Date **1/31/2021**

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.045	001	Perchlorate	EPA 314.0

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.112	002	Calcium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Chlorine, Total Residual	SM 4500-Cl C-2011
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.501	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-1997
108.502	002	Ammonia (as N)	SM 4500-NH3 B,E-1997
108.540	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus,Total	SM 4500-P E-1999
108.552	001	Silica, Dissolved	SM 4500-SiO2 C-1997
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000

108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8

109.190	001	Mercury	EPA 245.1	
Field of Testing: 110 - Volatile Organic Chemistry of Wastewater				
110.040	000	Purgeable Organic Compounds	EPA 624	
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater				
111.100	000	Base/Neutral & Acid Organics	EPA 625	
111.170	000	Organochlorine Pesticides and PCBs	EPA 608	
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste				
114.010	001	Antimony	EPA 6010 B	
114.010	002	Arsenic	EPA 6010 B	
114.010	003	Barium	EPA 6010 B	
114.010	004	Beryllium	EPA 6010 B	
114.010	005	Cadmium	EPA 6010 B	
114.010	006	Chromium	EPA 6010 B	
114.010	007	Cobalt	EPA 6010 B	
114.010	008	Copper	EPA 6010 B	
114.010	009	Lead	EPA 6010 B	
114.010	010	Molybdenum	EPA 6010 B	
114.010	011	Nickel	EPA 6010 B	
114.010	012	Selenium	EPA 6010 B	
114.010	013	Silver	EPA 6010 B	
114.010	014	Thallium	EPA 6010 B	
114.010	015	Vanadium	EPA 6010 B	
114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium (VI)	EPA 7196 A	Aqueous Only
114.106	001	Chromium (VI)	EPA 7199	Aqueous Only
114.140	001	Mercury	EPA 7470 A	Aqueous Only

114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.230	001	Sulfides, Total	EPA 9034	Interim
114.240	001	Corrosivity - pH Determination	EPA 9040 B	Interim
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	Interim

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)	

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B	
117.110	000	Extractable Organics	EPA 8270 C	
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310	Aqueous Only
117.170	000	Nitroaromatics and Nitramines	EPA 8330	Aqueous Only
117.210	000	Organochlorine Pesticides	EPA 8081 A	Aqueous Only
117.220	000	PCBs	EPA 8082	Aqueous Only

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010	
120.070	001	Corrosivity - pH Determination	EPA 9040 B	Interim
120.080	001	Corrosivity - pH Determination	EPA 9045 C	

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Eurofins Calscience

Irvine

17461 Derian Avenue

Irvine, CA 92614-5817

Phone: (949) 261-1022

Certificate No. **2706**

Expiration Date **6/30/2021** **INTERIM**

***As of 7/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997

Subgroup Code	Analyte Code	Analyte	Method
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.121	001	Hardness	SM 2340 C-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.200	001	Fluoride	SM 4500-F C-1997
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000
102.564	001	Cyanide, Total	Kelada-01

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.092	001	Uranium	EPA 200.8

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus, Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	007	Phosphate, Ortho (as P)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.037	001	Phosphate, Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus, Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.061	001	Acidity	SM 2310 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.067	001	Hardness	SM 2340 C-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.335	001	Cyanide, Total	Kelada-01

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.685	002	Chromium (VI)	SM 3500-Cr B-2011
109.693	001	Iron	SM 3500-Fe B-2011

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3

Subgroup Code	Analyte Code	Analyte	Method
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.260	041	N-nitrosodimethylamine	EPA 1625 B

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.230	001	Sulfides, Total	EPA 9034
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056
114.270	001	Fluoride	EPA 9214

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.023	001	TCLP Volatiles	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.020	001	Ignitability	EPA 1020A
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Fruit Growers Laboratory, Inc.

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Phone: (805) 392-2000

Certificate No. **1573**

Expiration Date **7/31/2021**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	001	Total Coliform P/A	SM 9221 B
101.020	002	Fecal Coliform P/A	SM 9221 B, E
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.050	011	Total Coliform (Enumeration)	SM 9223 B Colisure
101.050	012	E. coli (Enumeration)	SM 9223 B Colisure
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.220	001	Nitrite (as N)	SM 4500-NO2 B-2000
102.234	001	Nitrite (as N)	SM 4500-NO3 F-2000
102.234	002	Nitrate (as N)	SM 4500-NO3 F-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	000	Organochlorine Pesticides and PCBs	EPA 505
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	000	Chlorinated Acids	EPA 515.3
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	000	Carbamates	EPA 531.1
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1

Subgroup Code	Analyte Code	Analyte	Method
105.175	004	Dibromochloromethane (Chlorodibromomethane)	EPA 551.1
105.175	005	Trihalomethanes	EPA 551.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.050	002	Radium-226	EPA 903.0
106.080	001	Tritium	EPA 906.0
106.092	001	Uranium	EPA 200.8
106.170	001	Radium-228	EPA Ra-05
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.010	001	Heterotrophic Bacteria	SM 9215 B
107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C, E-2006
107.242	001	Enterococci	Enterolert
107.245	001	E. coli (Enumeration)	SM 9223 B Colilert 18
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.090	001	Residue, Volatile	EPA 160.4
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
108.112	007	Sodium	EPA 200.7
108.112	008	Phosphorus, Total	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.267	001	Phosphorus, Total	EPA 200.7
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.470	001	Cyanide, Total	SM 4500-CN B or C-1999
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.506	002	Ammonia (as N)	SM 4500-NH3 G-1997
108.514	001	Nitrite (as N)	SM 4500-NO2 B-2000
108.529	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2000
108.529	002	Nitrite (as N)	SM 4500-NO3 F-2000
108.529	003	Nitrate (as N)	SM 4500-NO3 F-2000
108.540	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
108.541	001	Phosphorus, Total	SM 4500-P E-1999
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.597	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.101	000	Organochlorine Pesticides and PCBs	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.020	001	Total Alpha Radium	EPA 903.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	002	Arsenic	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	012	Selenium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	014	Thallium	EPA 6020
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.210	000	Organochlorine Pesticides	EPA 8081 A Aqueous Only
117.220	000	PCBs	EPA 8082 Aqueous Only
117.240	000	Organophosphorus Pesticides	EPA 8141 A Aqueous Only

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649

Phone: (714) 828-4999

Certificate No. **1406**

Expiration Date **1/31/2022**

***As of 2/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.070	001	Corrosivity – pH Determination	EPA 9040 B
120.080	001	Corrosivity – pH Determination	EPA 9045 C

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

North Coast Laboratories, Ltd.

5680 West End Road

Arcata, CA 95521

Phone: (707) 822-4649

Certificate No. **1247**

Expiration Date **7/31/2021** **INTERIM**

***As of 8/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997

Subgroup Code	Analyte Code	Analyte	Method
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.240	001	Phosphate, Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	001	Benzene	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	001	Aldicarb	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl	EPA 531.1
105.100	005	Carbofuran	EPA 531.1

Subgroup Code	Analyte Code	Analyte	Method
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.005	001	E. coli (Enumeration)	SM 9223 B-2004

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.053	002	Oil & Grease Total	EPA 1664 B
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.140	002	Kjeldahl Nitrogen, Total (as N)	SM 4500-NH3 D-2011
108.175	001	Phosphate, Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus, Total	SM 4500-P E-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011
108.225	001	Surfactants	SM 5540 C-2011
108.325	001	Chemical Oxygen Demand	Hach 8000

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.687	001	Chromium (VI)	SM 3500-Cr C-2011

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans-1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.030	002	Bis(2-ethylhexyl)phthalate	EPA 606
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	038	Chlorothalonil	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.120	001	2,4-D	EPA 615
111.120	002	2,4-DB	EPA 615
111.120	003	Dicamba	EPA 615
111.120	004	Dichlorprop	EPA 615
111.120	005	Dinoseb	EPA 615
111.120	008	2,4,5-T	EPA 615
111.120	009	2,4,5-TP (Silvex)	EPA 615
111.140	001	Ametryn	EPA 619
111.140	002	Atraton	EPA 619
111.140	003	Atrazine	EPA 619

Subgroup Code	Analyte Code	Analyte	Method
111.140	004	Prometon	EPA 619
111.140	005	Prometryn	EPA 619
111.140	006	Propazine	EPA 619
111.140	008	Simazine	EPA 619
111.140	010	Terbutryn	EPA 619
111.190	008	Ziram (Zinc Dimethyldithiocarbamate)	EPA 630
111.210	002	Barban	EPA 632
111.210	003	Carbaryl	EPA 632
111.210	004	Carbofuran	EPA 632
111.210	005	Chloropropham	EPA 632
111.210	006	Diuron	EPA 632
111.210	007	Fenuron	EPA 632
111.210	009	Linuron	EPA 632
111.210	010	Methiocarb	EPA 632
111.210	011	Methomyl	EPA 632
111.210	013	Monuron	EPA 632
111.210	015	Neburon	EPA 632
111.210	016	Propham	EPA 632
111.210	017	Propoxur	EPA 632
111.210	018	Siduron	EPA 632
111.210	019	Swep	EPA 632

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.150	000	Carbonyl Compounds	EPA 8315 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.280	000	Carbamates	EPA 8321 A

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Pat-Chem Laboratories

1824 First Street
San Fernando, CA 91340
Phone: 8186395300

Certificate No. 1531
Expiration Date 5/31/2021

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.010	002	Heterotrophic Bacteria	SimPlate
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.095	001	Turbidity	SM 2130 B-2001
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.190	001	Cyanide, Total	SM 4500-CN E-1999

102.192	001	Cyanide, Amenable	SM 4500-CN G-1999
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2

104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Phthalate & Adipate Esters	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.070	000	Chlorinated Acids	EPA 515.1
105.070	001	Bentazon	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	003	Dalapon	EPA 515.1
105.070	004	Dicamba	EPA 515.1

105.070	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP (Silvex)	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.020	002	Total Coliform	SM 9221 B-2006
107.030	002	Total Coliform with Chlorine Present	SM 9221 B-2006
107.040	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM 9221 C,E-2006
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM 9223 B Colilert
107.247	001	E. coli (Enumeration)	SM 9221 B,F-2006

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (Calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate (as SO4)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.211	002	Kjeldahl Nitrogen,Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate,Ortho (as P)	EPA 365.1

108.261	001	Phosphorus,Total	EPA 365.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil & Grease Total	EPA 1664 A
108.390	001	Turbidity	SM 2130 B-2001
108.410	001	Alkalinity	SM 2320 B-1997
108.420	001	Hardness (Calculation)	SM 2340 B-1997
108.430	001	Specific Conductance	SM 2510 B-1997
108.439	001	Residue, Volatile	SM 2540 E-1997
108.440	001	Residue, Total	SM 2540 B-1997
108.441	001	Residue, Filterable TDS	SM 2540 C-1997
108.442	001	Residue, Non-filterable TSS	SM 2540 D-1997
108.443	001	Residue, Settleable	SM 2540 F-1997
108.444	001	Temperature	SM 2550 B-2010
108.465	001	Chlorine, Total Residual	SM 4500-Cl G-2000
108.465	002	Chlorine, Free	SM 4500-Cl G-2000
108.472	001	Cyanide, Total	SM 4500-CN E-1999
108.473	001	Cyanide, Amenable	SM 4500-CN G-1999
108.490	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
108.536	001	Oxygen, Dissolved	SM 4500-O G-2001
108.584	001	Sulfide (as S)	SM 4500-S D-2000
108.592	001	Biochemical Oxygen Demand	SM 5210 B -2001
108.592	002	Carbonaceous BOD	SM 5210 B -2001
108.595	001	Chemical Oxygen Demand	SM 5220 D-1997
108.596	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
108.605	001	Surfactants	SM 5540 C-2000

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7

109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	021	Iron	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.445	002	Chromium (VI)	SM 3500-Cr B-2009

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.210	000	Carbamates	EPA 632

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B

114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196 A
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.030	001	Gasoline-range Organics	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310

117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM 9221 B-2006
126.030	001	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.050	001	Total Coliform (Enumeration)	SM 9223 B Colilert
126.050	002	E. coli (Enumeration)	SM 9223 B Colilert
126.080	001	Enterococci	Enterolert

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

Weck Laboratories, Inc.

14859 East Clark Avenue

City of Industry, CA 91745

Phone: (626) 336-2139

Certificate No. **1132**

Expiration Date **3/31/2022**

***As of 4/7/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 101 – Microbiology of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B, C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B, E
101.020	006	E. coli (Enumeration)	SM 9221 B, F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1
102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.048	001	Perchlorate	EPA 332.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate, Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 – Toxic Chemical Elements of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
103.130	001	Aluminum	EPA 200.7

Subgroup Code	Analyte Code	Analyte	Method
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 – Volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2

Subgroup Code	Analyte Code	Analyte	Method
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethene	EPA 524.4
104.058	008	trans-1,2-Dichloroethene	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethene	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 – Semi-volatile Organic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508
105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.050	000	Organochlorine Pesticides	EPA 508.1
105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1
105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016	EPA 508.1
105.050	022	PCB-1221	EPA 508.1
105.050	023	PCB-1232	EPA 508.1
105.050	024	PCB-1242	EPA 508.1
105.050	025	PCB-1248	EPA 508.1
105.050	026	PCB-1254	EPA 508.1
105.050	027	PCB-1260	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4

Subgroup Code	Analyte Code	Analyte	Method
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2
105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	031	Disinfection Byproducts	EPA 551.1
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3
105.210	002	2,4-D	EPA 555
105.210	004	Dinoseb	EPA 555
105.210	005	Pentachlorophenol	EPA 555
105.210	006	Picloram	EPA 555
105.210	007	2,4,5-TP (Silvex)	EPA 555
105.210	008	Bentazon	EPA 555
105.215	001	Haloacetic Acids (HAA5)	EPA 557
105.215	002	Dalapon	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	EPA 1613 B

Field of Testing: 106 – Radionuclides in Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 – Microbiological Methods for Non-Potable Water and Sewage Sludge

Subgroup Code	Analyte Code	Analyte	Method
107.001	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
107.001	003	E. coli (Enumeration)	SM 9221 C, F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18
107.017	001	Enterococci	Enterolert

Field of Testing: 108 – Inorganic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus, Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)

Subgroup Code	Analyte Code	Analyte	Method
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.019	001	Bromide	EPA 300.1 (1997 Rev.1.0)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen, Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.035	001	Phosphate, Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus, Total	EPA 365.1 (1993 Rev. 2.0)
108.037	001	Phosphate, Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus, Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.049	001	Phenols, Total	EPA 420.4 (1993 Rev. 2.0)
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011

Subgroup Code	Analyte Code	Analyte	Method
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)

Subgroup Code	Analyte Code	Analyte	Method
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)

Subgroup Code	Analyte Code	Analyte	Method
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.657	001	Mercury	EPA 1631 E (2002)

Field of Testing: 110 – Volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethene (1,1-Dichloroethylene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethene	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropene	EPA 624.1
110.040	026	trans-1,3-Dichloropropene	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1

Subgroup Code	Analyte Code	Analyte	Method
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethene	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.070	002	n-Amyl Acetate	EPA 1666
110.070	004	n-Butyl Acetate	EPA 1666
110.070	005	tert-Butyl Alcohol (TBA)	EPA 1666
110.070	006	Diethylamine	EPA 1666
110.070	007	Dimethyl Sulfoxide	EPA 1666
110.070	009	Ethyl Acetate	EPA 1666
110.070	010	n-Heptane	EPA 1666
110.070	011	n-Hexane	EPA 1666
110.070	012	Isobutyraldehyde	EPA 1666
110.070	013	Isopropyl Acetate	EPA 1666
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666
110.070	015	Isopropyl Ether (DIPE)	EPA 1666
110.070	017	2-Methoxyethanol	EPA 1666
110.070	018	Methyl Formate	EPA 1666
110.070	019	4-Methyl-2-pentanone (MIBK)	EPA 1666
110.070	021	Tetrahydrofuran	EPA 1666
110.070	022	Triethylamine	EPA 1666
110.070	023	m-Xylene	EPA 1666
110.070	024	o-Xylene	EPA 1666
110.070	025	p-Xylene	EPA 1666

Field of Testing: 111 – Semi-volatile Organic Constituents in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3

Subgroup Code	Analyte Code	Analyte	Method
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	050	Pentachloronitrobenzene (PCNB)	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1

Subgroup Code	Analyte Code	Analyte	Method
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.210	006	Diuron	EPA 632
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitrosodi-n-propylamine	EPA 1625 B
111.260	043	N-nitrosodiphenylamine	EPA 1625 B

Field of Testing: 112 – Radionuclides in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020

Subgroup Code	Analyte Code	Analyte	Method
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311 (TCLP)
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.022	001	TCLP Extractables	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312 (SPLP)

Field of Testing: 116 – Volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
116.020	030	Nonhalogenated Volatiles	EPA 8015 B
116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.010	001	Ignitability	EPA 1010
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 – Microbiological Methods for Ambient Water

Subgroup Code	Analyte Code	Analyte	Method
126.003	001	Total Coliform (Enumeration)	SM 9221 B, C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C, E-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert