INTEGRATED
PERFORMANCE
CONSULTANTS

January 30th, 2022

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

Attention: Information Technology Unit

Malibu Civic Center WTP — WDR: R4-2015-0051
2021 4th Quarter Monitoring Report — MRP: CI-10042

OVERVIEW

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

SUMMARY OF NON-COMPLIANCE

There were no instances of non-compliance during this reporting period. The daily effluent sample for bacteria and pH was missed on 12/01/2021 due to an error by the assigned sample collector, who collected the weekly samples that same day, but neglected to collect the daily samples. Supervisors are now required to verify daily sample collection prior to departure each day, as a backup to the posted sample schedule, in the event that schedule is not adhered to for any reason.

INFLUENT & EFFLUENT MONITORING

Monthly influent and effluent monitoring are shown in Attachment A. Quarterly effluent monitoring results are shown in Attachment B. Annual effluent monitoring results are shown in Attachment D.

WASTE HAULING

50,000 gallons of thickened waste activated sludge were hauled off site from the MBT this quarter for biological process control. Hauling details are shown in Attachment C.

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 January 2022, 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															
10/01/2021	Fri	60.2			42.7	0.0	14.1	28.5	0.0	0.03	0.03	0.00	73.2	107.5	7.5	1.79	1.79	1.79	0.049																		
10/02/2021	Sat	58.3			59.5	0.0	3.0	56.5	0.0	0.03	0.03	0.00	74.3	106.1	7.5	1.79	1.79	1.79	0.050																		
10/03/2021	Sun	59.3			65.0	0.0	14.5	50.5	0.0	0.03	0.03	0.00	74.2	110.0	7.1	1.79	1.79	1.79	0.120																		
10/04/2021	Mon	50.0			44.2	0.0	24.4	19.8	0.0	0.03	0.21	0.01	73.9	106.2	7.9	1.79	1.79	1.79	0.130																		
10/05/2021	Tue	53.0	236	229	53.2	0.0	14.5	38.6	0.0	0.03	0.03	0.00	72.8	100.5	7.8	1.79	1.79	1.79	0.060																		
10/06/2021	Wed	48.4			46.2	0.0	29.7	16.5	0.0	0.05	0.24	0.01	72.4	103.5	7.7	1.79	1.79	1.79	0.090	2.0	99.1	1.0	99.6	1.5	1.4	0.05	0.09	0.66	0.57	2.13	4.9	1.7	904	293	266	0.19	0.19
10/07/2021	Thu	82.6			32.7	0.0	20.3	12.4	0.0	0.03	0.24	0.01	73.1	110.8	7.6	1.79	1.79	1.79	0.090																		
10/08/2021	Fri	61.1			64.8	0.0	0.2	64.6	0.0	0.03	0.03	0.00	73.8	108.5	7.6	1.79	1.79	1.79	0.140																		
10/09/2021	Sat	60.4			58.7	0.0	0.2	58.5	0.0	0.03	0.03	0.00	73.4	106.3	7.4	1.79	1.79	1.79	0.080																		
10/10/2021	Sun	57.2			67.4	0.0	15.0	52.4	0.0	0.03	0.03	0.00	73.2	108.1	7.1	1.79	1.79	1.79	0.049																		
10/11/2021	Mon	51.3			48.3	0.0	11.1	37.2	0.0	0.03	0.11	0.00	73.1	107.6	7.4	1.79	1.79	1.79	0.090																		
10/12/2021	Tue	47.9	166	506	49.3	0.0	17.5	31.7	0.0	0.03	0.22	0.01	72.9	107.8	7.1	1.79	1.79	1.79	0.170																		
10/13/2021	Wed	55.9			46.6	0.0	28.5	18.1	0.0	0.03	0.04	0.00	72.3	107.3	7.2	1.79	1.79	1.79	0.049	4.0	99.2	0.9	99.5	0.4	0.4	0.05	0.22	1.13	0.91	1.58							
10/14/2021	Thu	48.3			51.9	0.0	33.4	18.5	0.0	0.03	0.04	0.00	74.4	117.1	7.2	1.79	1.79	1.79	0.130																		
10/15/2021	Fri	52.4			38.2	0.0	15.5	22.7	0.0	0.03	0.04	0.00	77.7	120.5	7.1	1.79	1.79	1.79	0.049																		
10/16/2021	Sat	56.1			54.2	0.0	1.2	53.0	0.0	0.03	0.03	0.00	77.5	107.8	7.5	1.79	1.79	1.79	0.080																		
10/17/2021	Sun	48.1			57.0	0.0	18.0	39.0	0.0	0.03	0.03	0.00	77.5	106.8	7.0	1.79	1.79	1.79	0.070																		
10/18/2021	Mon	44.8			44.8	0.0	21.9	22.9	0.0	0.03	0.21	0.01	77.3	107.5	7.5	1.79	1.79	1.79	0.130																		
10/19/2021	Tue	44.0	101	409	46.6	0.0	15.9	30.6	0.0	0.03	0.22	0.01	77.0	119.7	7.0	1.79	1.79	1.79	0.049																		
10/20/2021	Wed	45.9			43.5	0.0	16.9	26.6	0.0	0.03	0.03	0.00	76.7	119.9	7.4	1.79	1.79	1.79	0.150	3.0	99.3	0.9	99.1	0.3	0.3	0.05	0.31	1.39	1.08	1.70							
10/21/2021	Thu	52.6			44.7	0.0	18.9	25.8	0.0	0.03	0.04	0.00	76.7	111.8	7.4	1.79	1.79	1.79	0.120																		
10/22/2021	Fri	60.2			45.7	0.0	2.4	43.3	0.0	0.03	0.04	0.00	77.8	111.5	7.6	1.79	1.79	1.79	0.080																		
10/23/2021	Sat	54.5			59.8	0.0	0.2	59.7	0.0	0.03	0.04	0.00	78.2	106.8	7.5	1.79	1.79	1.79	0.049																		
10/24/2021	Sun	49.9			54.4	0.0	11.8	42.7	0.0	0.03	0.04	0.00	78.2	107.2	7.1	1.79	1.79	1.79	0.080																		
10/25/2021	Mon	49.3			50.5	0.0	0.2	50.3	0.0	0.03	0.20	0.00	78.1	117.9	7.4	1.79	1.79	1.79	0.070																		
10/26/2021	Tue	46.4	200	465	51.7	0.0	0.2	51.5	0.0	0.03	0.24	0.01	77.3	106.8	7.5	1.79	1.79	1.79	0.130																		
10/27/2021	Wed	58.8			46.5	0.0	0.2	46.3	0.0	0.03	0.03	0.00	76.9	107.3	7.6	1.79	1.79	1.79	0.049	5.0	98.9	0.9	99.6	1.4	1.3	0.05	0.38	0.49	0.11	1.85							
10/28/2021	Thu	51.8			57.8	0.0	14.7	43.1	0.0	0.03	0.03	0.00	77.5	106.9	7.5	1.79	1.79	1.79	0.049																		
10/29/2021	Fri	54.9			45.1	0.0	9.8	35.3	0.0	0.07	0.24	0.01	76.4	105.9	7.3	1.79	1.79	1.79	0.130																		
10/30/2021	Sat	53.1			57.1	0.0	0.2	56.9	0.0	0.03	0.03	0.00	75.4	106.8	7.4	1.79	1.79	1.79	0.140																		
10/31/2021	Sun	47.9			52.0	0.0	7.1	44.9	0.0	0.03	0.17	0.00	75.6	106.9	7.4	1.79	1.79	1.79	0.140																		
TOTAL	1,665			1,580.0	0.0	381.8	1,198.2	0.0																												
MAX	82.6	236	506	67.4	0.0	33.4	64.6	0.0	0.07	0.24	0.01	78.2	120.5	7.9	1.79	1.79	1.79	0.170	5.0	99.3	1.0	99.6	1.5	1.4	0.05	0.38	1.39	1.08	2.13	4.9	1.7	904	293	266	0.19	0.19
AVG	53.7	176	402	51.0	0.0	12.3	38.7	0.0	0.03	0.10	0.00	75.4	109.2	7.4	1.79	1.79	1.79	0.092	3.5	99.1	0.9	99.4	0.9	0.8	0.05	0.25	0.92	0.67	1.81	4.9	1.7	904	293	266	0.19	0.19
MIN	44.0	101	229	32.7	0.0	0.2	12.4	0.0	0.03	0.03	0.00	72.3	100.5	7.0	1.79	1.79	1.79	0.049	2.0	98.9	0.9	99.1	0.3	0.3	0.05	0.09	0.49	0.11	1.58	4.9	1.7	904	293	266	0.19	0.19

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

	INFLUENT			EFFLUENT																																		
	DAILY	WEEKLY		DAILY																WEEKLY												MONTHLY							
	Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS		
Units	*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*		
Limit 1	191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1					10		2,000	500	500	2	0.5		
Limit 2														8.5	23	7 day			30		40									15								
Limit 3															240	med			45		45																	
11/01/2021	Mon	47.7			43.0	0.0	2.7	40.2	0.0	0.05	0.23	0.01	75.1	107.6	7.4	1.79	1.79	1.79	0.049																				
11/02/2021	Tue	47.8	260	534	41.2	0.0	4.9	36.4	0.0	0.04	0.23	0.01	74.7	108.0	7.5	1.79	1.79	1.79	0.049																				
11/03/2021	Wed	47.9			48.1	0.0	8.0	40.1	0.0	0.03	0.05	0.00	74.1	107.0	7.4	1.79	1.79	1.79	0.060	5.0	99.1	0.9	99.7	1.4	1.4	0.05	0.22	0.42	0.20	1.85	4.9	0.2	904	223	178	0.19	0.19	
11/04/2021	Thu	48.6			47.7	0.0	6.1	41.5	0.0	0.03	0.04	0.00	73.4	107.3	7.3	1.79	1.79	1.79	0.049																				
11/05/2021	Fri	65.0			46.6	0.0	0.5	46.1	0.0	0.03	0.09	0.00	75.3	110.0	7.5	1.79	1.79	1.79	0.049																				
11/06/2021	Sat	56.7			59.5	0.0	1.2	58.4	0.0	0.03	0.04	0.00	79.3	135.7	7.4	1.79	1.79	1.79	0.070																				
11/07/2021	Sun	58.8			61.7	0.0	6.8	54.9	0.0	0.03	0.04	0.00	79.8	156.7	7.4	1.79	1.79	1.79	0.080																				
11/08/2021	Mon	47.2			40.2	0.0	1.2	39.0	0.0	0.04	0.24	0.02	80.0	122.6	7.5	1.79	1.79	1.79	0.070																				
11/09/2021	Tue	48.5	229	340	50.5	0.0	8.8	41.6	0.0	0.04	0.25	0.01	79.5	125.8	7.6	1.79	1.79	1.79	0.090																				
11/10/2021	Wed	57.1			48.3	0.0	6.3	42.0	0.0	0.03	0.04	0.00	78.4	132.3	7.4	1.79	1.79	1.79	0.049	1.9	99.4	1.0	99.6	1.1	1.1	0.05	0.09	1.32	1.23	2.44								
11/11/2021	Thu	54.3			59.9	0.0	12.8	47.1	0.0	0.03	0.04	0.00	78.0	127.1	7.5	1.79	1.79	1.79	0.110																				
11/12/2021	Fri	56.8			52.7	0.0	7.5	45.2	0.0	0.03	0.03	0.00	77.7	115.5	7.4	1.79	1.79	1.79	0.049																				
11/13/2021	Sat	61.5			53.4	0.0	7.5	53.2	0.0	0.03	0.20	0.00	77.4	116.3	7.4	1.79	1.79	1.79	0.050																				
11/14/2021	Sun	62.7			60.3	0.0	0.2	49.5	0.0	0.04	0.19	0.00	77.0	129.6	7.0	1.79	1.79	1.79	0.049																				
11/15/2021	Mon	49.3			53.2	0.0	10.8	35.0	0.0	0.04	0.25	0.02	76.2	117.1	7.4	1.79	1.79	1.79	0.049																				
11/16/2021	Tue	56.9			50.5	0.0	13.8	36.7	0.0	0.04	0.18	0.00	76.0	105.8	7.5	1.79	1.79	1.79	0.049																				
11/17/2021	Wed	68.5	170	563	59.6	0.0	6.0	53.5	0.0	0.03	0.04	0.00	76.5	138.1	7.5	1.79	1.79	1.79	0.120	1.9	100.0	0.9	100.0	1.5	1.5	0.05	0.11	1.89	1.78	3.41								
11/18/2021	Thu	64.5			71.2	0.0	6.5	64.8	0.0	0.03	0.04	0.00	77.2	146.7	7.4	1.79	1.79	1.79	0.049																				
11/19/2021	Fri	65.4			66.4	0.0	0.2	66.1	0.0	0.03	0.04	0.00	78.6	150.8	8.1	1.79	1.79	1.79	0.049																				
11/20/2021	Sat	71.6			60.6	0.0	0.5	60.1	0.0	0.03	0.04	0.00	78.7	127.2	7.6	1.79	1.79	1.79	0.049																				
11/21/2021	Sun	65.1			67.4	0.0	12.1	55.3	0.0	0.03	0.03	0.00	78.2	107.4	7.0	1.79	1.79	1.79	0.080																				
11/22/2021	Mon	61.8			63.8	0.0	7.9	56.0	0.0	0.03	0.24	0.01	77.6	122.9	7.4	1.79	1.79	1.79	0.130																				
11/23/2021	Tue	62.6	218	263	62.9	0.0	10.9	52.1	0.0	0.04	0.25	0.02	76.7	128.4	7.2	1.79	1.79	1.79	0.070																				
11/24/2021	Wed	72.8			64.1	0.0	21.9	42.2	0.0	0.03	0.03	0.00	78.2	134.3	7.5	1.79	1.79	1.79	0.080	2.0	99.2	0.9	99.6	1.5	1.4	0.05	0.09	11.50	11.41	12.97								
11/25/2021	Thu	33.7			43.5	0.0	0.2	43.2	0.0	0.03	0.03	0.00	82.6	164.4	7.3	1.79	1.79	1.79	0.060																				
11/26/2021	Fri	58.9			47.5	0.0	0.3	47.2	0.0	0.03	0.03	0.00	84.8	116.0	7.4	1.79	1.79	1.79	0.100																				
11/27/2021	Sat	67.3			52.7	0.0	0.2	52.5	0.0	0.03	0.04	0.00	84.3	113.8	7.3	1.79	1.79	1.79	0.090																				
11/28/2021	Sun	66.6			66.5	0.0	11.7	54.7	0.0	0.03	0.04	0.00	83.5	110.5	7.0	1.79	1.79	1.79	0.130																				
11/29/2021	Mon	60.1			59.5	0.0	3.8	55.7	0.0	0.03	0.25	0.01	82.8	145.8	7.5	1.79	1.79	1.79	0.049																				
11/30/2021	Tue	57.7			61.4	0.0	5.7	55.8	0.0	0.03	0.27	0.01	81.8	152.3	7.4	1.79	1.79	1.79	0.060																				
TOTAL	1,743			1,663.8	0.0	186.9	1,466.2	0.0																														
MAX	72.8	260	563	71.2	0.0	21.9	66.1	0.0	0.05	0.27	0.02	84.8	164.4	8.1	1.79	1.79	1.79	0.130	5.0	100.0	1.0	100.0	1.5	1.5	0.05	0.22	11.50	11.41	12.97	4.9	0.2	904	223	178	0.19	0.19	
AVG	58.1	219	425	55.5	0.0	6.2	48.9	0.0	0.03	0.12	0.00	78.4	126.1	7.4	1.79	1.79	1.79	0.070	2.7	99.4	0.9	99.7	1.4	1.3	0.05	0.13	3.78	3.66	5.17	4.9	0.2	904	223	178	0.19	0.19	
MIN	33.7	170	263	40.2	0.0	0.2	35.0	0.0	0.03	0.03	0.00	73.4	105.8	7.0	1.79	1.79	1.79	0.049	1.9	99.1	0.9	99.6	1.1	1.1	0.05	0.09	0.42	0.20	1.85	4.9	0.2	904	223	178	0.19	0.19	

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

		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY															WEEKLY										MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Injection	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		*kgal*	*mg/L*	*mg/L*	*kgal*	*kgal*	*kgal*	*kgal*	*kgal*	*ntu*	*ntu*	*%*	*%*	*mJ/cm2*	*units*	*mpn*	*mpn*	*mpn*	*mg/L*	*mg/L*	*%*	*mg/L*	*%*	*mg/L*	*mg/L*	*mg/L*	*mpn*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
Limit 1		191			191				50	0.2	0.5	5	65	80	6.5		2.2			20	85	15	85	8	8	1				10		2,000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
12/01/2021	Wed	59.8	204	393	53.1	0.0	4.8	48.3	0.0	0.03	0.03	0.00	80.8	141.9	NS	NS	NS	NS	NS	1.9	100.0	0.9	100.0	1.9	1.9	0.05	0.13	1.37	1.24	3.29	4.9	0.0	820	210	170	0.10	0.19
12/02/2021	Thu	67.5			65.6	0.0	3.2	62.5	0.0	0.03	0.03	0.00	81.1	150.1	7.7	2.00	1.79	1.79	0.070																		
12/03/2021	Fri	62.6			68.7	0.0	0.8	67.9	0.0	0.03	0.03	0.00	81.2	162.8	7.0	1.79	1.79	1.79	0.130																		
12/04/2021	Sat	67.3			60.5	0.0	0.2	60.3	0.0	0.03	0.03	0.00	80.2	162.8	7.5	1.79	1.79	1.79	0.070																		
12/05/2021	Sun	63.1			66.5	0.0	6.5	60.0	0.0	0.03	0.06	0.00	80.1	156.7	7.4	1.79	1.79	1.79	0.090																		
12/06/2021	Mon	61.0			56.1	0.0	1.4	54.8	0.0	0.03	0.19	0.00	79.7	148.8	7.4	1.79	1.79	1.79	0.049																		
12/07/2021	Tue	58.4	260	258	49.4	0.0	4.7	44.7	0.0	0.03	0.24	0.01	78.8	123.1	7.4	1.79	1.79	1.79	0.050																		
12/08/2021	Wed	67.7			70.1	0.0	7.6	62.5	0.0	0.03	0.03	0.00	78.2	124.0	7.5	1.79	1.79	1.79	0.049	2.0	99.2	0.9	99.7	3.0	3.0	0.05	0.09	0.92	0.83	3.92							
12/09/2021	Thu	59.2			68.2	0.0	0.8	67.4	0.0	0.03	0.03	0.00	77.7	138.7	7.5	1.79	1.79	1.79	0.120																		
12/10/2021	Fri	63.0			58.5	0.0	0.5	58.0	0.0	0.03	0.03	0.00	77.6	139.7	8.1	1.79	1.79	1.79	0.150																		
12/11/2021	Sat	64.8			56.1	0.0	1.1	55.0	0.0	0.03	0.04	0.00	77.4	141.7	6.9	1.79	1.79	1.79	0.049																		
12/12/2021	Sun	62.2			68.1	0.0	11.2	57.0	0.0	0.03	0.04	0.00	77.1	143.5	7.0	1.79	1.79	1.79	0.080																		
12/13/2021	Mon	54.3			59.2	0.0	5.4	53.7	0.0	0.03	0.24	0.01	76.5	139.5	7.3	1.79	1.79	1.79	0.120																		
12/14/2021	Tue	60.7	94	172	73.9	0.0	0.2	73.7	0.0	0.03	0.04	0.00	75.9	122.7	7.2	1.79	1.79	1.79	0.100																		
12/15/2021	Wed	70.2			64.6	0.0	0.2	64.3	0.0	0.03	0.04	0.00	76.7	119.3	7.3	1.79	1.79	1.79	0.120	1.9	98.9	0.9	99.0	3.2	3.2	0.05	0.09	1.55	1.46	4.80							
12/16/2021	Thu	77.6			47.7	0.0	1.7	46.0	0.0	0.03	0.03	0.00	76.6	119.6	7.4	1.79	1.79	1.79	0.120																		
12/17/2021	Fri	54.9			59.2	0.0	0.2	58.9	0.0	0.03	0.15	0.00	74.9	125.8	7.4	1.79	1.79	1.79	0.090																		
12/18/2021	Sat	51.9			47.0	0.0	0.2	46.8	0.0	0.03	0.04	0.00	79.9	132.6	7.4	1.79	1.79	1.79	0.080																		
12/19/2021	Sun	50.1			51.3	0.0	0.2	51.1	0.0	0.03	0.03	0.00	80.1	116.0	7.0	1.79	1.79	1.79	0.130																		
12/20/2021	Mon	58.7			48.8	0.0	0.3	48.5	0.0	0.03	0.21	0.01	80.1	140.3	7.6	1.79	1.79	1.79	0.090																		
12/21/2021	Tue	54.6			52.2	0.0	21.0	31.2	0.0	0.03	0.04	0.00	79.8	121.7	7.4	1.79	1.79	1.79	0.190																		
12/22/2021	Wed	56.4	260	398	47.7	0.0	24.9	22.7	0.0	0.03	0.03	0.00	79.4	111.3	7.6	1.79	1.79	1.79	0.180	1.9	100.0	0.9	100.0	2.9	2.8	0.05	0.14	0.59	0.45	3.45							
12/23/2021	Thu	76.6			86.0	0.0	0.2	85.7	0.0	0.04	0.22	0.01	80.0	141.5	7.7	1.79	1.79	1.79	0.140																		
12/24/2021	Fri	52.0			79.4	0.0	0.2	79.2	0.0	0.03	0.03	0.00	79.8	144.1	7.2	1.79	1.79	1.79	0.049																		
12/25/2021	Sat	24.0			16.5	0.0	0.2	16.3	0.0	0.03	0.03	0.00	77.9	123.2	7.5	1.79	1.79	1.79	0.060																		
12/26/2021	Sun	52.2			45.8	0.0	0.2	45.6	0.0	0.03	0.04	0.00	77.0	107.8	7.2	1.79	1.79	1.79	0.100																		
12/27/2021	Mon	46.4			56.0	0.0	0.2	55.8	0.0	0.03	0.04	0.00	75.5	107.2	7.2	1.79	1.79	1.79	0.140																		
12/28/2021	Tue	47.9	120	342	40.7	0.0	0.2	40.5	0.0	0.03	0.04	0.00	73.8	107.3	7.5	1.79	1.79	1.79	0.080																		
12/29/2021	Wed	74.5			64.6	0.0	1.1	63.5	0.0	0.03	0.25	0.01	74.4	120.5	7.0	1.79	1.79	1.79	0.080	2.0	99.4	0.9	99.3	3.0	3.0	0.05	0.10	0.99	0.89	4.00							
12/30/2021	Thu	136.7			36.0	0.0	0.2	35.8	0.0	0.05	0.52	0.33	72.6	107.3	7.0	1.79	1.79	1.79	0.180																		
12/31/2021	Fri	78.7			0.3	0.0	0.2	0.1	0.0	0.03	0.22	0.01	72.5	120.5	7.4	1.79	1.79	1.79	0.060																		
TOTAL		1,935			1,717.9	0.0	99.8	1,618.1	0.0																												
MAX		136.7	260	398	86.0	0.0	24.9	85.7	0.0	0.05	0.52	0.33	81.2	162.8	8.1	2.00	1.79	1.79	0.190	2.0	100.0	0.9	100.0	3.2	3.2	0.05	0.14	1.55	1.46	4.80	4.9	0.0	820	210	170	0.10	0.19
AVG		62.4	188	313	55.4	0.0	3.2	52.2	0.0	0.03	0.10	0.01	77.9	131.0	7.4	1.80	1.79	1.79	0.101	1.9	99.5	0.9	99.6	2.8	2.8	0.05	0.11	1.08	0.97	3.89	4.9	0.0	820	210	170	0.10	0.19
MIN		24.0	94	172	0.3	0.0	0.2	0.1	0.0	0.03	0.03	0.00	72.5	107.2	6.9	1.79	1.79	1.79	0.049	1.9	98.9	0.9	99.0	1.9	1.9	0.05	0.09	0.59	0.45	3.29	4.9	0.0	820	210	170	0.10	0.19

ATTACHMENT B: QUARTERLY EFF

	>> DATE >>		1/7	4/23	7/30	11/5			
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A1 - Inorganic Chemicals									
Aluminum	1	mg/L	0.02	0.02	0.03	0.045	0.020	0.029	0.020
Antimony	0.006	mg/L	0.0009	0.0016	0.0017	0.0012	0.0016	0.0014	0.0009
Arsenic	0.01	mg/L	0.0011	0.0021	0.0019	0.0005	0.0021	0.0014	0.0005
Asbestos	7	MFL	0	0	0	0	0	0	0
Barium	1	mg/L	0.013	0.016	0.030	0.44	0.016	0.125	0.013
Beryllium	0.004	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Cadmium	0.005	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Chromium	0.05	mg/L	0.0026	0.0033	0.0026	0.0026	0.0033	0.0028	0.0026
Cyanide	0.15	mg/L	0.004	0.019	0.011	0.005	0.019	0.010	0.004
Mercury	0.002	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Nickel	0.1	mg/L	0.0035	0.0040	0.0048	0.0046	0.0040	0.0042	0.0035
Selenium	0.05	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Thallium	0.002	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Perchlorate	0.006	mg/L	0	0	0	0	0	0	0
Fluoride	2	mg/L	1.69	1.57	1.50	0.97	1.69	1.43	0.97
A2 - Radioactivity									
Radium-226 + Radium-228	5	pCi/L	0.868	0.807	1.053	1.034	0.868	0.941	0.807
Gross Alpha Particle Activity[1]	15	pCi/L	1.32	1.30	1.49	2.04	1.32	1.54	1.30
Tritium	20,000	pCi/L	434	434	434	434	434	434	434
Strontium-90	8	pCi/L	0.421	0.438	0.648	0.749	0.438	0.564	0.421
Gross Beta Particle Activity	50	pCi/L	0.921	0.922	1.170	1.17	0.922	1.046	0.921
Uranium	20	pCi/L	0.69	0.69	0.70	0.9	0.69	0.75	0.69
A3 - Volatile Organic Chemicals									
Benzene	0.001	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Carbon Tetrachloride (CTC)	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichlorobenzene	0.6	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1.4-Dichlorobenzene	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1-Dichloroethane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloroethane (1,2-DCA)	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Cis-1,2-Dichloroethylene	0.006	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trans-1,2-Dichloroethylene	0.01	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Dichloromethane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,3-Dichloropropene	0.0005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Ethylbenzene	0.3	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Methyl-tert-butyl-ether (MTBE)	0.013	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Monochlorobenzene	0.07	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Styrene	0.1	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049

	>> DATE >>		1/7	4/23	7/30	11/5			
	MCL	Units	Q1	Q2	Q3	Q4	MAX	AVG	MIN
A3 - Non-Volatile Synthetic Organics									
Alachlor	0.002	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Atrazine	0.001	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Bentazon	0.018	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Benzo(a)pyrene	0.0002	mg/L	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Chlordane	0.0001	mg/L	0.000089	0.000089	0.000089	0.00009	0.00009	0.000089	0.000089
2,4-D	0.07	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Dalapon	0.2	mg/L	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L	0.000009	0.000009	0.000009	0.00049	0.00049	0.000129	0.000009
Di(2-ethylhexyl)adipate	0.4	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate	0.004	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Dinoseb	0.007	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Diquat	0.02	mg/L	0	0	0	0	0	0	0
Endothall	0.1	mg/L	0	0	0	0	0	0	0
Endrin	0.002	mg/L	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L	0.0000019	0.000019	0.0000019	0.000019	0.000019	0.000010	0.0000019
Glyphosate	0.7	mg/L	0	0	0	0	0	0	0
Heptachlor	0.00001	mg/L	0.000009	0.000089	0.000009	0.000009	0.000089	0.0000290	0.000009
Heptachlor Epoxide	0.00001	mg/L	0.000009	0.000089	0.000009	0.000009	0.000089	0.0000290	0.000009
Hexachlorobenzene	0.001	mg/L	0.000009	0.000089	0.000009	0.000009	0.000089	0.0000290	0.000009
Hexachlorocyclopentadiene	0.05	mg/L	0.000009	0.000089	0.000009	0.000009	0.000089	0.0000290	0.000009
lindane	0.0002	mg/L	0.000009	0.000089	0.000009	0.000009	0.000089	0.0000290	0.000009
Methoxychlor	0.03	mg/L	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049	0.000049
Molinate	0.02	mg/L	0.0002	0.00019	0.00019	0.00019	0.0002	0.00019	0.00019
Oxamyl	0.05	mg/L	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Pentachlorophenol	0.001	mg/L	0.000089	0.000089	0.000089	0.00009	0.00009	0.000089	0.000089
Picloram	0.5	mg/L	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Polychlorinated Biphenyls	0.0005	mg/L	0.000089	0.00019	0.000089	0.00009	0.00019	0.000115	0.000089
Simazine	0.004	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Thiobencarb	0.07	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Toxaphene	0.003	mg/L	0.000089	0.000089	0.000089	0.00009	0.00009	0.000089	0.000089
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L	9.86	9.18	4.06	3.24	9.86	6.59	3.24
2,4,5-TP (Silvex)	0.05	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
A4 - Disinfection Byproducts									
Total Trihalomethanes (TTHM)	0.08	ppb	0.0007	20.6	27.3	10.2	27.3000	14.5252	0.0007
Bromodichloromethane			0.0026	0.0067	0.0044	0.001	0.0067	0.0037	0.0010
Bromoform			0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Chloroform			0.0063	0.0127	0.0224	0.0091	0.0224	0.0126	0.0063
Dibromochloromethane			0.0007	0.0012	0.00049	0.00049	0.0012	0.00072	0.00049
Haloacetic acid (five) (HAA5)	0.06	ppb	6.58	23.2	14.7	10.5	23.20	13.75	6.58

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

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

Monochloroacetic acid		ppb	0.90	4.87	2.09	1.73	4.87	2.40	0.90
Dichloroacetic acid		ppb	4.3	12.5	8.3	5.85	12.50	7.73	4.30
Trichloroacetic acid		ppb	1.7	5.1	3.4	2.45	5.10	3.17	1.70
Monobromoacetic acid		ppb	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Dibromoacetic acid		ppb	0.7	0.9	0.9	0.9	0.9	0.9	0.7
Bromate 121	0.01	ppb	24.9	24.9	22.1	99.9	99.9	43.0	22.1
Chlorite131	1	ppb	99.9	99.9	27.2	399.9	399.9	156.7	27.2

A5 - Secondary MCLs									
Aluminum	0.2	mg/L	0.02	0.02	0.03	0.045	0.045	0.029	0.02
Color	150	CU	34.1	33.3	21.6	25.6	34.1	28.7	21.6
Copper	1	mg/L	0.0005	0.0015	0.0015	0.001	0.0015	0.0011	0.0005
Corrosivity (Langelier Index)	Non		-0.006	0.3	-0.3	-0.52	0.3	-0.132	-0.52
Foam Agents (MBAS)	0.5	mg/L	0.30	0.51	0.19	0.57	0.57	0.39	0.19
Iron	0.3	mg/L	0.04	0.05	0.03	0.04	0.05	0.04	0.03
Manganese	0.05	mg/L	0.063	0.052	0.019	0.03	0.063	0.041	0.019
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Silver	0.1	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Thiobencarb	0.001	mg/L	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Zinc	5	mg/L	0.048	0.035	0.017	0.015	0.048	0.0288	0.015

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

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

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

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

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

FOURTH QUARTER	11/03/2021	Wed	10,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	11/24/2021	Wed	10,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	12/20/2021	Mon	10,000	MBT	Waste Activated Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		30,000					

ATTACHMENT D: ANNUAL EFF

Date: 8/16/2021		Units							
Antimony	1.3	ug/l	Trichloroethylene	0.9	ug/l	Fluoranthene	1.9	ug/l
Arsenic	1.8	ug/l	Vinyl Chloride	0.9	ug/l	Fluorene	1.9	ug/l
Beryllium	0.19	ug/l	2-Chlorophenol	4.9	ug/l	Hexachlorobenzene	1.9	ug/l
Cadmium	0.19	ug/l	2,4-Dichlorophenol	1.9	ug/l	Hexachlorobutadiene	1.9	ug/l
Chromium (III)	2.7	ug/l	2,4-Dimethylphnol	1.9	ug/l	Hexachlorocyclopentadiene	1.9	ug/l
Chromium (VI)	0.1	ug/l	4,6- Dinitro-2-Methylphenol	9.9	ug/l	Hexachloroethane	1.9	ug/l
						Indeno (1,2,3-cd) pyrene	1.9	ug/l
Copper	1.7	ug/l	2,4-Dinitrophenol	9.9	ug/l	Isophorone	1.9	ug/l
Lead	0.19	ug/l	2-Nitrophenol	1.9	ug/l	Naphthalene	1.9	ug/l
Mercury	0.19	ug/l	4-Nitrophenol	9.9	ug/l	Nitrobenzene	1.9	ug/l
Nickel	5.1	ug/l	4-Chloro-3-Methylphenol	4.9	ug/l	N-nitrosodimethylamine	4.9	ug/l
Selenium	1.9	ug/l	Pentachlorophenol	9.9	ug/l	N-Nitrosodi-N-propylamine	1.9	ug/l
Silver	0.19	ug/l	Phenol	4.9	ug/l	Phenathrene	1.9	ug/l
Thallium	0.9	ug/l	2,4,6-Trichlorophenol	4.9	ug/l	Pyrene	1.9	ug/l
Zinc	17	ug/l	Acenaphthene	1.9	ug/l	1,2,4-Trichlorobenzene	1.9	ug/l
Cyanide	0.004	mg/l	Acenaphthylene	1.9	ug/l	Aldrin	0.0049	ug/l
Asbestos	0	mfl				alpha-BHC	0.009	ug/l
2,3,7,8 TCDD	N/A	mg/l	Anthracene	1.9	ug/l	beta-BHC	0.0049	ug/l
Acrolein	4.9	ug/l	Benzidine	9.9	ug/l	gamma-BHC	0.009	ug/l
Acrylonitrile	4.9	ug/l	Benzo (a) pyrene	1.9	ug/l	delta-BHC	0.0049	ug/l
Benzene	0.9	ug/l	Benzo (b) fluoranthene	1.9	ug/l	Chlordane	0.09	ug/l
Bromoform	0.9	ug/l	Benzo (ghi) perylene	1.9	ug/l	4,4'-DDT	0.009	ug/l
Carbon tetrachloride	0.9	ug/l	Benzo (k) fluoranthene	1.9	ug/l	4,4'-DDE	0.009	ug/l
Chlorobenzene	0.9	ug/l	Bis (2-chloroethoxy) Methane	1.9	ug/l	4,4'-DDD	0.009	ug/l
Chlorodibromomethane	0.9	ug/l	Bis (2-chloroethyl) Ether	1.9	ug/l	Dieldrin	0.009	ug/l
Chloroethane	0.9	ug/l	Bis (2-chloroisopropyl) Ether	1.9	ug/l	alpha-Endosulfan	0.009	ug/l
2-Chloroethylvinyl Ether	4.9	ug/l	Bis (2-ethylhexyl) Phthalate	1.9	ug/l	beta-Endosulfan	0.009	ug/l
Chloroform	10.0	ug/l	4-Bromophenyl Phenyl Ether	1.9	ug/l	Endosulfan Sulfate	0.009	ug/l
Dichlorobromomethane	1.3	ug/l	Butylbenzyl Phthalate	1.9	ug/l	Endrin	0.009	ug/l
						Endrin Aldehyde	0.009	ug/l
1,1 Dichloroethane	0.9	ug/l	2-Chloronaphthalene	1.9	ug/l	Heptachlor	0.009	ug/l
1,2 Dichloroethane	0.9	ug/l	4-Chlorophenyl Phenyl Ether	1.9	ug/l	Heptachlor Epoxide	0.009	ug/l
1,1 Dichloroethylene	0.9	ug/l	Chrysene	1.9	ug/l	PCB (Aroclor-1016)	0.09	ug/l
1,2 Dichloropropane	0.9	ug/l	Dibenzo (ah) anthracene	1.9	ug/l	PCB (Aroclor-1221)	0.09	ug/l
1,3-dichloropropylene	0.9	ug/l	1,2-Dichlorobenzene	0.9	ug/l	PCB (Aroclor-1232)	0.09	ug/l
Ethylbenzene	0.9	ug/l	1,3-Dichlorobenzene	0.9	ug/l	PCB (Aroclor-1242)	0.09	ug/l
Methyl Bromide	1.9	ug/l	1,4-Dichlorobenzene	0.9	ug/l	PCB (Aroclor-1248)	0.09	ug/l
Methyl Chloride	1.9	ug/l	3,3'-Dichlorobenzidine	1.9	ug/l	PCB (Aroclor-1254)	0.09	ug/l
Methylene Chloride	0.9	ug/l	Diethyl Phthalate	1.9	ug/l	PCB (Aroclor-1260)	0.09	ug/l
1,1,2,2-Tetrachloroethane	0.9	ug/l	Dimethyl Phthalate	1.9	ug/l	Toxaphene	0.09	ug/l
Tetrachloroethylene	0.9	ug/l	Di-n-butyl Phthalate	1.9	ug/l			
Toluene	0.9	ug/l	2,4-Dinitrotoluene	4.9	ug/l			
1,2-Trans-Dichloroethylene	0.9	ug/l	2,6-Dinitrotoluene	4.9	ug/l			
1,1,1-Trichloroethane	0.9	ug/l	Di-n-octyl Phthalate	1.9	ug/l			
1,1,2-Trichloroethane	0.9	ug/l	1,2-Diphenylhydrazine	1.9	ug/l			

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

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

Attention: Ric Vardel
Report Date: 19-Nov-21 16:38
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0337-01) Collected: 16-Aug-21 By MA of IPC							
Inorganic Constituents							
Silver	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**<0.2 ug/l**	
Arsenic	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**1.8 ug/l**	
Beryllium	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**<0.2 ug/l**	
Cadmium	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**2.8 ug/l**	
Copper	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**1.7 ug/l**	
Cyanide (total)	SM 4500-CN-E	AH11824	0.0040	18-Aug-21	18-Aug-21	**<0.0040 mg/l**	
Mercury	EPA 245.1	AH11937	0.20	19-Aug-21	19-Aug-21	**<0.20 ug/l**	
Nickel	EPA 200.8	AH11748	0.5	19-Aug-21	24-Aug-21	**5.1 ug/l**	
Lead	EPA 200.8	AH11748	0.2	19-Aug-21	24-Aug-21	**<0.2 ug/l**	
Antimony	EPA 200.8	AH11748	1.0	19-Aug-21	24-Aug-21	**1.3 ug/l**	
Selenium	EPA 200.8	AH11748	2.0	19-Aug-21	24-Aug-21	**<2.0 ug/l**	
Thallium	EPA 200.8	AH11748	1.0	19-Aug-21	24-Aug-21	**<1.0 ug/l**	
Zinc	EPA 200.8	AH11748	1.0	19-Aug-21	24-Aug-21	**17 ug/l**	
Base/Neutral and Acid Extractables							
Acenaphthene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Acenaphthylene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Anthracene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Benzidine	EPA 625.1	AH11833	10.0	18-Aug-21	21-Aug-21	**<10.0 ug/l**	
Benzo (a) anthracene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Benzo (a) pyrene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Benzo (b) fluoranthene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Benzo (g,h,i) perylene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Benzo (k) fluoranthene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Bis(2-chloroethoxy)methane	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Bis(2-choroethyl)ether	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	

Respectfully Submitted,

Steve Jefferson 11/19/2021
Laboratory Director

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Base/Neutral and Acid Extractables							
Bis(2-chloroisopropyl)ether	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Bis(2-ethylhexyl)phthalate	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
4-Bromophenyl phenyl ether	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Benzyl Butyl Phthalate	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
2-Chloronaphthalene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
4-Chlorophenyl phenyl ether	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Chrysene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Dibenzo (a,h) anthracene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
3,3´-Dichlorobenzidine	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Diethyl phthalate	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Dimethyl phthalate	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Di-n-butyl phthalate	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
2,4-Dinitrotoluene	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
2,6-Dinitrotoluene	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
Di-n-octyl phthalate	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
1,2-Diphenylhydrazine (Azobenzene)	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Fluoranthene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Fluorene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Hexachlorobenzene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Hexachlorobutadiene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Hexachlorocyclopentadiene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Hexachloroethane	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Indeno (1,2,3-cd) pyrene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Isophorone	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Naphthalene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Nitrobenzene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	

Respectfully Submitted,

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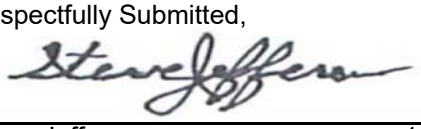
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Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0337-01) Collected: 16-Aug-21 By MA of IPC							
Base/Neutral and Acid Extractables							
N-Nitrosodimethylamine	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
N-Nitrosodi-n-propylamine	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
N-Nitrosodiphenylamine	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Phenanthrene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
Pyrene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
1,2,4-Trichlorobenzene	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
2-Chlorophenol	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
2,4-Dichlorophenol	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
2,4-Dimethylphenol	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
4,6-Dinitro-2-methylphenol	EPA 625.1	AH11833	10.0	18-Aug-21	21-Aug-21	**<10.0 ug/l**	
2,4-Dinitrophenol	EPA 625.1	AH11833	10.0	18-Aug-21	21-Aug-21	**<10.0 ug/l**	
2-Nitrophenol	EPA 625.1	AH11833	2.0	18-Aug-21	21-Aug-21	**<2.0 ug/l**	
4-Nitrophenol	EPA 625.1	AH11833	10.0	18-Aug-21	21-Aug-21	**<10.0 ug/l**	
4-Chloro-3-methylphenol	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
Pentachlorophenol	EPA 625.1	AH11833	10.0	18-Aug-21	21-Aug-21	**<10.0 ug/l**	
Phenol	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
2,4,6-Trichlorophenol	EPA 625.1	AH11833	5.0	18-Aug-21	21-Aug-21	**<5.0 ug/l**	
Surrogate: 2-Fluorophenol	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*26.9 % (13.6-74)*	
Surrogate: Phenol-d6	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*18.2 % (8-65)*	
Surrogate: 2-Chlorophenol-d4	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*59.4 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*59.1 % (30-106)*	
Surrogate: Nitrobenzene-d5	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*62.1 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*66.9 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*87.7 % (19-155)*	
Surrogate: p-Terphenyl-d14	EPA 625.1	AH11833		18-Aug-21	21-Aug-21	*84.3 % (33-149)*	
Volatile Organics							
Acrolein	EPA 624.1	AH12544	5.0	25-Aug-21	25-Aug-21	**<5.0 ug/l**	

Respectfully Submitted,



Steve Jefferson 11/19/2021
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

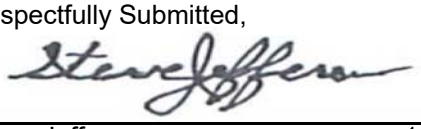
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Nov-21 16:38
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0337-01) Collected: 16-Aug-21 By MA of IPC							
Volatile Organics							
Acrylonitrile	EPA 624.1	AH12544	5.0	25-Aug-21	25-Aug-21	**<5.0 ug/l**	
Benzene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Bromoform	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Carbon tetrachloride	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Chlorobenzene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Dibromochloromethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Chloroethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
2-Chloroethylvinyl ether	EPA 624.1	AH12544	5.0	25-Aug-21	25-Aug-21	**<5.0 ug/l**	
Chloroform	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**10.0 ug/l**	
Bromodichloromethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**1.3 ug/l**	
1,2-Dichlorobenzene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,3-Dichlorobenzene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,4-Dichlorobenzene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,1-Dichloroethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,2-Dichloroethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,1-Dichloroethylene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,2-Dichloropropane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
cis-1,3-Dichloropropene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
trans-1,3-Dichloropropene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Ethylbenzene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Methyl Bromide (Bromomethane)	EPA 624.1	AH12544	2.0	25-Aug-21	25-Aug-21	**<2.0 ug/l**	
Methyl Chloride (Chloromethane)	EPA 624.1	AH12544	2.0	25-Aug-21	25-Aug-21	**<2.0 ug/l**	
Methylene chloride (Dichloromethane)	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Tetrachloroethylene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Toluene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	

Respectfully Submitted,



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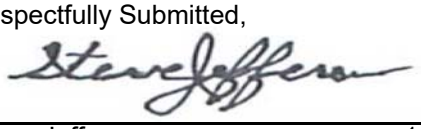
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
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Attention: Ric Vardel
Report Date: 19-Nov-21 16:38
Subject: (MCC) Annual EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0337-01) Collected: 16-Aug-21 By MA of IPC							
Volatile Organics							
trans-1,2-Dichloroethylene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,1,1-Trichloroethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
1,1,2-Trichloroethane	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Trichloroethylene	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Vinyl chloride	EPA 624.1	AH12544	1.0	25-Aug-21	25-Aug-21	**<1.0 ug/l**	
Surrogate: Dibromofluoromethane	EPA 624.1	AH12544		25-Aug-21	25-Aug-21	*97.0 % (70-130)*	
Surrogate: Toluene-d8	EPA 624.1	AH12544		25-Aug-21	25-Aug-21	*99.6 % (70-130)*	
Surrogate: Bromofluorobenzene	EPA 624.1	AH12544		25-Aug-21	25-Aug-21	*106 % (70-130)*	
Organochlorine Pesticides and PCBs							
Aldrin	EPA 608.3	AH11756	0.005	17-Aug-21	23-Aug-21	**<0.005 ug/l**	
alpha-BHC	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
beta-BHC	EPA 608.3	AH11756	0.005	17-Aug-21	23-Aug-21	**<0.005 ug/l**	
gamma-BHC (Lindane)	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
delta-BHC	EPA 608.3	AH11756	0.005	17-Aug-21	23-Aug-21	**<0.005 ug/l**	
Chlordane	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
4,4´-DDT	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
4,4´-DDE	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
4,4´-DDD	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Dieldrin	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
alpha-Endosulfan (I)	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
beta-Endosulfan (II)	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Endosulfan Sulfate	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Endrin	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Endrin Aldehyde	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Heptachlor	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 608.3	AH11756	0.01	17-Aug-21	23-Aug-21	**<0.01 ug/l**	
Aroclor 1016 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	

Respectfully Submitted,



Steve Jefferson 11/19/2021
Laboratory Director

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Report Date: 19-Nov-21 16:38
Subject: (MCC) Annual EFF

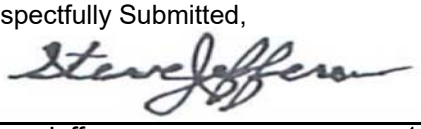
Project/P.O.#: (MCC) Annual EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21H0337-01) Collected: 16-Aug-21 By MA of IPC							
Organochlorine Pesticides and PCBs							
Aroclor 1221 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Toxaphene	EPA 608.3	AH11756	0.1	17-Aug-21	23-Aug-21	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 608.3	AH11756		17-Aug-21	23-Aug-21	*44.0 % (31.3-103)*	
Surrogate: Decachlorobiphenyl	EPA 608.3	AH11756		17-Aug-21	23-Aug-21	*54.0 % (13.5-142)*	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/19/2021
Laboratory Director

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

LA Testing Order ID: 322115006
Customer ID: PTCM42
Customer PO:
Project ID:

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

Phone: (805) 532-0012
Fax:
Received: 08/18/2021
Analyzed: 08/28/2021

Proj: 21H0337

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)		
21H0337-01 322115006-0001	8/18/2021 11:00 AM	15	1288	0.2600	≥ 0.5 µm	None Detected	ND	0.33	<0.33	0.00 - 1.20
					> 10 µm only	None Detected	ND	0.33	<0.33	0.00 - 1.20

Collection Date/Time: *08/16/2021 11:15 AM*

Analyst(s)
Sherrie Ahmad (1)

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

Any questions please contact Jerry Drapala.

Initial report from: 08/30/2021 16:48:53

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

21H0337 #3221150006

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: 21H0337-01 WASTE Water	**Sampled: 16-Aug-21 11:15**			**IPC - (MCC) Annual EFF**
Asbestos Water	31-Aug-21 12:00	12-Feb-22 11:15		SUB-OUT
Containers Supplied:				

4.2°c

Released By: Alex Valdez Jr. Date: AUG 17 2021 Received By: Amekuma Date: 8/17/2021 1525

Released By | Date | Received By | Date

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 1H19024

Project: 21H0337

Attn: Stephen Berentsen

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

Report Date: 11/12/2021

Received Date: 8/19/2021

Turnaround Time: Normal

Phones: (818) 639-5300

Fax: (818) 639-5306

P.O. #: COD TERMS

Billing Code:

ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH #4047 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 8/19/21 with the Chain-of-Custody document. The samples were received in good condition, at 4.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:

Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
21H0337-01	Client	1H19024-01	Water	08/16/21 11:15	

Analyses Accreditation Summary

Analyte	CAS #	Not By NELAP	ANAB ISO 17025
EPA 521 in Water			
N-Nitrosodimethylamine	62-75-9	✓	
NDMA-d6		✓	

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported: 11/12/2021 10:09

Sample Results

Sample: 21H0337-01 — Sampled: 08/16/21 11:15 by Client

1H19024-01 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
PPCPs - Hormones by LC/MSMS-APCI						
Method: EPA 1694M-APCI		**Instr:** LCMS03				
Batch ID: W1H1502 **Preparation:** EPA 3535/SPE		**Prepared:** 08/23/21 09:12				**Analyst:** jna
17-b-Estradiol	ND	4.0	ng/l	1	08/25/21	U-01
PPCPs - Pharmaceuticals by LC/MSMS-ESI-						
Method: EPA 1694M-ESI-		**Instr:** LCMS03				
Batch ID: W1H1501 **Preparation:** EPA 3535/SPE		**Prepared:** 08/23/21 09:11				**Analyst:** jna
Triclosan	ND	8.0	ng/l	1	08/25/21	U-01
PPCPs - Pharmaceuticals by LC/MSMS-ESI+						
Method: EPA 1694M-ESI+		**Instr:** LCMS03				
Batch ID: W1H1500 **Preparation:** EPA 3535/SPE		**Prepared:** 08/23/21 09:06				**Analyst:** jna
Caffeine	**27**	4.0	ng/l	1	08/24/21	U-01
DEET	**78**	4.0	ng/l	1	08/24/21	U-01

Sample Results

Sample: 21H0337-01 — Sampled: 08/16/21 11:15 by Client

1H19024-01RE1 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Nitrosamines by CI GC/MS/MS, EPA 521						
Method: EPA 521		**Instr:** GCMS09				
Batch ID: W1H1995 **Preparation:** EPA 521/SPE		**Prepared:** 08/30/21 08:48				**Analyst:** mld
N-Nitrosodimethylamine	ND	2.0	ng/l	1	08/31/21	
Surrogate(s)						
NDMA-d6	*88%*	*Conc: 21.9*	*70-130*		*08/31/21*	
PPCPs - Pharmaceuticals by LC/MSMS-ESI+						
Method: EPA 1694M-ESI+		**Instr:** LCMS03				
Batch ID: W1H1500 **Preparation:** EPA 3535/SPE		**Prepared:** 08/23/21 09:06				**Analyst:** jna
Sucralose	**16000**	20	ng/l	1	08/25/21	E-01, I-05, U-01

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www.wecklabs.com

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Quality Control Results

Nitrosamines by CI GC/MS/MS, EPA 521

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H1995 - EPA 521										
Blank (W1H1995-BLK1)				**Prepared: 08/30/21**	**Analyzed: 08/31/21**					
N-Nitrosodimethylamine	ND	2.0	ng/l							
Surrogate(s)										
NDMA-d6	*20.8*		*ng/l*	*25.0*		*83*	*70-130*			
LCS (W1H1995-BS1)				**Prepared: 08/30/21**	**Analyzed: 08/31/21**					
N-Nitrosodimethylamine	1.98	2.0	ng/l	2.00		99	50-150			
Surrogate(s)										
NDMA-d6	*29.5*		*ng/l*	*25.0*		*118*	*70-130*			
Matrix Spike (W1H1995-MS1)	**Source: 1H25046-01**			**Prepared: 08/30/21**	**Analyzed: 08/31/21**					
N-Nitrosodimethylamine	2.08	2.0	ng/l	2.16	ND	96	50-150			
Surrogate(s)										
NDMA-d6	*30.0*		*ng/l*	*27.0*		*111*	*70-130*			
Matrix Spike Dup (W1H1995-MSD1)	**Source: 1H25046-01**			**Prepared: 08/30/21**	**Analyzed: 08/31/21**					
N-Nitrosodimethylamine	2.16	2.0	ng/l	2.08	ND	104	50-150	4	50	
Surrogate(s)										
NDMA-d6	*25.6*		*ng/l*	*26.0*		*98*	*70-130*			

Quality Control Results

PPCPs - Hormones by LC/MSMS-APCI

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H1502 - EPA 1694M-APCI										
Blank (W1H1502-BLK1)				**Prepared: 08/23/21**	**Analyzed: 08/25/21**					
17-a-Ethynylestradiol	ND	4.0	ng/l							
17-b-Estradiol	ND	4.0	ng/l							
Estrone	ND	4.0	ng/l							
Progesterone	ND	4.0	ng/l							
Testosterone	ND	4.0	ng/l							
LCS (W1H1502-BS1)				**Prepared: 08/23/21**	**Analyzed: 08/25/21**					
17-a-Ethynylestradiol	42.0	4.0	ng/l	40.0		105	68-159			
17-b-Estradiol	32.4	4.0	ng/l	40.0		81	65-146			
Estrone	35.8	4.0	ng/l	40.0		89	59-141			
Progesterone	38.3	4.0	ng/l	40.0		96	58-154			
Testosterone	41.3	4.0	ng/l	40.0		103	60-172			
LCS Dup (W1H1502-BSD1)				**Prepared: 08/23/21**	**Analyzed: 08/25/21**					
17-a-Ethynylestradiol	51.1	4.0	ng/l	40.0		128	68-159	20	30	
17-b-Estradiol	42.8	4.0	ng/l	40.0		107	65-146	28	30	
Estrone	38.8	4.0	ng/l	40.0		97	59-141	8	30	
Progesterone	41.7	4.0	ng/l	40.0		104	58-154	8	30	
Testosterone	46.7	4.0	ng/l	40.0		117	60-172	12	30	

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI-

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H1501 - EPA 1694M-ESI-										
Blank (W1H1501-BLK1)				**Prepared: 08/23/21 Analyzed: 08/25/21**						
Bisphenol A	44.6	4.0	ng/l							B
Diclofenac	ND	4.0	ng/l							
Gemfibrozil	ND	4.0	ng/l							
Ibuprofen	ND	4.0	ng/l							
Iopromide	ND	4.0	ng/l							
Naproxen	ND	4.0	ng/l							
Salicylic Acid	ND	100	ng/l							
Triclosan	ND	8.0	ng/l							
LCS (W1H1501-BS1)				**Prepared: 08/23/21 Analyzed: 08/25/21**						
Bisphenol A	100	4.0	ng/l	40.0		251	53-168			BS-H
Diclofenac	31.7	4.0	ng/l	40.0		79	37-218			
Gemfibrozil	43.9	4.0	ng/l	40.0		110	76-122			
Ibuprofen	44.7	4.0	ng/l	40.0		112	67-139			
Iopromide	59.6	4.0	ng/l	40.0		149	0.1-163			
Naproxen	47.6	4.0	ng/l	40.0		119	64-138			
Salicylic Acid	1060	100	ng/l	1000		106	56-229			
Triclosan	96.3	8.0	ng/l	80.0		120	76-139			
LCS Dup (W1H1501-BSD1)				**Prepared: 08/23/21 Analyzed: 08/25/21**						
Bisphenol A	87.6	4.0	ng/l	40.0		219	53-168	13	30	BS-H
Diclofenac	40.5	4.0	ng/l	40.0		101	37-218	24	30	
Gemfibrozil	47.1	4.0	ng/l	40.0		118	76-122	7	30	
Ibuprofen	38.6	4.0	ng/l	40.0		96	67-139	15	30	
Iopromide	83.4	4.0	ng/l	40.0		209	0.1-163	33	30	BS-04
Naproxen	51.6	4.0	ng/l	40.0		129	64-138	8	30	
Salicylic Acid	1100	100	ng/l	1000		110	56-229	4	30	
Triclosan	95.3	8.0	ng/l	80.0		119	76-139	1	30	

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H1500 - EPA 1694M-ESI+										
Blank (W1H1500-BLK1)				**Prepared: 08/23/21 Analyzed: 08/24/21**						
Acetaminophen	ND	5.0	ng/l							
Albuterol	ND	5.0	ng/l							
Atenolol	ND	4.0	ng/l							
Atorvastatin	ND	4.0	ng/l							
Caffeine	ND	4.0	ng/l							
Carbadox	ND	10	ng/l							
Carbamazepine	ND	4.0	ng/l							
Ciprofloxacin	ND	20	ng/l							
Cotinine	ND	8.0	ng/l							
DEET	ND	4.0	ng/l							
Diazepam	ND	4.0	ng/l							
Erythromycin	ND	5.0	ng/l							
Fluoxetine	ND	4.0	ng/l							
Meprobamate	ND	4.0	ng/l							
Methadone	ND	4.0	ng/l							
Quinoline	ND	4.0	ng/l							
Sulfamethoxazole	ND	4.0	ng/l							
TCEP	ND	10	ng/l							
TCPP	ND	50	ng/l							
Trimethoprim	ND	4.0	ng/l							
Blank (W1H1500-BLK2)				**Prepared: 08/23/21 Analyzed: 08/25/21**						
Phenytoin (Dilantin)	ND	4.0	ng/l							QC-2
Primidone	ND	4.0	ng/l							QC-2
Sucralose	ND	20	ng/l							QC-2
TDCPP	ND	50	ng/l							QC-2
Blank (W1H1500-BLK3)				**Prepared: 08/23/21 Analyzed: 08/27/21**						
Azithromycin	ND	20	ng/l							QC-2
LCS (W1H1500-BS1)				**Prepared: 08/23/21 Analyzed: 08/24/21**						
Acetaminophen	59.5	5.0	ng/l	50.0		119	66-156			
Albuterol	13.9	5.0	ng/l	50.0		28	50-150			BS-L
Atenolol	45.6	4.0	ng/l	40.0		114	56-164			
Atorvastatin	15.5	4.0	ng/l	40.0		39	0.1-173			
Caffeine	36.7	4.0	ng/l	40.0		92	55-152			
Carbadox	71.3	10	ng/l	100		71	50-150			
Carbamazepine	46.2	4.0	ng/l	40.0		116	60-135			
Ciprofloxacin	209	20	ng/l	200		104	51-168			
Cotinine	81.2	8.0	ng/l	80.0		102	68-155			
DEET	51.7	4.0	ng/l	40.0		129	45-135			
Diazepam	35.1	4.0	ng/l	40.0		88	58-127			

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+ (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H1500 - EPA 1694M-ESI+ (Continued)										
LCS (W1H1500-BS1)				**Prepared: 08/23/21**	**Analyzed: 08/24/21**					
Erythromycin	2.70	5.0	ng/l	50.0		5	50-150			BS-L
Fluoxetine	37.7	4.0	ng/l	40.0		94	55-150			
Meprobamate	30.2	4.0	ng/l	40.0		76	11-166			
Methadone	39.4	4.0	ng/l	40.0		98	62-137			
Quinoline	11.2	4.0	ng/l	40.0		28	50-150			BS-L
Sulfamethoxazole	38.3	4.0	ng/l	40.0		96	60-133			
TCEP	88.2	10	ng/l	100		88	25-149			
TCPP	529	50	ng/l	500		106	24-149			
Trimethoprim	36.0	4.0	ng/l	40.0		90	67-139			
LCS (W1H1500-BS2)				**Prepared: 08/23/21**	**Analyzed: 08/25/21**					
Phenytoin (Dilantin)	39.6	4.0	ng/l	40.0		99	69-138			QC-2
Primidone	40.4	4.0	ng/l	40.0		101	54-147			QC-2
Sucralose	211	20	ng/l	200		106	50-150			QC-2
TDCPP	640	50	ng/l	500		128	20-158			QC-2
LCS (W1H1500-BS3)				**Prepared: 08/23/21**	**Analyzed: 08/27/21**					
Azithromycin	212	20	ng/l	200		106	52-166			QC-2
LCS Dup (W1H1500-BSD1)				**Prepared: 08/23/21**	**Analyzed: 08/24/21**					
Acetaminophen	63.8	5.0	ng/l	50.0		128	66-156	7	30	
Albuterol	10.9	5.0	ng/l	50.0		22	50-150	24	30	BS-L
Atenolol	49.3	4.0	ng/l	40.0		123	56-164	8	30	
Atorvastatin	17.3	4.0	ng/l	40.0		43	0.1-173	11	30	
Caffeine	40.9	4.0	ng/l	40.0		102	55-152	11	30	
Carbadox	95.4	10	ng/l	100		95	50-150	29	30	
Carbamazepine	36.0	4.0	ng/l	40.0		90	60-135	25	30	
Ciprofloxacin	246	20	ng/l	200		123	51-168	16	30	
Cotinine	94.1	8.0	ng/l	80.0		118	68-155	15	30	
DEET	46.6	4.0	ng/l	40.0		116	45-135	10	30	
Diazepam	39.1	4.0	ng/l	40.0		98	58-127	11	30	
Erythromycin	2.72	5.0	ng/l	50.0		5	50-150	0.5	30	BS-L
Fluoxetine	43.5	4.0	ng/l	40.0		109	55-150	14	30	
Meprobamate	42.7	4.0	ng/l	40.0		107	11-166	34	30	Q-12
Methadone	42.4	4.0	ng/l	40.0		106	62-137	7	30	
Quinoline	9.88	4.0	ng/l	40.0		25	50-150	13	30	BS-L
Sulfamethoxazole	40.4	4.0	ng/l	40.0		101	60-133	5	30	
TCEP	107	10	ng/l	100		107	25-149	20	30	
TCPP	581	50	ng/l	500		116	24-149	9	30	
Trimethoprim	39.0	4.0	ng/l	40.0		98	67-139	8	30	
LCS Dup (W1H1500-BSD2)				**Prepared: 08/23/21**	**Analyzed: 08/25/21**					
Phenytoin (Dilantin)	39.9	4.0	ng/l	40.0		100	69-138	0.7	30	QC-2

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

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Quality Control Results

(Continued)

PPCPs - Pharmaceuticals by LC/MSMS-ESI+ (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1H1500 - EPA 1694M-ESI+ (Continued)										
LCS Dup (W1H1500-BSD2)				**Prepared: 08/23/21**	**Analyzed: 08/25/21**					
Primidone	45.1	4.0	ng/l	40.0		113	54-147	11	30	QC-2
Sucralose	240	20	ng/l	200		120	50-150	13	30	QC-2
TDCPP	648	50	ng/l	500		130	20-158	1	30	QC-2
LCS Dup (W1H1500-BSD3)				**Prepared: 08/23/21**	**Analyzed: 08/27/21**					
Azithromycin	231	20	ng/l	200		116	52-166	9	30	QC-2

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San Fernando, CA 91340

Project Number: 21H0337

Project Manager: Stephen Berentsen

Reported:
11/12/2021 10:09

Notes and Definitions

Item	Definition
B	Blank contamination. The analyte was found in the associated blank as well as in the sample.
BS-04	The recovery of this analyte in LCS or LCSD was outside control limit. Sample was accepted based on the remaining LCS, LCSD or LCS-LL.
BS-H	The recovery of this analyte in the BS/LCS was over the control limit. Sample result is suspect.
BS-L	The recovery of this analyte in the BS/LCS was below the control limit. Sample result is suspect.
E-01	The concentration indicated for this analyte is an estimated value above the calibration range.
I-05	Low internal standard recovery possibly due to matrix interference. The result is suspect.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
QC-2	This QC sample was reanalyzed to complement samples that require re-analysis on different date. See analysis date.
U-01	The sample was received without the proper preservation.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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September 2, 2021

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

Lab ID : SP 2111353
Customer : 2-12670

Laboratory Report

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

Case Narrative	(1 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
21H0337-01	08/16/2021	08/17/2021	SP 2111353-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived at 6 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

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

Inorganic - Wet Chemistry QC

218.6	08/23/2021:213058 All analysis quality controls are within established criteria
	08/23/2021:209681 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573)

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

KD:MKH

Reviewed and Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2021-09-02

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
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Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

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San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
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Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

September 2, 2021

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

Description : 21H0337-01
Project : 21H0337

Lab ID : SP 2111353-001
Customer ID : 2-12670

Sampled On : August 16, 2021-11:15
Sampled By : Not Available
Received On : August 17, 2021-14:50
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Chromium VI	0.1	0.1	ug/L		218.6	08/23/21:209681	218.6	08/23/21:213058

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

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Stockton, CA 95215
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Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
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September 2, 2021 Lab ID : SP 2111353
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6	08/23/21:209681VVH	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	98.6 %	90-110	
			MS	ug/L	2.000	97.2 %	75-125	
		(SP 2111594-001)	MSD	ug/L	2.000	97.4 %	75-125	
			MSRPD	ug/L	2.000	0.05%	≤20	
			MS	ug/L	2.000	86.3 %	75-125	
		(SP 2111595-001)	MSD	ug/L	2.000	90.5 %	75-125	
			MSRPD	ug/L	2.000	0.8%	≤20	
	218.6	08/23/21:213058VVH	CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	98.8 %	95-105	
			CCB	ppb		0.000	0.1	
			CCV	ppb	5.000	98.1 %	95-105	

Definition

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

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Stockton, CA 95215
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FAX: (805)783-2912
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9415 W. Goshen Avenue
Visalia, CA 93291
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FAX: (559)734-8435
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SUBCONTRACT ORDER

Pat-Chem Laboratories

21H0337

211353

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: 21H0337-01	**Water**	**Sampled: 16-Aug-21 11:15**			**IPC - (MCC) Annual EFF**
Hex Cr 218.6 (Sub)		31-Aug-21 12:00	23-Aug-21 11:15		SUB-OUT
Containers Supplied:					

Released By	Date	Received By	Date
[signature]	AUG 17 2021	[signature]	8/17/21 14:50
Released By	Date	Received By	Date

6° C

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21170337

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	8/16/21	11:15	1	Priority Metals	Grab	AQ	1L P	HN	
			1	Hex Cr	Grab	AQ	250 P	4°C	
			2	624 Priority	Grab	AQ	VOA	4°C	
			2	625 Priority, 608 Priority	Grab	AQ	1L G	4°C	
			1	CN	Grab	AQ	250 P	OH, AA 4°C	
			1	Asbestos	Grab	AQ	1L G		
			6	17-Estradiol, Caffeine, NDMA, Triciosan, DEET, Sucralose	Grab	AQ	1L G	4°C	

RECEIVED
AUG 16 2021
By

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
(HN) - HNO_3
HP - H_3PO_4
(OH) - NaOH
ST - Sodium Thiosulfate
(AA) - Ascorbic Acid
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
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San Fernando, CA 91340
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(818) 639-5306 fx
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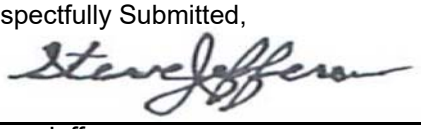
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Oct-21 13:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0604-01) Collected: 26-Sep-21 By JV of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AI12657	1.8	26-Sep-21	30-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12657	1.8	26-Sep-21	30-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	26-Sep-21	26-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12660	0.05	26-Sep-21	26-Sep-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21I0623-01) Collected: 27-Sep-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12760	1.8	27-Sep-21	29-Sep-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12760	1.8	27-Sep-21	29-Sep-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	27-Sep-21	27-Sep-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12850	0.05	28-Sep-21	28-Sep-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21I0659-01) Collected: 28-Sep-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12849	1.8	28-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12849	1.8	28-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AI12851	0.1	28-Sep-21	28-Sep-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI12850	0.05	28-Sep-21	28-Sep-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21I0714-01) Collected: 29-Sep-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI12941	1.8	29-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI12941	1.8	29-Sep-21	01-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	29-Sep-21	29-Sep-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI13043	0.05	30-Sep-21	30-Sep-21	**0.10 mg/l**	

Respectfully Submitted,



Steve Jefferson 10/5/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 05-Oct-21 13:49
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21I0724-01) Collected: 30-Sep-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AI13036	1.8	30-Sep-21	02-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AI13036	1.8	30-Sep-21	02-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	30-Sep-21	30-Sep-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AI13043	0.05	30-Sep-21	30-Sep-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21J0010-01) Collected: 01-Oct-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10135	1.8	01-Oct-21	03-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10135	1.8	01-Oct-21	03-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	01-Oct-21	01-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21J0019-01) Collected: 02-Oct-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10234	1.8	02-Oct-21	04-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10234	1.8	02-Oct-21	04-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	02-Oct-21	02-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21J0024-01) Collected: 03-Oct-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10337	1.8	03-Oct-21	05-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10337	1.8	03-Oct-21	05-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ10446	0.1	04-Oct-21	04-Oct-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**0.12 mg/l**	

Respectfully Submitted,

Steve Jefferson 10/5/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 05-Oct-21 13:49
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 10/5/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0604

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

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field Lab
EFF	9-26-21	950	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	T.O / 22.3°C
	9-26-21	945	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	9-26-21	10:00
Received by		Juan V. (PCL)	9/26/21	10:00
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	9/26/21	11:04

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0623

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

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	09/27/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.89/19.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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SEP 27 2021
By

Geotracker EDD:
Logcode: IPCI
GlobalID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	09/27/21	1140
Received by		MARIO SANTIESTEBAN (PCL)	9/27/21	1422
Relinquished by		MARIO SANTIESTEBAN (PCL)	9/27/21	1530
Received by				
Relinquished by				
Received in lab by		SEP 27 2021		1530

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample R-M 21I0659
Sample I.D.#: ~~21I0644~~

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9-28-21	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
SEP 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	9-28-21	1115
Received by		Richard Vardel IPC	9/28/21	1120
Relinquished by		Richard Martinez IPC	9/28/21	1210
Received by				
Relinquished by				
Received in lab by		SEP 28 2021		1210

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0714

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	9/29/21	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

SEP 29 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	9/29/21	11:30
Received by		Richard Martinez 2d	9/29/21	1330
Relinquished by		Richard Martinez 2d	9/29/21	1530
Received by				
Relinquished by				
Received in lab by		SEP 29 2021		1530

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21I0724

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	9/30/21	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8/10.0/26.4°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.40/26.4°C

SEP 30 2021

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	9/30/21	17:00
Received by:	Armando Olmos IPC	9/30/21	12:00
Relinquished by:	Armando Olmos IPC	9/30/21	13:10
Received by:			
Relinquished by:			
Received in lab by:	SEP 30 2021		1310

Sample Received Checklist 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(G) Grab
Comp

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

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

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

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

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San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0010

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/1/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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OCT 01 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	10/1/21	1140
Received by	Jonathan V. (PCL)	10/1/21	1201
Relinquished by	Jonathan V. (PCL)	10/1	16:07
Received by			
Relinquished by			
Received in lab by		OCT 01 2021	1607

Sample Received Checklist

Temperature upon receipt: ypc

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0019

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

Project: (MCC) Daily EFF
Sampled by: Jose Avelos
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/02/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avelos	Jesus Avelos (IPC)	10/02/21	10:55
Received by:	Richard Martinez FA	10/02/21	10:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez SCL	10/2/21	1340

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0024

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

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/2/21	935	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 25.6°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	10/3/21	9:50
Received by	Juan V. (PCL)	10/3/21	9:50
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	10/3/21	10:46

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

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

Attention: Ric Vardel
Report Date: 11-Oct-21 17:09
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0039-01) Collected: 04-Oct-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10450	1.8	04-Oct-21	06-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10450	1.8	04-Oct-21	06-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	04-Oct-21	04-Oct-21	**7.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10448	0.05	04-Oct-21	04-Oct-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21J0057-01) Collected: 05-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10549	1.8	05-Oct-21	08-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10549	1.8	05-Oct-21	08-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	05-Oct-21	05-Oct-21	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10638	0.05	06-Oct-21	06-Oct-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21J0107-01) Collected: 06-Oct-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10643	1.8	06-Oct-21	08-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10643	1.8	06-Oct-21	08-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	06-Oct-21	06-Oct-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10638	0.05	06-Oct-21	06-Oct-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21J0155-01) Collected: 07-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10739	1.8	07-Oct-21	09-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10739	1.8	07-Oct-21	09-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	07-Oct-21	07-Oct-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10829	0.05	08-Oct-21	08-Oct-21	**0.09 mg/l**	

Respectfully Submitted,

Steve Jefferson 10/11/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 11-Oct-21 17:09
Subject: (MCC) Daily EFF

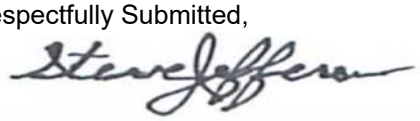
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0176-01) Collected: 08-Oct-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10834	1.8	08-Oct-21	10-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10834	1.8	08-Oct-21	10-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	08-Oct-21	08-Oct-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ10829	0.05	08-Oct-21	08-Oct-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21J0184-01) Collected: 09-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ10925	1.8	09-Oct-21	11-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ10925	1.8	09-Oct-21	11-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	09-Oct-21	09-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11050	0.05	10-Oct-21	10-Oct-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 10/11/2021
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.#: 21J0039

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/04/21	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C	Carlos Alvarez (IPC)	10/04/21	1110
Received by		Jonathan V. (PCL)	10/4	12:10
Relinquished by		Jonathan V. (PCL)	10/4	14:30
Received by				
Relinquished by				
Received in Lab by			OCT 04 2021	1430

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0057

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/5/21	1106	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									

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By

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	10/5/21	1110
Received by		Richard Martinez PCL	10/5/21	1150
Relinquished by		Richard Martinez PCL	10/5/21	1410
Received by				
Relinquished by				
Received in lab by		OCT 05 2021		1410

Sample Received Checklist 4°C

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2130107

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	10/06/21	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/06/21	1200
Received by		Jonathan V. (PCL)	10/06	12:20
Relinquished by		Jonathan V. (PCL)	10/06	14:00
Received by				
Relinquished by				
Received in lab by			OCT 06 2021	1442

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

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1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0155

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	10/7/21	12:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

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OCT 07 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	10/7/21	12:30
Received by	(PCL)	10/7/21	12:30
Relinquished by	Jonathan V. (PCL)	10/7	14:30
Received by			
Relinquished by			
Received for lab by		OCT 07 2021	1430

Sample Received Checklist

Temperature upon receipt: 40c

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Pat-Chem Laboratories
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San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2150176

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/08	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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OCT 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		LUIS WATSON (IPC)	10-8	12:05
Received by		Richard Matthes PIL	10-8	1210
Relinquished by		Richard Matthes PIL	10-8	1415
Received by				
Relinquished by				
Received (lab) by			OCT 08 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; AI - $AlCl_3$; Cu - $CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0184

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	10-9-21	1012	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.42/21.4
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	10-9-21	1200
Received by	MARIO SANTIESTEBAN (PCL)	10/9/21	1200
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	10/9/21	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	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

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

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

Attention: Ric Vardel
Report Date: 20-Oct-21 13:31
Subject: (MCC) Weekly INF

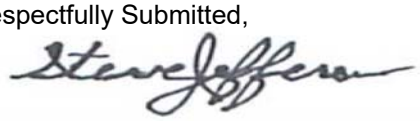
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21J0108-01) Collected: 05-Oct-21 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ10741	1	07-Oct-21	08-Oct-21	**236 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ10735	2	07-Oct-21	12-Oct-21	**229 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 10/20/2021
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.#: 21J0108

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/05/21	0000	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									

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OCT 06 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cpe)	10/06/21	12:15
Received by		Jonathan V.	10/06	12:15
Relinquished by		Jonathan V. (PC)	10/06	14:00
Received by				
Relinquished by				
Received in lab by		OCT 06 2021	1400	

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 20-Oct-21 13:17
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0109-01) Collected: 06-Oct-21 By CA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AJ10738	5	07-Oct-21	08-Oct-21	**904 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AJ10731	20.0	07-Oct-21	08-Oct-21	**266 mg/l**	
Sulfate as SO4	EPA 300.0	AJ10731	10.0	07-Oct-21	08-Oct-21	**293 mg/l**	
Boron	EPA 200.7	AJ11145	0.10	11-Oct-21	12-Oct-21	**0.19 mg/l**	
Phosphorus, Total as P	EPA 365.3	AJ11144	0.25	11-Oct-21	11-Oct-21	**1.66 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AJ10922	0.20	07-Oct-21	11-Oct-21	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AJ10743	5	07-Oct-21	07-Oct-21	**<5 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 10/20/2021
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.#: 21J0109

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/06/21	1150	1	Sulfate, Chloride, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T Phos	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 06 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/06/21	1200
Received by		Jonathan V.	10/06	12:15
Relinquished by		Jonathan V (PG)	10/06	1400
Received by				
Relinquished by				
Received in lab by		OCT 06 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
(Grab)
Comp

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

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

Preservations
(HC) - HCl
HS - H_2SO_4
(HN) - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Oct-21 13:26
Subject: (MCC) Weekly EFF

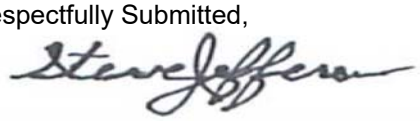
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0101-01) Collected: 06-Oct-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ10647	1	06-Oct-21	07-Oct-21	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ10828	0.10	08-Oct-21	08-Oct-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AJ10727	0.05	07-Oct-21	07-Oct-21	**1.42 mg/l**	
Nitrite as N	EPA 353.2	AJ10727	0.05	07-Oct-21	07-Oct-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ10826	0.10	08-Oct-21	09-Oct-21	**0.66 mg/l**	
EFF (Sample I.D.# : 21J0101-02) Collected: 05-Oct-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ10735	2	07-Oct-21	12-Oct-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 10/20/2021
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.#: 21J0101

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/06/21	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	
	10/05/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

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OCT 06 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cafe)	10/06/21	1200
Received by		Jonathan V.	10/06	12:15
Relinquished by		Jonathan V (GSO)	10/06	14:00
Received by				
Relinquished by				
Received in lab by			OCT 06 2021	1400

Sample Received Checklist

Temperature upon receipt: 40C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 20-Oct-21 13:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0187-01) Collected: 10-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11047	1.8	10-Oct-21	12-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11047	1.8	10-Oct-21	12-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11146	0.1	10-Oct-21	10-Oct-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11050	0.05	10-Oct-21	10-Oct-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21J0198-01) Collected: 11-Oct-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11150	1.8	11-Oct-21	13-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11150	1.8	11-Oct-21	13-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11540	0.1	11-Oct-21	11-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11250	0.05	12-Oct-21	12-Oct-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21J0223-01) Collected: 12-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11251	1.8	12-Oct-21	15-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11251	1.8	12-Oct-21	15-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11540	0.1	12-Oct-21	12-Oct-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11250	0.05	12-Oct-21	12-Oct-21	**0.17 mg/l**	
EFF (Sample I.D.# : 21J0264-01) Collected: 13-Oct-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11344	1.8	13-Oct-21	15-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11344	1.8	13-Oct-21	15-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11540	0.1	13-Oct-21	13-Oct-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11433	0.05	14-Oct-21	14-Oct-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 10/20/2021
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: 20-Oct-21 13:04
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0301-01) Collected: 14-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11438	1.8	14-Oct-21	16-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11438	1.8	14-Oct-21	16-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ11540	0.1	14-Oct-21	14-Oct-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11538	0.05	15-Oct-21	15-Oct-21	**0.13 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 10/20/2021
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.#: 21J0187

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

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserv.	Field Data (pH / Temperature) pH: Field / Lab
EFF	10/10/21	954	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 19.0°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		E. MORRIS IPC	10/10/21	10:00
Received by		Juan Vasquez (PCL)	10/10/21	1050
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	10/10/21	12:21

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0198

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	10/11/21	1138	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.41/22.3°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C. ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/11/21	1145
Received by		Cindy Myers	10-11-21	12:20
Relinquished by		Cindy Myers	10/11/21	1345
Received by				
Relinquished by				
Received in Lab by			OCT 11 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
AI - $AlCl_3$
Cu - $CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 2150223

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-12-21	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 20.6 C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	10-12-21	1109
Received by		Cindy M	10 12 21	11:25
Relinquished by		Cindy M	10-12-21	1355
Received by				
Relinquished by				
Received in lab by			OCT 12 2021	1355

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0264

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

Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Carlos Alvarez
Report Attention: Ric Vardel / Golan Kfir

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/13/21	1150	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 / 21.4 -C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
	1	1							

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OCT 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/13/21	1200
Received by			10.13.21	12:10
Relinquished by			10/13/21	1330
Received by				
Relinquished by				
Received in lab by			OCT 13 2021	1330

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0301

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	10/14/21	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2/22.1-C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

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OCT 14 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10-14-21	12:10
Received by	Cinyman	10.14.21	12:10
Relinquished by	Cindy Wang	10/14/21	14:35
Received by			
Relinquished by			
Received in lab by		OCT 14 2021	1435

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	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: 22-Oct-21 15:33
Subject: (MCC) Weekly INF

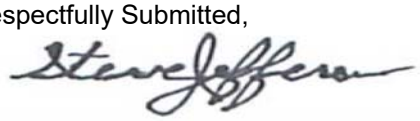
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21J0269-01) Collected: 12-Oct-21 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ11442	1	14-Oct-21	15-Oct-21	**166 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ11428	2	14-Oct-21	21-Oct-21	**506 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 10/22/2021
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.#: 21J0269

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
INF	10/12/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	6.8 / 14.0 °C
1	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	10/13/21	1200
Received by		Cindy Waring	10/13/21	12:10
Relinquished by		Cindy Waring	10/13/21	13:30
Received by				
Relinquished by				
Received in lab by		OCT 13 2021		1330

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
(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.

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LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 22-Oct-21 15:31
Subject: (MCC) Weekly EFF

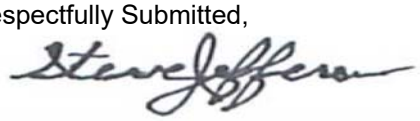
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0268-01) Collected: 13-Oct-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ11442	1	14-Oct-21	15-Oct-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ11967	0.10	19-Oct-21	19-Oct-21	**0.22 mg/l**	
Nitrate as N	EPA 353.2	AJ11426	0.05	14-Oct-21	14-Oct-21	**0.40 mg/l**	
Nitrite as N	EPA 353.2	AJ11426	0.05	14-Oct-21	14-Oct-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ11531	0.10	15-Oct-21	15-Oct-21	**1.13 mg/l**	
EFF (Sample I.D.# : 21J0268-02) Collected: 12-Oct-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ11428	2	14-Oct-21	21-Oct-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 10/22/2021
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.#: 21J0268

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	10/13/21	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	7.4 | 22.4-C
	10/12/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
OCT 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAC)	10/13/21	1200
Received by		Cindy Martin	10/13/21	1210
Relinquished by		Cindy Martin	10/13/21	1330
Received by				
Relinquished by				
Received in lab by			OCT 13 2021	1330

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM LABORATORIES
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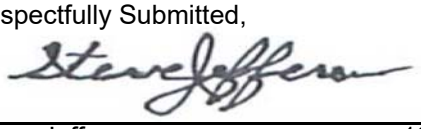
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 22-Oct-21 15:26
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0322-01) Collected: 15-Oct-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11541	1.8	15-Oct-21	17-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11541	1.8	15-Oct-21	17-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12137	0.1	15-Oct-21	15-Oct-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11846	0.05	18-Oct-21	18-Oct-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21J0345-01) Collected: 16-Oct-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11635	1.8	16-Oct-21	18-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11635	1.8	16-Oct-21	18-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12137	0.1	16-Oct-21	16-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11846	0.05	18-Oct-21	18-Oct-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21J0348-01) Collected: 17-Oct-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11757	1.8	17-Oct-21	19-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11757	1.8	17-Oct-21	19-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12137	0.1	17-Oct-21	17-Oct-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11846	0.05	18-Oct-21	18-Oct-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21J0361-01) Collected: 18-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11849	1.8	18-Oct-21	20-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11849	1.8	18-Oct-21	20-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12137	0.1	18-Oct-21	18-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11846	0.05	18-Oct-21	18-Oct-21	**0.13 mg/l**	

Respectfully Submitted,



Steve Jefferson 10/22/2021
Laboratory Director

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

Attention: Ric Vardel
Report Date: 22-Oct-21 15:26
Subject: (MCC) Daily EFF

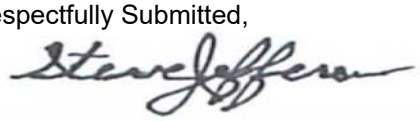
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0391-01) Collected: 19-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ11974	1.8	19-Oct-21	21-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ11974	1.8	19-Oct-21	21-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12137	0.1	19-Oct-21	19-Oct-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ11973	0.05	19-Oct-21	19-Oct-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 10/22/2021
Laboratory Director

Pat-Chem Laboratories
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San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0322

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/15	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1/21.2
	" "	11:05	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Luke Watson (IPC)	10/15/21	11:10
Received by	Cindy Watson	10-15-21	12:05
Relinquished by	Cindy Watson	10-15-21	13:15
Received by			
Relinquished by			
Received in lab by		OCT 15 2021	13:15

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0345

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	10-16-21	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	10-16-21	1150
Received by	Richard Martinez GeoLogic	10/16/21	1250
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard Martinez PCL	10/16/21	1540

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0348

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	10-17-21	9:18	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 19.2°C
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	10-17-21	930
Received by		Juan Vasquez (PCL)	10/17/21	10:48
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan V. (PCL)	10/17/21	1314

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0361

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	10/18/21	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 18 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	10/18/21	12:12
Received by	Jonathan V.	10/18	12:12
Relinquished by	Jonathan V. (PCL)	10/18	14:18
Received by			
Relinquished by			
Received in lab by	OCT 18 2021		14:18

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21T0391

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	10-19-21	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0/20.2°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 19 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	10-19-21	1129
Received by		Cindy MARIN	10-19-21	12:15
Relinquished by		Cindy Marin	10-19-21	4:00
Received by				
Relinquished by				
Received in lab by		OCT 19 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	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

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

Attention: Ric Vardel
Report Date: 26-Oct-21 16:20
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21J0444-01) Collected: 19-Oct-21 By C.A of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ12144	1	21-Oct-21	22-Oct-21	**101 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ12133	2	21-Oct-21	26-Oct-21	**409 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 10/26/2021
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.#: 21JO444

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/19/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	0:00	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
OCT 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name . (Company)	Date	Time
Relinquished by	Maria Aguirre (IPC)	10/20/21	12:03
Received by	Jonathan V. (PCL)	10/20	1223
Relinquished by	Jonathan V. (PCL)	10/20	13:20
Received by			
Relinquished by			
Received in lab by		OCT 20 2021	1320

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 03-Nov-21 17:15
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0437-01) Collected: 20-Oct-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12027	1.8	20-Oct-21	22-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12027	1.8	20-Oct-21	22-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12137	0.1	20-Oct-21	20-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12147	0.05	21-Oct-21	21-Oct-21	**0.15 mg/l**	
EFF (Sample I.D.# : 21J0460-01) Collected: 21-Oct-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12141	1.8	21-Oct-21	23-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12141	1.8	21-Oct-21	23-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12733	0.1	21-Oct-21	21-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12147	0.05	21-Oct-21	21-Oct-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21J0480-01) Collected: 22-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12242	1.8	22-Oct-21	24-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12242	1.8	22-Oct-21	24-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12733	0.1	22-Oct-21	22-Oct-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12457	0.05	24-Oct-21	24-Oct-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21J0491-01) Collected: 23-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12328	1.8	23-Oct-21	25-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12328	1.8	23-Oct-21	25-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12733	0.1	23-Oct-21	23-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12457	0.05	24-Oct-21	24-Oct-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/3/2021
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: 03-Nov-21 17:15
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0495-01) Collected: 24-Oct-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12452	1.8	24-Oct-21	26-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12452	1.8	24-Oct-21	26-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12733	0.1	24-Oct-21	24-Oct-21	**7.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12457	0.05	24-Oct-21	24-Oct-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21J0512-01) Collected: 25-Oct-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12551	1.8	25-Oct-21	27-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12551	1.8	25-Oct-21	27-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12733	0.1	25-Oct-21	25-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12664	0.05	26-Oct-21	26-Oct-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21J0563-01) Collected: 26-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12661	1.8	26-Oct-21	28-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12661	1.8	26-Oct-21	28-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AJ12733	0.1	27-Oct-21	27-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12664	0.05	26-Oct-21	26-Oct-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21J0642-01) Collected: 27-Oct-21 By MA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12737	1.8	27-Oct-21	29-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12737	1.8	27-Oct-21	29-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10145	0.1	27-Oct-21	27-Oct-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12841	0.05	28-Oct-21	28-Oct-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/3/2021
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: 03-Nov-21 17:15
Subject: (MCC) Daily EFF

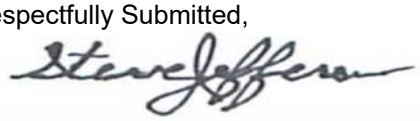
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0683-01) Collected: 28-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12837	1.8	28-Oct-21	30-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12837	1.8	28-Oct-21	30-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10145	0.1	28-Oct-21	28-Oct-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AJ12940	0.05	29-Oct-21	29-Oct-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21J0725-01) Collected: 29-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ12936	1.8	29-Oct-21	31-Oct-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ12936	1.8	29-Oct-21	31-Oct-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10145	0.1	29-Oct-21	29-Oct-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10154	0.05	01-Nov-21	01-Nov-21	**0.13 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/3/2021
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.#: 21J0437

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/20/21	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Marie Aguirre (IK)	10/20/21	12:03
Received by	Jonathan V. (PCL)	10/20	11:24
Relinquished by	Jonathan V. (PCL)	10/20	13:20
Received by			
Relinquished by			
Received in lab by		OCT 20 2021	1320

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0460

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	10/21/21	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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OCT 21 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	10/21/21	17:22
Received by:	Jonathan V. (PCL)	10/21/21	17:22
Relinquished by:	Jonathan V. (PCL)	10/21	14:50
Received by:			
Relinquished by:			
Received by lab by:	OCT 21 2021		14:50

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: _____

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: 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	10/23/21	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	10/23/21	10:50
Received by:	Richard Martinez PCL	10/25/21	1200
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez PCL	10/26/21	1420

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J495

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	10-24-21	950	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	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: E. MORRIS	E. MORRIS IPC	10-24-21	1000
Received by: Juan V.	Juan V. (PCL)	10/24/21	10:40
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Juan V.	Juan Vasquez (PCL)	10/24/21	12:24

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0512

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/25/21	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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OCT 25 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel Huey (IPC)	10/25/21	1115
Received by		Jonathan V. PCL	10/25	12:07
Relinquished by		Jonathan V. (PCL)	10/25	13:40
Received by				
Relinquished by				
Received by		OCT 25 2021		1340

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

2. Independent Contractor

3. Orders and Acceptance

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession where applicable. PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (CLEAR), 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

10. Hold Harmless

11. Hazardous Substances

Client agrees that all samples submitted to PCL by Client or on Client's behalf are not hazardous as defined by federal, state or local laws, rules or regulations, except as otherwise disclosed in writing to PCL prior to the performance of the services. Client further represents and warrants that it has complied with all applicable laws, rules and regulations with respect to the labeling, packaging, shipping and transportation of any samples submitted to PCL. Client agrees that PCL is not responsible for any costs, losses, damages, liabilities or expenses incurred by PCL in connection with the performance of services under this agreement, including, but not limited to, costs incurred by PCL for analysis, treatment, storage, handling, transportation, disposal or identification of any samples submitted by Client to PCL that are determined to be hazardous as defined by federal, state or local laws, rules or regulations. Client agrees to indemnify, defend and hold harmless PCL, its officers, agents, employees and subcontractors from and against any and all claims, demands, causes of action, damages, costs, expenses, losses or liabilities sustained or incurred by or asserted against PCL, its officers, agents, employees or subcontractors in connection with or arising out of any sample submitted to PCL by Client or on Client's behalf that is determined to be hazardous as defined by federal, state or local laws, rules or regulations, except as otherwise disclosed in writing to PCL prior to the performance of the services. Client's indemnification obligations under this paragraph shall survive the termination of this agreement.

Client acknowledges and agrees that any hazardous material received by PCL from Client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Substances. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

13. Agreement Modification

14. No Third Party Beneficiaries; No Right of Reliance

15. Rush Analysis

16. Holding Times

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, or per the agreed upon additional fee.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0563

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	10-26-21	1103	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 26 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	10-26-21	1108
Received by		Richard M. IPC	10/26/21	1250
Relinquished by		Richard M.	10/26/21	1415
Received by				
Relinquished by				
Received in lab by			OCT 26 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
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), Ed Watchboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examinations of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from 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

10. Hold Harmless

11. Hazardous Substances

Material: Client understands and agrees that any hazardous materials received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Terms/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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0672

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/27/21	11:48	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.57/20.4°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 27 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	10/27/21	11:58
Received by	MARIO SANTIESTEBAN (PCL)	10/27/21	1400
Relinquished by	MARIO SANTIESTEBAN (PCL)	10/27/21	1555
Received by			
Relinquished by			
Received in lab by	OCT 27 2021		1555

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

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

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

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and conditions of sale, including the price schedule, and any attachments or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including all sampling services and those 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 place orders for services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No additional or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of 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) 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 generated pursuant to the services performed 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 for compliance. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of client data where such standard was observed. PCL reports and information provided thereby are for the exclusive use and benefit of client and the client hereby shall be the only third party to rely upon PCL reports, data or information. Client will not disclose any third party any proprietary information, technical information, software or programs of other third parties.

10. Hold Harmless

Client indicates and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees (including those fees associated with in-house counsel of PCL 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 classification, 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 or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or act or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent expressly under applicable law, client agrees that its indemnification rights will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, fees for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

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

12. Prices/Payments

Client shall pay PCL [illegible] in accordance with the price schedule in effect at the time the services are performed. PCL may change its price schedule from time to time with or without notice. Client shall pay PCL's invoices within thirty (30) days of the date of invoice. In the event payment of charges are not received within thirty (30) days after the date of invoice, PCL may, in addition to all other remedies available to it, charge interest on the unpaid balance at the rate of one and one-half percent (1.5%) per month or the highest rate permitted by law, whichever is less. Client shall pay reasonable attorney's fees and costs incurred by PCL in connection with collection of delinquent amounts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by authorized client and by authorized representative of PCL. Any subsequent orders for additional services shall not be binding.

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 receiving services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relay upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the owners of any security, the issuing, amendment, continuation or extension of any loan from any financial institution or other creditor, or the certification to or conformity 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 subsequent 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 received on Saturdays or weekends or after business hours or prior to receipt of notification and acceptance. Standard holding times, storage conditions should be reviewed prior to any samples being received by PCL. Any of the above can be provided to the client if requested. Most analytes with holding times of 14 days or less require samples to 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 laboratory 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 to ensure to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

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

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0683

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	10-28-21	1059	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
OCT 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	10-28-21	1105
Received by	Richard Martinez GIL	10/28/21	1250
Relinquished by	Richard Martinez GIL	10/28/21	1630
Received by			
Relinquished by			
Received in lab by		OCT 28 2021	1630

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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. Price/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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0725

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	10/29/21	12:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 29 2020
LAL
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	10/29/21	1540
Received by	Richard Martinez PCL	10/29/21	1540
Relinquished by	Richard Martinez PCL	10/29/21	1730
Received by			
Relinquished by			
Received in lab by	OCT 29 2021		1730

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additional or supplemental terms which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, including or sampling services and to whom bids, quotations, assignments and representations. "Price Schedule" means Pat-Chem's current price schedule that may be amended or replaced from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

PCL offers any and all services and facilities as defined herein exclusively under the following General Terms and Conditions (the "Terms"). The Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. Any modifications to the Terms shall be valid and binding unless in writing and signed by an authorizing representative of the Client and PCL.

The Client's or order template submitted or a written claim of variance with PCL any such order constitutes Client's acceptance of the offer of PCL to do business with the Client under the Terms and conditions and Client's agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (LEAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or the QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/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 generally available to the public or is the prior consent of 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 interception of such data while such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and for whom it is prepared. PCL shall not be liable for any third party's reliance on any report, data or information. Client agrees not to use any report, data or information in any manner, including reproduction, publication or other dissemination.

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 obligation if awarded and unless arising as a result of Client's or any third party's, as a result of, 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. I injury, (including death) of persons 2. LOSS of damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, inter alia, claims and causes of actions of every kind and character arising out of or in connection with the negligence (the breach of contract by any unidentified person, whether acts of or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have. If PCL and the other indemnified persons, to the extent applicable under applicable law. Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption (litigation expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement except 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 the applicable Price Schedule as modified from time to time by PCL upon written notice to client. Unless otherwise specified, all invoices are due and payable upon receipt. Payment is subject to credit approval by PCL. Client shall pay all charges for PCL's services within thirty (30) days of the date of invoice. In the event client disputes any portion of any invoice, client shall pay the undisputed portion of the invoice within such time and shall notify PCL in writing of the disputed portion within ten (10) days of receipt of the invoice. Client shall be responsible for all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with any delinquent account. Client shall pay interest on all delinquent amounts at the rate of 1.5% per month (or the maximum rate permitted by law, if less) from the date payment is due until paid in full. PCL may require payment in advance of the performance of services. PCL may withhold any reports or results from client if client is delinquent in payment of any amounts due to PCL. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with any delinquent account.

13. Agreement Modification

No change, modification or amendment to this Agreement shall be effective unless executed in writing by an officer of PCL and the client. PCL shall not be bound by any client purchase orders or acknowledgments or similar documents.

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's consulting services hereunder for no case actions, 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 relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any private or other offering of the shares of any security, the issuance, amendment, renewal or extension of any loan from any financial institution or other lender or the participation by client in connection with directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because samples that are delivered or weekends or after 2pm on weekdays, unless prior modification and acceptance. Unless specified by client, storage conditions (ambient or refrigerated) for PCL to maintain holding times of 15 days or less. Samples requiring analysis within 96 hours to all be 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 to enable 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: 26-Oct-21 16:23
Subject: (MCC) Weekly EFF

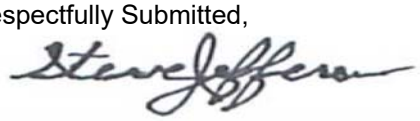
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0443-01) Collected: 20-Oct-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ12144	1	21-Oct-21	22-Oct-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AJ12550	0.10	25-Oct-21	25-Oct-21	**0.31 mg/l**	
Nitrate as N	EPA 353.2	AJ12132	0.05	21-Oct-21	21-Oct-21	**0.26 mg/l**	
Nitrite as N	EPA 353.2	AJ12132	0.05	21-Oct-21	21-Oct-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ12129	0.10	21-Oct-21	22-Oct-21	**1.39 mg/l**	
EFF - Composite (Sample I.D.# : 21J0443-02) Collected: 19-Oct-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ12133	2	21-Oct-21	26-Oct-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 10/26/2021
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.#: 21J0443

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	**(MCC)** Weekly **EFF**
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	10/20/21	~~11:55~~ ~~11:35~~ MA	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	
	10/19/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
OCT 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Maric Aguirre (IPC)	10/20/21	12:03
Received by		Jonathan V (PCL)	10/20	12:23
Relinquished by		Jonathan V. (PCL)	10/20	13:20
Received by				
Relinquished by				
Received in lab by		OCT 20 2021		1320

Sample Received Checklist

Temperature upon receipt: 40

# of bottles agrees with COC?	Yes	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-Nov-21 14:13
Subject: (MCC) Weekly INF

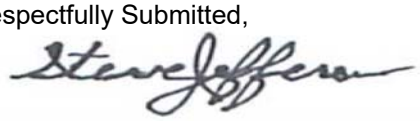
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21J0643-01) Collected: 26-Oct-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ12938	1	29-Oct-21	30-Oct-21	**200 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ12829	2	28-Oct-21	02-Nov-21	**465 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/19/2021
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.#: 21J0643

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/26/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
OCT 27 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	10/27/21	11:58
Received by	MARIO SANTIESTEBAN (PCL)	10/27/21	1400
Relinquished by	MARIO SANTIESTEBAN (PCL)	10/27/21	1555
Received by			
Relinquished by			
Received in lab by	OCT 27 2021		1555

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
(Comp)

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

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

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

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

Pat-Chem Laboratories (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 includes heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

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

3. Orders and Acceptance

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

The client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or 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 (CalEPA), 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 hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party 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. 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 of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of 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 interruptions. 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, agents or employing PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by Client, client will provide and PCL will receive samples or materials for 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 operation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by at any applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by 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 in any manner in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any private or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 0-7 days, samples must arrive at the lab within 24 hours before we can know to inquire that the holding times can be met. Short Holding Times of 48 hours or less (acetone 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 an event has been completed. Sample storage for longer periods is by request only, pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 19-Nov-21 13:59
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21J0644-01) Collected: 27-Oct-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AJ12843	1	28-Oct-21	29-Oct-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK10146	0.10	01-Nov-21	01-Nov-21	**0.38 mg/l**	
Nitrate as N	EPA 353.2	AJ12836	0.05	28-Oct-21	29-Oct-21	**1.31 mg/l**	
Nitrite as N	EPA 353.2	AJ12836	0.05	28-Oct-21	29-Oct-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AJ12927	0.10	29-Oct-21	30-Oct-21	**0.49 mg/l**	
EFF (Sample I.D.# : 21J0644-02) Collected: 26-Oct-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AJ12829	2	28-Oct-21	02-Nov-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 11/19/2021
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.#: 21J0644

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/27/21	11:53	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	
"	10/26/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
OCT 27 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mario Aguirre (IPC)	10/27/21	11:58
Received by		MARIO SANTIESTEBAN (PCL)	10/27/21	14 00
Relinquished by		MARIO SANTIESTEBAN (PCL)	10/27/21	1555
Received by				
Relinquished by				
Received in lab by			OCT 27 2021	1555

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any addenda or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, 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.

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3. Orders and Acceptance

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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 laboratory practice in the profession. Where applicable, PCL will use analytical methodology as will be 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 method stages if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Decisions, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and any 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 the conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

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

7. Overriding Agreement

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

8. Force Majeure

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

9. Confidentiality

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

10. Hold Harmless

Client agrees 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 expenses of every kind and nature, including but not limited to all court fees and litigation costs and expenses arising or based on any third party as a result of, and/or in any way relating, directly or indirectly, in connection with the performance of services by PCL pursuant to this agreement and/or the consultation for filing or disposal of Client's hazardous materials, injury, disease or death of persons or animals, damage to, loss of, or loss of use of property and/or any consequential loss of every kind of character. This indemnity does not apply to any of the foregoing claims, costs, demands or liability caused solely by the gross negligence or willful misconduct of PCL or its employees. To that end, this indemnity shall specifically apply to claims, liability and expenses of every kind and character, arising out of and in connection with the negligence of any kind of PCL and by any subcontractor thereof, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities are given in addition to any liability which the client may otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be satisfied by available client insurance coverage to be furnished to PCL, which insurance shall provide the maximum amount as 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) litigation expenses or other fees (including, without limitation, attorneys' fees, court costs, filing fee or post judgment interest), or any other expenses or costs incurred by client or any other party or any litigation against or involving PCL unless indemnified pursuant or connection with this agreement, or as expressly provided within this agreement. 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 in order for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, delineated or identified as such under federal, state or local laws, rules, PCL policies or regulations (collectively "Hazardous Materials"). Client will dispose of all unused portions of samples as specified by law or by PCL's QA/QC policies. In the event the client does not specify, PCL shall use standard 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 operations on the date the services were rendered or with prices quoted and fixed confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due as soon as work analysis is completed is required for all new clients or until a history of payment and/or credit acceptance has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by or set by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid accounts are referred through legal proceedings or by an attorney, the client shall also reasonable costs and attorney's fees of twenty (20%) associated with such collection procedure or efforts.

13. Agreement Modification

These terms and conditions or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL does not have any liability, or intends to grant any cause of action to any person or PCL information, to reports (collectively PCL Client is retaining services hereunder for his own account, and not as agent or trustee, 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 any data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not transferred, or shall be used by client, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities or interests in client (including, without limitation, any initial or subsequent public or private offering of client's securities) or any debt incurred by client, whether by renewal, or extension of any loan from any financial institution or other lender to the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (<7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (bacteria) should 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. Prolonged or long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

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

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

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

Attention: Ric Vardel
Report Date: 19-Nov-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.# : 21J0751-01) Collected: 30-Oct-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ13026	1.8	30-Oct-21	01-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ13026	1.8	30-Oct-21	01-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10145	0.1	30-Oct-21	30-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10154	0.05	01-Nov-21	01-Nov-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21J0757-01) Collected: 31-Oct-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AJ13149	1.8	31-Oct-21	04-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AJ13149	1.8	31-Oct-21	04-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10145	0.1	31-Oct-21	31-Oct-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10154	0.05	01-Nov-21	01-Nov-21	**0.14 mg/l**	
EFF (Sample I.D.# : 21K0013-01) Collected: 01-Nov-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10149	1.8	01-Nov-21	05-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10149	1.8	01-Nov-21	05-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10346	0.1	01-Nov-21	01-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10268	0.05	02-Nov-21	02-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0061-01) Collected: 02-Nov-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10265	1.8	02-Nov-21	05-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10265	1.8	02-Nov-21	05-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10346	0.1	02-Nov-21	02-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10268	0.05	02-Nov-21	02-Nov-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/19/2021
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: 19-Nov-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.# : 21K0111-01) Collected: 03-Nov-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10347	1.8	03-Nov-21	05-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10347	1.8	03-Nov-21	05-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10841	0.1	03-Nov-21	03-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10444	0.05	04-Nov-21	04-Nov-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21K0160-01) Collected: 04-Nov-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10438	1.8	04-Nov-21	06-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10438	1.8	04-Nov-21	06-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10841	0.1	04-Nov-21	04-Nov-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10444	0.05	04-Nov-21	04-Nov-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21K0184-01) Collected: 05-Nov-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10538	1.8	05-Nov-21	07-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10538	1.8	05-Nov-21	07-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10841	0.1	05-Nov-21	05-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10846	0.05	08-Nov-21	08-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0194-01) Collected: 06-Nov-21 By Carlos A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10625	1.8	06-Nov-21	08-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10625	1.8	06-Nov-21	08-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10841	0.1	06-Nov-21	06-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10846	0.05	08-Nov-21	08-Nov-21	**0.07 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/19/2021
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: 19-Nov-21 13:07
Subject: (MCC) Daily EFF

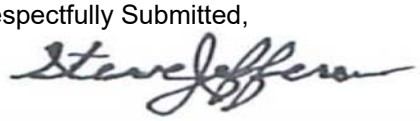
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0196-01) Collected: 07-Nov-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10742	1.8	07-Nov-21	09-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10742	1.8	07-Nov-21	09-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK10841	0.1	07-Nov-21	07-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10846	0.05	08-Nov-21	08-Nov-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21K0224-01) Collected: 08-Nov-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10843	1.8	08-Nov-21	12-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10843	1.8	08-Nov-21	12-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	08-Nov-21	08-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10945	0.05	09-Nov-21	09-Nov-21	**0.07 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/19/2021
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.#: 21J0751

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/30/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesse Avila	Jesse Avila (IPC)	10/30/21	10:55
Received by:	Richard Martinez Rm	10/30/21	1240
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez RL	10/30/21	1410

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21J0757

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	10-31-21	10/2	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0/19.6°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	10-31-21	11:30
Received by	Juan V. (PCL)	10/31/21	11:30
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	10/31/21	13:00

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or 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 below) 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. 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) 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 at the time rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or local 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/or its agents. PCL 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 know-how.

10. Hold Harmless

Client unleashes and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and agents harmless from and against any and all liabilities, losses, 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 sample collection, 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. Any tortious loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or 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 one may otherwise have to PCL and the other indemnified Persons. To the extent not expressly 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 bear 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 court 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 (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

Clients shall pay PCL in accordance with PCL's applicable price schedule in effect at the time the services are performed. In the event the services are not performed as scheduled, or if for any reason, time is of the essence, [illegible] and such delay results in increased costs to PCL, Client shall pay such increased costs. Unless otherwise provided in the [illegible] payment shall be made by Client to PCL within thirty (30) days of receipt of invoice. Client shall pay all taxes, duties and assessments imposed or levied in connection with the sale, delivery, rental or use of the services and materials furnished hereunder, and all taxes, duties and assessments paid or payable by PCL in respect of the foregoing (exclusive of taxes based on the net income of PCL). In the event any amount due to PCL is not received by PCL within thirty (30) days of the invoice date, Client shall pay interest on the unpaid balance at the rate of 1.5% per month (or the highest rate permitted by law, if less) from the date payment is due until the date paid. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any delinquent amount. PCL may withhold services, cancel any order, or delay shipment if Client fails to make payments when due or otherwise defaults under these Terms or any other agreement between Client and PCL. Client shall pay PCL a service charge for any check returned for insufficient funds, in addition to any bank charges incurred by PCL.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by Client. Client hereby waives any requirement that subsequent orders for additional services be 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 issuing 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 owners of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

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

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays, without prior notification and acceptance. Sample 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. PCL will not exceed 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 (measured in hours) must be delivered that same day to allow us 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0013

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
EFF	11/1/21	1120	1	pH, T Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.4/20.0 C
	11	11	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel Huey (IPC)	11/1/21	1125
Received by: Cindy Mathis	Cindy Mathis	11/1/21	12:00
Relinquished by: Cindy Mathis	Cindy Mathis	11/1/21	13:00
Received by			
Relinquished by			
Received in lab by: Al Medrano Jr.		NOV 01 2021	1300

Sample Received Checklist

Temperature upon receipt: 4° C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0061

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11-2-21	12:22	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
NOV 02 2020
LIL
By

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS	11-2-21	1230
Received by	Richard Martinez PIL	11/2/21	1530
Relinquished by	Richard M. PIL	11/2/21	1610
Received by			
Relinquished by			
Received in lab by	NOV 02 2021		1610

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21KO111

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	11/03/21	1200	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 03 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/03/21	1210
Received by		Armando Olmos (PCL)	11/3/21	12:30
Relinquished by		Armando Olmos (PCL)	11/3/21	14:35
Received by				
Relinquished by				
Received in Lab by		NOV 03 2021		1435

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0160

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH, Temperature) pH: Field / Lab
EFF	11/4/21	1215	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3/23.1 C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	11/4/21	13:10
Received by	Cindy Mena	11/4/21	13:10
Relinquished by	Cindy Mena	11.4.21	15:03
Received by			
Relinquished by			
Received in lab by		NOV 04 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	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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

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CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0184

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	11/05/21	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5/22.4°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/05/21	1130
Received by		Cindy MARRY	11/5/21	1130
Relinquished by		Cindy MARRY	11/5/21	1240
Received by				
Relinquished by				
Received in lab by		NOV 05 2021		1240

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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1824 1st Street
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CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0194

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	11/06/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jose Avalos	Jose Avalos (IPC)	11/06/21	10:55
Received by:	Richard Martinez PCL	11/6/21	1400
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez PCL	11/6/21	1600

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

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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CHAIN OF CUSTODY RECORD

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Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21K0196

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	11/7/21	944	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 16.4°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	E. MORRIS IPC	11/7/21	954
Received by	Juan Vasquez	11/7/21	10:11
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	11/7/21	12:04

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

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0224

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/8/21	1125	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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	Signature	Print Name (Company)	Date	Time
Relinquished by		Daniel (IPC)	11/8/21	1130
Received by		Jonathan (PC)	11/8/21	12:30
Relinquished by		Jonathan V. (PC)	11/8/21	13:30
Received by				
Relinquished by				
Received in lab by		NOV 08 2021		1330

Sample Received Checklist

Temperature upon receipt: 4.0

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Nov-21 14:22
Subject: (MCC) Weekly INF

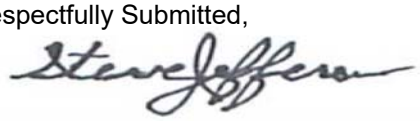
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21K0113-01) Collected: 02-Nov-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK10543	1	05-Nov-21	06-Nov-21	**260 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK10437	2	04-Nov-21	09-Nov-21	**534 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/19/2021
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.#: 21K0113

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/02/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/03/21	~~12:10~~
Received by		Armando Olmos (PCL)	11/3/21	12:30
Relinquished by		Armando Olmos (PCL)	11/3/21	14:35
Received by				
Relinquished by				
Received in lab by		NOV 03 2021		1435

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 19-Nov-21 13:27
Subject: (MCC) Monthly EFF

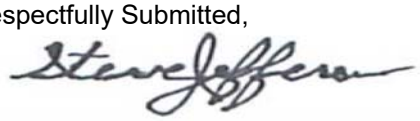
Project/P.O.#: (MCC) Monthly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0114-01) Collected: 03-Nov-21 By CA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AK10542	5	05-Nov-21	06-Nov-21	**904 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AK10431	20.0	04-Nov-21	08-Nov-21	**178 mg/l**	
Sulfate as SO4	EPA 300.0	AK10431	10.0	04-Nov-21	08-Nov-21	**223 mg/l**	
Boron	EPA 200.7	AK10529	0.10	05-Nov-21	10-Nov-21	**0.19 mg/l**	
Phosphorus, Total as P	EPA 365.3	AK10837	0.05	08-Nov-21	10-Nov-21	**0.17 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK10428	0.20	04-Nov-21	04-Nov-21	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AK11748	5	17-Nov-21	18-Nov-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 11/19/2021
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.#: 21K0114

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/03/21	1200	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	

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Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/03/21	1210
Received by		Armando Olmos (PW)	11/3/21	12:30
Relinquished by		Armando Olmos (PW)	11/3/21	14:35
Received by				
Relinquished by				
Received in lab by		NOV 03 2021		1435

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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(818) 639-5300 ph
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 19-Nov-21 14:03
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0112-01) Collected: 03-Nov-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK10543	1	05-Nov-21	06-Nov-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK10533	0.10	05-Nov-21	05-Nov-21	**0.22 mg/l**	
Nitrate as N	EPA 353.2	AK10530	0.05	05-Nov-21	05-Nov-21	**1.38 mg/l**	
Nitrite as N	EPA 353.2	AK10530	0.05	05-Nov-21	05-Nov-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK10528	0.10	05-Nov-21	06-Nov-21	**0.42 mg/l**	
EFF (Sample I.D.# : 21K0112-02) Collected: 02-Nov-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK10437	2	04-Nov-21	09-Nov-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 11/19/2021
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.#: 21K0112

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/03/21	1200	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	
"	11/02/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

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Geotracker EDC:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/03/21	1210
Received by		Armando Olmos (IPC)	11/3/21	12:30
Relinquished by		Armando Olmos (IPC)	11/3/21	14:35
Received by				
Relinquished by				
Received in lab by		NOV 03 2021		1435

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Dec-21 13:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Physical Properties							
Total Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**188 mg/l**	
Carbonate Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**188 mg/l**	
Hydroxide Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**<1 mg/l**	
Color	SM 2120 C	AK10838	5.0	08-Nov-21	08-Nov-21	**25.6 CU**	
Specific Conductance (EC)	SM 2510B	AK10949	0.1	09-Nov-21	09-Nov-21	**1410 uS/cm**	
Odor	SM 2150B	AK13062	1	05-Nov-21	05-Nov-21	**<1 T.O.N.**	
Inorganic Constituents							
Silver	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
Aluminum	EPA 200.8	AK10834	5.0	08-Nov-21	10-Nov-21	**45 ug/l**	
Fluoride	EPA 300.0	AK11133	0.10	11-Nov-21	15-Nov-21	**0.97 mg/l**	
Arsenic	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**0.5 ug/l**	
Barium	EPA 200.8	AK10834	0.5	08-Nov-21	10-Nov-21	**44 ug/l**	
Beryllium	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
Calcium	EPA 200.7	AK11032	0.10	10-Nov-21	12-Nov-21	**67.8 mg/l**	
Cadmium	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**2.6 ug/l**	
Copper	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**1.0 ug/l**	
Cyanide (total)	SM 4500-CN-E	AK10936	0.0040	09-Nov-21	09-Nov-21	**0.0050 mg/l**	
Iron	EPA 200.7	AK11032	0.02	10-Nov-21	11-Nov-21	**0.04 mg/l**	
Mercury	EPA 245.1	AK10935	0.20	09-Nov-21	10-Nov-21	**<0.20 ug/l**	
Magnesium	EPA 200.7	AK11032	0.10	10-Nov-21	12-Nov-21	**29.3 mg/l**	
Manganese	EPA 200.8	AK10834	0.5	08-Nov-21	10-Nov-21	**30 ug/l**	
Nickel	EPA 200.8	AK10834	0.5	08-Nov-21	10-Nov-21	**4.6 ug/l**	
Lead	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
pH	SM 4500H-B	AK10841	0.1	05-Nov-21	05-Nov-21	**7.3 pH Units**	

Respectfully Submitted,

Stephen Sakai 12/23/2021
Lab Director

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pat-chem.com

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

Attention: Ric Vardel
Report Date: 23-Dec-21 13:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Inorganic Constituents							
Antimony	EPA 200.8	AK10834	1.0	08-Nov-21	10-Nov-21	**1.2 ug/l**	
Selenium	EPA 200.8	AK10834	2.0	08-Nov-21	10-Nov-21	**<2.0 ug/l**	
Thallium	EPA 200.8	AK10834	1.0	08-Nov-21	10-Nov-21	**<1.0 ug/l**	
Uranium	EPA 200.8	AK10834	0.7	08-Nov-21	10-Nov-21	**0.9 pCi/L**	
Zinc	EPA 200.8	AK10834	1.0	08-Nov-21	10-Nov-21	**15 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK10842	0.20	06-Nov-21	08-Nov-21	**0.57 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Styrene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,2,2-Tetrachloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	

Respectfully Submitted,

Stephen Sakai 12/23/2021
Lab Director

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9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 23-Dec-21 13:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Volatile Organic Chemicals (VOCs)							
Tetrachloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Toluene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**1.0 ug/l**	
Bromoform	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Chloroform	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**9.1 ug/l**	
Dibromochloromethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AK10251		10-Nov-21	10-Nov-21	*98.3 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AK10251		10-Nov-21	10-Nov-21	*104 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AK10251		10-Nov-21	10-Nov-21	*96.5 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**1.73 ug/l**	
Dichloroacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**5.85 ug/l**	
Trichloroacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**2.45 ug/l**	
Monobromoacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**<1.00 ug/l**	
Dibromoacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**<1.00 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AK10250		16-Nov-21	17-Nov-21	*130 % (60-140)*	
Bromate	EPA 300.1	AK11543	100	15-Nov-21	16-Nov-21	**<100 ug/l**	
Chlorite	EPA 300.1	AK11543	400	15-Nov-21	16-Nov-21	**<400 ug/l**	

Respectfully Submitted,

Stephen Sakai 12/23/2021
Lab Director

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Customer: **Integrated Performance Consultants, Inc.**
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Attention: Ric Vardel
Report Date: 23-Dec-21 13:37
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Disinfection Byproducts							
Haloacetic Acids (HAA5)	[CALC]	[CALC]	1.00	10-Nov-21	17-Nov-21	**10.5 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	10-Nov-21	10-Nov-21	**10.2 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AK11544	0.010	15-Nov-21	17-Nov-21	**<0.010 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AK11544	0.020	15-Nov-21	17-Nov-21	**<0.020 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AK10940	2.0	09-Nov-21	11-Nov-21	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AK10940	2.0	09-Nov-21	11-Nov-21	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AK10940		09-Nov-21	11-Nov-21	*85.4 % (50-120)*	
Alachlor	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Atrazine	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Molinate	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Simazine	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AK11244		12-Nov-21	19-Nov-21	*63.4 % (40-120)*	
Chlordane	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Endrin	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Heptachlor	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Methoxychlor	EPA 508	AK10835	0.05	08-Nov-21	08-Dec-21	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1242 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	

Respectfully Submitted,

Stephen Sakai 12/23/2021
Lab Director

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Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1248 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Total PCBs	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Toxaphene	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AK10835		08-Nov-21	08-Dec-21	*62.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AK10835		08-Nov-21	08-Dec-21	*206 % (50-120)*	
Bentazon	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
2,4-D	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
Dalapon	EPA 515.1	AK11649	5.0	16-Nov-21	19-Nov-21	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AK11649	0.1	16-Nov-21	19-Nov-21	**<0.1 ug/l**	
Picloram	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AK11649	0.2	16-Nov-21	19-Nov-21	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AK11649		16-Nov-21	19-Nov-21	*88.1 % (60-140)*	
Benzo (a) pyrene	EPA 550	AK10941	0.05	09-Nov-21	11-Nov-21	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AK10941		09-Nov-21	11-Nov-21	*50.1 % (45-120)*	
Carbofuran	EPA 8321A	AK11243	1.0	12-Nov-21	23-Nov-21	**<1.0 ug/l**	
Oxamyl	EPA 8321A	AK11243	2.0	12-Nov-21	23-Nov-21	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 8321A	AK11243		12-Nov-21	23-Nov-21	*111 % (60-140)*	

Respectfully Submitted,

Stephen Sakai 12/23/2021
Lab Director

PAT-CHEM
LABORATORIES

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Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 12/23/2021
Lab Director

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

November 18, 2021 Ceres ID: 14812

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

The following report contains the results for the one waste water sample received on November 11, 2021. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

This work was authorized under Pat-Chem Laboratories' Project # 21K0185.

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
14812-001	21K0185-01	11/11/2021	11/5/2021	10:45

Section II: Data Summary

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

EPA Method 1613B

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 2521	**Date Extracted:** 11/12/2021
	Matrix: Waste Water	**Date Analyzed:** 11/15/2021
Project ID: 21K0185	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.24	0.772	5.00		13C-2378-TCDD	77.1	31-137	
					CRS			
					37Cl4-2378-TCDD	76.3	35-197	

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

Analyst: JMH **Reviewed by: BS**

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

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2521	**Date Extracted:** 11/12/2021
	Matrix: Waste Water	**Date Analyzed:** 11/15/2021
Project ID: 21K0185	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.72	7.3-14.6	13C-2378-TCDD	94.5	25-141
			CRS		
			37Cl4-2378-TCDD	106	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: 21K0185-01		
Project ID: 21K0185	**Ceres Sample ID:** 14812-001	**Date Received:** 11/11/2021
	QC Batch #: 2521	**Date Extracted:** 11/12/2021
Date Collected: 11/5/2021	**Matrix:** Waste Water	**Date Analyzed:** 11/16/2021
Time Collected: 10:45	**Sample Size:** 0.950 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.09	0.772	5.26		13C-2378-TCDD	63.9	31-137	
					CRS			
					37Cl4-2378-TCDD	98.7	42-164	

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

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

21K0185

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: 21K0185-01 DISTR **Water**	**Sampled: 05-Nov-21 10:45**			**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Sub)	22-Nov-21 12:00	12-Nov-21 10:45		
Containers Supplied:				

Released By	Date	Received By	Date
	NOV 09 2021		11/11/21 10:00
Released By	Date	Received By	Date

Sample Receipt Check List Logged by: _____ (initials)

Ceres ID: 14812	Date/Time: 11/11/21 10:00
Client Project ID: 21K0185	Received Temp: 5.6 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N)
Aqueous sample pH: 7	

List COC discrepancies:

11/11/21

List Damaged Samples:

11/11/21

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

December 21, 2021

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

Lab ID : SP 2115908
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

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

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
21K0185-01	11/05/2021	11/08/2021	SP 2115908-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

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

Radio QC

900.0	12/01/2021:218633 All analysis quality controls are within established criteria.
	11/10/2021:213094 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	12/06/2021:218907 All analysis quality controls are within established criteria.
	11/28/2021:213462 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	12/01/2021:218629 All analysis quality controls are within established criteria.
	11/29/2021:213786 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

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

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

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

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

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

December 21, 2021 Lab ID : SP 2115908
Pat-Chem Laboratories Customer : 2-12670

Radio QC

Ra - 05	11/28/2021:218693 All analysis quality controls are within established criteria.
	11/22/2021:213417 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Inorganic - Wet Chemistry QC

314.0	11/12/2021:217728 All analysis quality controls are within established criteria.
	11/11/2021:213251 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Perchlorate: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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

KD:MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2021-12-21

December 21, 2021

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

Description : 21K0185-01
Project : 21K0185

Lab ID : SP 2115908-001
Customer ID : 2-12670

Sampled On : November 5, 2021-10:45
Sampled By : Not Available
Received On : November 8, 2021-12:50
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	11/11/21:213251	314.0	11/12/21:217728

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

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December 21, 2021

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

Description : 21K0185-01
Project : 21K0185

Lab ID : SP 2115908-001
Customer ID : 2-12670

Sampled On : November 5, 2021-10:45
Sampled By : Not Available
Received On : November 8, 2021-12:50
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	4.31 ± 1.44	2.04	pCi/L	15/5	900.0	11/10/21-08:00 2P2113094	900.0	12/01/21-09:37 2A2118633
Gross Beta	4.09 ± 0.964	1.17	pCi/L	50	900.0	11/10/21-08:00 2P2113094	900.0	12/01/21-09:37 2A2118633
Total Alpha Radium (226)	0.284 ± 0.185	0.410	pCi/L		903.0	11/28/21-15:00 2P2113462	903.0	12/06/21-14:32 2A2118907
Tritium	330 ± 276	434	pCi/L	20000	906.0	11/29/21-10:30 2P2113786	906.0	12/01/21-08:55 2A2118629
Ra 228	0.000 ± 0.565	0.624	pCi/L		Ra - 05	11/22/21-16:30 2P2113417	Ra - 05	11/28/21-15:30 2A2118693

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

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

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

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

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December 21, 2021 Lab ID : SP 2115908
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	11/11/21:213251MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	91.8 %	85-115	
			MS	ug/L	25.00	129 %	80-120	435
		(CC 2183897-001)	MSD	ug/L	25.00	129 %	80-120	435
			MSRPD	ug/L	25.00	0.03%	≤15	
	314.0	11/12/21:217728MCA	CCB	ppb		0.00	4	
			CCV	ppb	20.00	97.4 %	85-115	
			CCB	ppb		0.00	4	
			CCV	ppb	10.00	111 %	85-115	

Definition

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

Explanation

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

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December 21, 2021 Lab ID : SP 2115908
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	12/01/21:218633JCA	CCV	cpm	7299	42.3 %	35-47	
			CCB	cpm		0.1200	0.15	
Beta	900.0	12/01/21:218633JCA	CCV	cpm	7299	94.4 %	83-94	
			CCB	cpm		0.460	0.5	
Gross Alpha	900.0	11/10/21:213094ejc	Blank	pCi/L		0.26	3	
			LCS	pCi/L	201.1	79.0 %	75-125	
			MS	pCi/L	268.1	47.8 %	60-140	435
		(SP 2110350-001)	MSD	pCi/L	268.1	41.4 %	60-140	435
			MSRPD	pCi/L	268.1	14.0%	≤30	
Gross Beta	900.0	11/10/21:213094ejc	Blank	pCi/L		1.36	4	
			LCS	pCi/L	35.10	110 %	84-160	
			MS	pCi/L	46.80	49.8 %	80-130	435
		(SP 2110350-001)	MSD	pCi/L	46.80	51.9 %	80-130	435
			MSRPD	pCi/L	268.1	3.6%	≤30	
Alpha	903.0	12/06/21:218907JCA	CCV	cpm	7623	40.3 %	37-46	
			CCB	cpm		0.0600	0.17	
Total Alpha Radium (226)	903.0	11/28/21:213462emv	RgBlk	pCi/L		0.06	2	
			LCS	pCi/L	24.38	62.6 %	52-107	
			BS	pCi/L	24.38	59.3 %	43-111	
			BSD	pCi/L	24.38	59.5 %	43-111	
			BSRPD	pCi/L	24.38	0.4%	≤35.5	
Tritium	906.0	11/29/21:213786jca	Blank	pCi/L		21	<300	
			LCS	pCi/L	1542	104 %	75-125	
			BS	pCi/L	1542	103 %	75-125	
			BSD	pCi/L	1542	104 %	75-125	
			BSRPD	pCi/L	1542	0.5%	≤25	
	906.0	12/01/21:218629JCA	CCV	pCi/L	22500	103 %	90-110	
			CCB	pCi/L		174	500	
Beta	Ra - 05	11/28/21:218693emv	CCV	cpm	7629	92.5 %	84-94	
			CCB	cpm		0.400	0.5	
Ra 228	Ra - 05	11/22/21:213417emv	RgBlk	pCi/L		-0.21	3	
			LRS	pCi/L	14.10	82.0 %	65-108	
			BS	pCi/L	14.10	86.5 %	75-125	
			BSD	pCi/L	14.10	93.8 %	75-125	
			BSRPD	pCi/L	14.10	1.0	≤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.
ND	: Non-detect - Result was below the DQO listed for the analyte.

December 21, 2021 Lab ID : SP 2115908
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

SUBCONTRACT ORDER

Pat-Chem Laboratories

21K0185

211 5908

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: 21K0185-01 WASTE Water	**Sampled: 05-Nov-21 10:45**			**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub)	22-Nov-21 12:00	07-Nov-21 10:45		
Sr-90 (Strontium 90) (Sub)	22-Nov-21 12:00	04-May-22 10:45		
Radium 226 228 (Sub)	22-Nov-21 12:00	04-May-22 10:45		
Perchlorate 314.0 (Sub)	22-Nov-21 12:00	03-Dec-21 10:45		
Gross beta SUB	22-Nov-21 12:00	04-May-22 10:45		
Gross alpha SUB	22-Nov-21 12:00	04-May-22 10:45		
Containers Supplied:				

NOV 0 8 2021

Released By — Date — Received By — Date

11/8/21 12:50 CDA

Released By 11/8/21 — Date — Received By 11/8/21 CDA 12:50 — Date

3.

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to Pace Analytical, LLC

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 2115908**
Purchase Order:

Sampler(s): Not Available

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 Quote #: 20200923JRH-1 250 ml(AGT)								
1	21K0185-01	11/05/2021	10:45	G	WW				1								

Remarks
ï¿½:Report Note:ï¿½Do not send to State!

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

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Santa Paula, CA 93060
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Condition Upon Receipt (Attach to COC) SP 2115908

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **3c** /_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? **Yes** **No** **N/A**
6. Verify sample date, time, sampler **Yes** **No** **N/A**
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** **No**
8. Were sample custody seals intact? **Yes** **No** **N/A**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **Yes** **No**
2. Did bottle labels correspond with the client's ID's? **Yes** **No**
3. Were all bottles requiring sample preservation properly preserved? **Yes** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Celina D. Arenas**

Digitally signed by Celina D. Arenas
Title: Sample Receiving
Date: 11/08/2021-16:45:04

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2115908
CDA-11/08/2021-16:45:04

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: 322120692
Customer ID: PTCM42
Customer PO:
Project ID:

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

Phone: (805) 532-0012
Fax:
Received: 11/09/2021
Analyzed: 11/21/2021

Proj: 21K0185

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)		
21K0185-01 322120692-0001	11/10/2021 11:50 AM	30	1288	0.2193	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.72

Collection Date/Time: *11/05/2021 10:45 AM*

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

Analyst(s)
Sherrie Ahmad (1)

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

Any questions please contact Jerry Drapala.

Initial report from: 11/21/2021 10:30:30

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	1K10035	**Report Date:**	12/03/2021
		Received Date:	11/10/2021
Project:	21K0185	**Turnaround Time:**	Normal
		Phones:	(818) 639-5300
		Fax:	(818) 639-5306
Attn:	Stephen Berentsen	**P.O. #:**	
Client:	Pat-Chem Laboratories, Inc. 1824 1st Street San Fernando, CA 91340	**Billing Code:**	

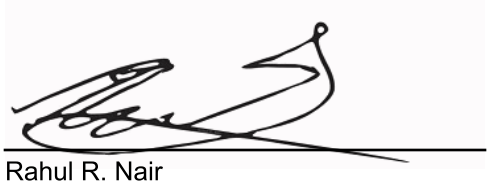
ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH #4047 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 11/10/21 with the Chain-of-Custody document. The samples were received in good condition, at 5.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

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

Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported:
12/03/2021 17:54

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
21K0185-01	Client	1K10035-01	Water	11/05/21 10:45	

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Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported:
12/03/2021 17:54

Sample Results

Sample: 21K0185-01
1K10035-01 (Water)

Sampled: 11/05/21 10:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W1K0935 **Preparation:** EPA 549.2/SPE		**Prepared:** 11/12/21 08:33				**Analyst:** PJS
Diquat	ND	20	ug/l	1	11/23/21	M-02
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W1K1011 **Preparation:** EPA 548.1/SPE		**Prepared:** 11/15/21 09:18				**Analyst:** rmr
Endothall	ND	45	ug/l	1	11/20/21	U-01
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W1K1072 **Preparation:** _NONE (LC)		**Prepared:** 11/15/21 15:36				**Analyst:** PJS
Glyphosate	ND	5.0	ug/l	1	11/16/21	

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Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported: 12/03/2021 17:54

Quality Control Results

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1K0935 - EPA 549.2										
Blank (W1K0935-BLK1)				**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	ND	4.0	ug/l							
LCS (W1K0935-BS1)				**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	17.9	4.0	ug/l	20.0		90	70-130			
Matrix Spike (W1K0935-MS1)	**Source: 1K10035-01**			**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	52.3	20	ug/l	100	ND	52	46-122			M-02
Matrix Spike Dup (W1K0935-MSD1)	**Source: 1K10035-01**			**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	68.0	20	ug/l	100	ND	68	46-122	26	30	M-02

Quality Control Results

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1K1011 - EPA 548.1										
Blank (W1K1011-BLK1)				**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	ND	45	ug/l							
LCS (W1K1011-BS1)				**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	96.6	45	ug/l	100		97	31-117			
Matrix Spike (W1K1011-MS1)	**Source: 1K10035-01**			**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	5.35	45	ug/l	100	ND	5	0.1-109			
Matrix Spike Dup (W1K1011-MSD1)	**Source: 1K10035-01**			**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	4.95	45	ug/l	100	ND	5	0.1-109	200	30	R-03

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1K1072 - EPA 547										
Blank (W1K1072-BLK1)				**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	ND	5.0	ug/l							
LCS (W1K1072-BS1)				**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	20.1	5.0	ug/l	25.0		81	70-130			
Matrix Spike (W1K1072-MS1)	**Source: 1J15017-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	20.6	5.0	ug/l	25.0	ND	83	41-149			
Matrix Spike (W1K1072-MS2)	**Source: 1K04094-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	21.6	5.0	ug/l	25.0	ND	86	41-149			
Matrix Spike Dup (W1K1072-MSD1)	**Source: 1J15017-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	24.3	5.0	ug/l	25.0	ND	97	41-149	16	30	
Matrix Spike Dup (W1K1072-MSD2)	**Source: 1K04094-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	23.5	5.0	ug/l	25.0	ND	94	41-149	9	30	

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Pat-Chem Laboratories, Inc.
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San Fernando, CA 91340

Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported:
12/03/2021 17:54

Notes and Definitions

Item	Definition
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
U-01	The sample was received without the proper preservation.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0185

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/05/21	1045	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	7.4/22.8
			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	
			2	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G 40ml VOA VIAL AMBER	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L P AMBER	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
NOV 05 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/05/21	1130
Received by		Cindy Mapes	11-5-21	1130
Relinquished by		Cindy Mapes	11/5/21	1240
Received by				
Relinquished by				
Received in lab by			NOV 05 2021	1240

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0185

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH, Temperature) pH: Field Lab
EFF	11/05/21	1045	4	Radium-226 & 228 (Sub-Out) Gross Alpha, Gross Beta	Grab	AQ	1L P	4°C	
			1	Strontium-90 (Sub-Out)	Grab	AQ	1L P	4°C	
			1	Tritium (Sub-Out)	Grab	AQ	VOA VIAL	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	7.4/22.9
			1	Asbestos (Sub-Out)	Grab	AQ	1L G Amber	4°C	

RECEIVED
NOV 05 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	11/05/21	1130
Received by		Cindy Martinez	11/5/21	1130
Relinquished by		Cindy Martinez	11/5/21	1240
Received by				
Relinquished by				
Received in lab by			NOV 05 2021	

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

Phone (805) 532-0012
Fax (805) 532-0016

Environmental Sample

Sample I.D.#: 21K0185

Customer: IPC, Inc.		Project: MCC Quarterly 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	11/8/21	12:30	1	Asbestos	Grab	AQ	1L G	4° C	

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/8/21	12:30
Received by:	Jonathan V. (PCL)	11/8	12:30
Relinquished by:	Jonathan (PCL)	11/8	13:30
Received by:			
Relinquished by:			
Received in lab by:			

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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QUALITY ANALYTICAL SERVICES SINCE 1987
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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

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

Attention: Ric Vardel
Report Date: 17-Jan-22 22:34
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Physical Properties							
Total Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**188 mg/l**	
Carbonate Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**<1 mg/l**	
Bicarbonate Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**188 mg/l**	
Hydroxide Alkalinity	SM 2320B	AK10839	1	08-Nov-21	08-Nov-21	**<1 mg/l**	
Color	SM 2120 C	AK10838	5.0	08-Nov-21	08-Nov-21	**25.6 CU**	
Specific Conductance (EC)	SM 2510B	AK10949	0.1	09-Nov-21	09-Nov-21	**1410 uS/cm**	
Odor	SM 2150B	AK13062	1	05-Nov-21	05-Nov-21	**<1 T.O.N.**	
Temperature	SM 2550	AK10841		05-Nov-21	05-Nov-21	**73 °F**	
Inorganic Constituents							
Silver	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
Aluminum	EPA 200.8	AK10834	5.0	08-Nov-21	10-Nov-21	**45 ug/l**	
Fluoride	EPA 300.0	AK11133	0.10	11-Nov-21	15-Nov-21	**0.97 mg/l**	
Arsenic	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**0.5 ug/l**	
Barium	EPA 200.8	AK10834	0.5	08-Nov-21	10-Nov-21	**44 ug/l**	
Beryllium	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
Calcium	EPA 200.7	AK11032	0.10	10-Nov-21	12-Nov-21	**67.8 mg/l**	
Cadmium	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	
Chromium - Total	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**2.6 ug/l**	
Copper	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**1.0 ug/l**	
Cyanide (total)	SM 4500-CN-E	AK10936	0.0040	09-Nov-21	09-Nov-21	**0.0050 mg/l**	
Iron	EPA 200.7	AK11032	0.02	10-Nov-21	11-Nov-21	**0.04 mg/l**	
Mercury	EPA 245.1	AK10935	0.20	09-Nov-21	10-Nov-21	**<0.20 ug/l**	
Magnesium	EPA 200.7	AK11032	0.10	10-Nov-21	12-Nov-21	**29.3 mg/l**	
Manganese	EPA 200.8	AK10834	0.5	08-Nov-21	10-Nov-21	**30 ug/l**	
Nickel	EPA 200.8	AK10834	0.5	08-Nov-21	10-Nov-21	**4.6 ug/l**	
Lead	EPA 200.8	AK10834	0.2	08-Nov-21	10-Nov-21	**<0.2 ug/l**	

Respectfully Submitted,

Stephen Sakai 1/17/2022
Lab Director

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

Attention: Ric Vardel
Report Date: 17-Jan-22 22:34
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Inorganic Constituents							
pH	SM 4500H-B	AK10841	0.1	05-Nov-21	05-Nov-21	**7.4 pH Units**	A-01
Antimony	EPA 200.8	AK10834	1.0	08-Nov-21	10-Nov-21	**1.2 ug/l**	
Selenium	EPA 200.8	AK10834	2.0	08-Nov-21	10-Nov-21	**<2.0 ug/l**	
Thallium	EPA 200.8	AK10834	1.0	08-Nov-21	10-Nov-21	**<1.0 ug/l**	
Uranium	EPA 200.8	AK10834	0.7	08-Nov-21	10-Nov-21	**0.9 pCi/L**	
Zinc	EPA 200.8	AK10834	1.0	08-Nov-21	10-Nov-21	**15 ug/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AK10842	0.20	06-Nov-21	08-Nov-21	**0.57 mg/l**	
Volatile Organic Chemicals (VOCs)							
Benzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Carbon tetrachloride	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2-Dichlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,4-Dichlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1-Dichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2-Dichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1-Dichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
cis-1,2-Dichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
trans-1,2-Dichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Methylene chloride (Dichloromethane)	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2-Dichloropropane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
cis-1,3-Dichloropropene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
trans-1,3-Dichloropropene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Ethylbenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Methyl tert-butyl ether	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Chlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Styrene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	

Respectfully Submitted,

Stephen Sakai 1/17/2022
Lab Director

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QUALITY ANALYTICAL SERVICES SINCE 1987
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Jan-22 22:34
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Volatile Organic Chemicals (VOCs)							
1,1,2,2-Tetrachloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Tetrachloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Toluene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,2,4-Trichlorobenzene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,1-Trichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,2-Trichloroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Trichloroethylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Vinyl chloride	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
m,p-Xylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
o-Xylene	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Bromodichloromethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**1.0 ug/l**	
Bromoform	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Chloroform	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**9.1 ug/l**	
Dibromochloromethane	EPA 524.2	AK10251	0.5	10-Nov-21	10-Nov-21	**<0.5 ug/l**	
Surrogate: Bromofluorobenzene	EPA 524.2	AK10251		10-Nov-21	10-Nov-21	*98.3 % (80-120)*	
Surrogate: Dibromofluoromethane	EPA 524.2	AK10251		10-Nov-21	10-Nov-21	*104 % (80-120)*	
Surrogate: Toluene-d8	EPA 524.2	AK10251		10-Nov-21	10-Nov-21	*96.5 % (80-120)*	
Disinfection Byproducts							
Monochloroacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**1.73 ug/l**	
Dichloroacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**5.85 ug/l**	
Trichloroacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**2.45 ug/l**	
Monobromoacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**<1.00 ug/l**	
Dibromoacetic Acid	EPA 552.2	AK10250	1.00	16-Nov-21	17-Nov-21	**<1.00 ug/l**	
Surrogate: 2,3-Dibromopropionic Acid	EPA 552.2	AK10250		16-Nov-21	17-Nov-21	*130 % (60-140)*	
Bromate	EPA 300.1	AK11543	100	15-Nov-21	16-Nov-21	**<100 ug/l**	

Respectfully Submitted,



Stephen Sakai 1/17/2022
Lab Director

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

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

Attention: Ric Vardel
Report Date: 17-Jan-22 22:34
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Disinfection Byproducts							
Chlorite	EPA 300.1	AK11543	400	15-Nov-21	16-Nov-21	**<400 ug/l**	
Haloacetic Acids (HAA5)	[CALC]	[CALC]	1.00	10-Nov-21	17-Nov-21	**10.5 ug/l**	
Total Trihalomethanes	[CALC]	[CALC]	2.00	10-Nov-21	10-Nov-21	**10.2 ug/l**	
Synthetic Organic Chemicals (SOCs)							
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AK11544	0.010	15-Nov-21	17-Nov-21	**<0.010 ug/l**	
Ethylene Dibromide (EDB)	EPA 504.1	AK11544	0.020	15-Nov-21	17-Nov-21	**<0.020 ug/l**	
Di(2-ethylhexyl)adipate	EPA 506	AK10940	2.0	09-Nov-21	11-Nov-21	**<2.0 ug/l**	
Di(2-ethylhexyl)phthalate	EPA 506	AK10940	2.0	09-Nov-21	11-Nov-21	**<2.0 ug/l**	
Surrogate: o-Terphenyl	EPA 506	AK10940		09-Nov-21	11-Nov-21	*85.4 % (50-120)*	
Alachlor	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Atrazine	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Molinate	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Simazine	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Thiobencarb (Bolero)	EPA 507	AK11244	0.2	12-Nov-21	19-Nov-21	**<0.2 ug/l**	
Surrogate: 1,3-Dimethyl-2-nitrobenzene	EPA 507	AK11244		12-Nov-21	19-Nov-21	*63.4 % (40-120)*	
Chlordane	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Endrin	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Heptachlor	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Heptachlor Epoxide	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Hexachlorobenzene	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Hexachlorocyclopentadiene	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
gamma-BHC (Lindane)	EPA 508	AK10835	0.01	08-Nov-21	08-Dec-21	**<0.01 ug/l**	
Methoxychlor	EPA 508	AK10835	0.05	08-Nov-21	08-Dec-21	**<0.05 ug/l**	
Aroclor 1016 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1221 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1232 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	

Respectfully Submitted,



Stephen Sakai 1/17/2022
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Attention: Ric Vardel
Report Date: 17-Jan-22 22:34
Subject: (MCC) Quarterly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0185-01) Collected: 05-Nov-21 By CA of IPC							
Synthetic Organic Chemicals (SOCs)							
Aroclor 1242 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1248 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1254 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Aroclor 1260 (PCB)	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Total PCBs	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Toxaphene	EPA 508	AK10835	0.1	08-Nov-21	08-Dec-21	**<0.1 ug/l**	
Surrogate: Tetrachloro-m-xylene	EPA 508	AK10835		08-Nov-21	08-Dec-21	*62.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	EPA 508	AK10835		08-Nov-21	08-Dec-21	*206 % (50-120)*	
Bentazon	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
2,4-D	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
Dalapon	EPA 515.1	AK11649	5.0	16-Nov-21	19-Nov-21	**<5.0 ug/l**	
Dinoseb	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
Pentachlorophenol (PCP)	EPA 515.1	AK11649	0.1	16-Nov-21	19-Nov-21	**<0.1 ug/l**	
Picloram	EPA 515.1	AK11649	1.0	16-Nov-21	19-Nov-21	**<1.0 ug/l**	
2,4,5-TP	EPA 515.1	AK11649	0.2	16-Nov-21	19-Nov-21	**<0.2 ug/l**	
Surrogate: 2,4-DCAA	EPA 515.1	AK11649		16-Nov-21	19-Nov-21	*88.1 % (60-140)*	
Benzo (a) pyrene	EPA 550	AK10941	0.05	09-Nov-21	11-Nov-21	**<0.05 ug/l**	
Surrogate: Decafluorobiphenyl	EPA 550	AK10941		09-Nov-21	11-Nov-21	*50.1 % (45-120)*	
Carbofuran	EPA 8321A	AK11243	1.0	12-Nov-21	23-Nov-21	**<1.0 ug/l**	
Oxamyl	EPA 8321A	AK11243	2.0	12-Nov-21	23-Nov-21	**<2.0 ug/l**	
Surrogate: Atrazine	EPA 8321A	AK11243		12-Nov-21	23-Nov-21	*111 % (60-140)*	

Respectfully Submitted,

Stephen Sakai 1/17/2022
Lab Director

PAT-CHEM
LABORATORIES

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Notes and Definitions

A-01 Langelier Index = -0.52 (Corrosive)

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

Respectfully Submitted,

Stephen Sakai 1/17/2022
Lab Director

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

November 18, 2021 Ceres ID: 14812

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

The following report contains the results for the one waste water sample received on November 11, 2021. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

This work was authorized under Pat-Chem Laboratories' Project # 21K0185.

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
14812-001	21K0185-01	11/11/2021	11/5/2021	10:45

Section II: Data Summary

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

EPA Method 1613B

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 2521	**Date Extracted:** 11/12/2021
	Matrix: Waste Water	**Date Analyzed:** 11/15/2021
Project ID: 21K0185	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.24	0.772	5.00		13C-2378-TCDD	77.1	31-137	
					CRS			
					37Cl4-2378-TCDD	76.3	35-197	

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

Analyst: JMH **Reviewed by: BS**

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

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 2521	**Date Extracted:** 11/12/2021
	Matrix: Waste Water	**Date Analyzed:** 11/15/2021
Project ID: 21K0185	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	9.72	7.3-14.6	13C-2378-TCDD	94.5	25-141
			CRS		
			37Cl4-2378-TCDD	106	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: 21K0185-01		
Project ID: 21K0185	**Ceres Sample ID:** 14812-001	**Date Received:** 11/11/2021
	QC Batch #: 2521	**Date Extracted:** 11/12/2021
Date Collected: 11/5/2021	**Matrix:** Waste Water	**Date Analyzed:** 11/16/2021
Time Collected: 10:45	**Sample Size:** 0.950 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.09	0.772	5.26		13C-2378-TCDD	63.9	31-137	
					CRS			
					37Cl4-2378-TCDD	98.7	42-164	

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

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

SUBCONTRACT ORDER

Pat-Chem Laboratories

21K0185

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: 21K0185-01 DISTR **Water**	**Sampled: 05-Nov-21 10:45**			**Wastewater/IPC [MCC] EFF-Quarterly**
Dioxin 2,3,7,8-TCDD 1613 (Sub)	22-Nov-21 12:00	12-Nov-21 10:45		
Containers Supplied:				

Released By	Date	Received By	Date
	NOV 09 2021		11/11/21 10:00
Released By	Date	Received By	Date

Sample Receipt Check List Logged by: _____ (initials)

Ceres ID: 14812	Date/Time: 11/11/21 10:00
Client Project ID: 21K0185	Received Temp: 5.6 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / (N) / NA
Residual Cl?	Y / (N)
Aqueous sample pH: 7	

List COC discrepancies:

11/11/21

List Damaged Samples:

11/11/21

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

December 21, 2021

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

Lab ID : SP 2115908
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

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

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
21K0185-01	11/05/2021	11/08/2021	SP 2115908-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

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

Radio QC

900.0	12/01/2021:218633 All analysis quality controls are within established criteria.
	11/10/2021:213094 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	12/06/2021:218907 All analysis quality controls are within established criteria.
	11/28/2021:213462 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).
906.0	12/01/2021:218629 All analysis quality controls are within established criteria.
	11/29/2021:213786 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

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

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

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

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

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

December 21, 2021 Lab ID : SP 2115908
Pat-Chem Laboratories Customer : 2-12670

Radio QC

Ra - 05	11/28/2021:218693 All analysis quality controls are within established criteria.
	11/22/2021:213417 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573).

Inorganic - Wet Chemistry QC

314.0	11/12/2021:217728 All analysis quality controls are within established criteria.
	11/11/2021:213251 All preparation quality controls are within established criteria (performed at FGL-SP ELAP# 1573), except: The following note applies to Perchlorate: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

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

KD:MKH

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2021-12-21

December 21, 2021

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

Description : 21K0185-01
Project : 21K0185

Lab ID : SP 2115908-001
Customer ID : 2-12670

Sampled On : November 5, 2021-10:45
Sampled By : Not Available
Received On : November 8, 2021-12:50
Matrix : Waste Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	11/11/21:213251	314.0	11/12/21:217728

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

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FAX: (559)734-8435
CA ELAP Certification No. 2810

December 21, 2021

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

Description : 21K0185-01
Project : 21K0185

Lab ID : SP 2115908-001
Customer ID : 2-12670

Sampled On : November 5, 2021-10:45
Sampled By : Not Available
Received On : November 8, 2021-12:50
Matrix : Waste Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	4.31 ± 1.44	2.04	pCi/L	15/5	900.0	11/10/21-08:00 2P2113094	900.0	12/01/21-09:37 2A2118633
Gross Beta	4.09 ± 0.964	1.17	pCi/L	50	900.0	11/10/21-08:00 2P2113094	900.0	12/01/21-09:37 2A2118633
Total Alpha Radium (226)	0.284 ± 0.185	0.410	pCi/L		903.0	11/28/21-15:00 2P2113462	903.0	12/06/21-14:32 2A2118907
Tritium	330 ± 276	434	pCi/L	20000	906.0	11/29/21-10:30 2P2113786	906.0	12/01/21-08:55 2A2118629
Ra 228	0.000 ± 0.565	0.624	pCi/L		Ra - 05	11/22/21-16:30 2P2113417	Ra - 05	11/28/21-15:30 2A2118693

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

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

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

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

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

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

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

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

December 21, 2021 Lab ID : SP 2115908
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	11/11/21:213251MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	91.8 %	85-115	
			MS	ug/L	25.00	129 %	80-120	435
		(CC 2183897-001)	MSD	ug/L	25.00	129 %	80-120	435
			MSRPD	ug/L	25.00	0.03%	≤15	
	314.0	11/12/21:217728MCA	CCB	ppb		0.00	4	
			CCV	ppb	20.00	97.4 %	85-115	
			CCB	ppb		0.00	4	
			CCV	ppb	10.00	111 %	85-115	

Definition

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

Explanation

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

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
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3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
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CA ELAP Certification No. 2810

December 21, 2021 Lab ID : SP 2115908
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	12/01/21:218633JCA	CCV	cpm	7299	42.3 %	35-47	
			CCB	cpm		0.1200	0.15	
Beta	900.0	12/01/21:218633JCA	CCV	cpm	7299	94.4 %	83-94	
			CCB	cpm		0.460	0.5	
Gross Alpha	900.0	11/10/21:213094ejc	Blank	pCi/L		0.26	3	
			LCS	pCi/L	201.1	79.0 %	75-125	
			MS	pCi/L	268.1	47.8 %	60-140	435
		(SP 2110350-001)	MSD	pCi/L	268.1	41.4 %	60-140	435
			MSRPD	pCi/L	268.1	14.0%	≤30	
Gross Beta	900.0	11/10/21:213094ejc	Blank	pCi/L		1.36	4	
			LCS	pCi/L	35.10	110 %	84-160	
			MS	pCi/L	46.80	49.8 %	80-130	435
		(SP 2110350-001)	MSD	pCi/L	46.80	51.9 %	80-130	435
			MSRPD	pCi/L	268.1	3.6%	≤30	
Alpha	903.0	12/06/21:218907JCA	CCV	cpm	7623	40.3 %	37-46	
			CCB	cpm		0.0600	0.17	
Total Alpha Radium (226)	903.0	11/28/21:213462emv	RgBlk	pCi/L		0.06	2	
			LCS	pCi/L	24.38	62.6 %	52-107	
			BS	pCi/L	24.38	59.3 %	43-111	
			BSD	pCi/L	24.38	59.5 %	43-111	
			BSRPD	pCi/L	24.38	0.4%	≤35.5	
Tritium	906.0	11/29/21:213786jca	Blank	pCi/L		21	<300	
			LCS	pCi/L	1542	104 %	75-125	
			BS	pCi/L	1542	103 %	75-125	
			BSD	pCi/L	1542	104 %	75-125	
			BSRPD	pCi/L	1542	0.5%	≤25	
	906.0	12/01/21:218629JCA	CCV	pCi/L	22500	103 %	90-110	
			CCB	pCi/L		174	500	
Beta	Ra - 05	11/28/21:218693emv	CCV	cpm	7629	92.5 %	84-94	
			CCB	cpm		0.400	0.5	
Ra 228	Ra - 05	11/22/21:213417emv	RgBlk	pCi/L		-0.21	3	
			LRS	pCi/L	14.10	82.0 %	65-108	
			BS	pCi/L	14.10	86.5 %	75-125	
			BSD	pCi/L	14.10	93.8 %	75-125	
			BSRPD	pCi/L	14.10	1.0	≤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.
ND	: Non-detect - Result was below the DQO listed for the analyte.

December 21, 2021 Lab ID : SP 2115908
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
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.

January 17, 2022

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

Subject: Subcontract Analysis for FGL Lab No. SP 2115908

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

- Sub Contracted-Strontium 90

Please note that this analysis was performed by Pace Analytical (ELAP Certified Laboratory)

Thank you for using FGL Environmental.

Sincerely,

Cindy Aguirre Digitally signed by Cindy Aguirre
Title: Customer Service Rep
Date: 2022-01-17

Enclosure

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

January 16, 2022

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

RE: Project: SP 2115908
Pace Project No.: 30456592

Dear Cindy Aguirre:

Enclosed are the analytical results for sample(s) received by the laboratory on December 09, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Karen L. Smetanka
karen.smetanka@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: loginsp@fglinc.com, FGL Environmental, Inc.

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

CERTIFICATIONS

Project: SP 2115908
Pace Project No.: 30456592

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

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Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: SP 2115908
Pace Project No.: 30456592

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30456592001	**21K0185-01**	Water	11/05/21 10:45	12/09/21 10:00

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SAMPLE ANALYTE COUNT

Project: SP 2115908
Pace Project No.: 30456592

Lab ID	Sample ID	Method	Analysts	Analytes Reported
30456592001	**21K0185-01**	EPA 905.0	JJY	1

PASI-PA = Pace Analytical Services - Greensburg

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Greensburg, PA 15601
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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: SP 2115908
Pace Project No.: 30456592

Sample: 21K0185-01 **Lab ID: 30456592001** Collected: 11/05/21 10:45 Received: 12/09/21 10:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
		Pace Analytical Services - Greensburg				
Strontium-90	EPA 905.0	**-0.0540 ± 0.390 (0.749) C:81% T:NA**	pCi/L	01/13/22 17:56	10098-97-2	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL - RADIOCHEMISTRY

Project: SP 2115908
Pace Project No.: 30456592

QC Batch: 477569
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: 30456592001

METHOD BLANK: 2307761 Matrix: Water
Associated Lab Samples: 30456592001

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Strontium-90	-0.114 ± 0.123 (0.356) C:85% T:NA	pCi/L	01/14/22 06:37	

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

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

QUALIFIERS

Project: SP 2115908
Pace Project No.: 30456592

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

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

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

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to Pace Analytical, LLC

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 2115908**
Purchase Order:

Sampler(s): Not Available

Compositor Setup Date: Time:

Test Description(s)

WO# : 30456592

30456592

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 Quote #: 20200923JRH-1 250 ml(AGT)
1	21K0185-01	11/05/2021	10:45	G	WW				1

WO# : 10589469

10589469

JSM 12/17/21

Remarks
ï¿½:Report Note:ï¿½Do not send to State!

Relinquished	Date	Time	Received By	Date	Time
[signature]	11/9/21	17:30	UPS	/	/
Relinquished	Date	Time	Received By:	Date	Time
[signature]	11-10-21	10:15	[signature] of pac	11/11/21	0840
Relinquished	Date	Time	Received By:	Date	Time
[signature]	11/30/21	1700			

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

Pace Analytical®	Document Name: Shipping Exception Form		Document Revised: 16Jul2018 Page 1 of 1
	Document No.: F-MN-C-310-Rev.00		Issuing Authority: Pace Minnesota Quality Office

Date 12/8/21 ~~12/7/21~~	Must Arrive By: 12/9/21 ~~12/8/21~~	Check one: AM / PM X	Shipping Method (check one): FedEx X / SpeeDee / UPS
Senders Initials: ***TJS***	**Shipping account if NOT Mpls #:**		***Dept. # 1003***

Ship Package To:

Company Name: **Pace PA**

Street Address: #30456592

Phone Number:

Fill out below only if samples weren't logged in as a sub.

Sample number	Container Type/Count	Location
10589469001		AMB1-128

Special Instructions:

Pace Analytical®	Document Name: Sample Condition Upon Receipt (SCUR) - MN	Document Revised: 14Apr2021 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0150 Rev.02	Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt

Client Name: Pace Pittsburgh

Project #:

WR **WO# : 30456592**

PM: PM: KLS Due Date: 01/03/22

CLI CLIENT: FGL

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 5344 4096 5215 See Exceptions ☐ ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? ☐ Yes ☒ No **Seals Intact?** ☐ Yes ☒ No **Biological Tissue Frozen?** ☐ Yes ☐ No ☒ N/A

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other: _____ **Temp Blank?** ☐ Yes ☒ No

Thermometer: ☐ T1(0461) ☒ T2(1336) ☐ T3(0459) ☐ OS418-LS ☐ T4(0254) ☐ T5(0489) ☐ 160285052 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Dry ☐ Melted

Did Samples Originate in West Virginia? ☐ Yes ☒ No **Were All Container Temps Taken?** ☐ Yes ☐ No ☒ N/A

Temp should be above freezing to 6°C **Cooler Temp Read w/temp blank:** _____ °C

Correction Factor: +0.2 **Cooler Temp Corrected w/temp blank:** _____ °C

Average Corrected Temp (no temp blank only): 0.4 °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☒ 1 Container

USDA Regulated Soil: (☒ N/A, water sample/Other: _____) **Date/Initials of Person Examining Contents:** CJS1 12/1/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present and Filled Out?	☒ Yes	☐ No		1.
Chain of Custody Relinquished?	☒ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☐ Yes	☒ No	☐ N/A	3.
Samples Arrived within Hold Time?	☒ Yes	☐ No		4.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E coli ☐ BOD/cBOD ☐ Hex Chrome ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other
Rush Turn Around Time Requested?	☐ Yes	☒ No		6.
Sufficient Volume?	☒ Yes	☐ No		7.
Correct Containers Used?	☐ Yes	☒ No		8.
-Pace Containers Used?	☐ Yes	☒ No		
Containers Intact?	☒ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC?	☒ Yes	☐ No		11. If no, write ID/ Date/Time on Container Below: See Exception ☐ ENV-FRM-MIN4-0142
Matrix: ☒ Water ☐ Soil ☐ Oil ☐ Other				
All containers needing acid/base preservation have been checked?	☒ Yes	☐ No	☐ N/A	12. Sample # 001
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☒ Yes	☐ No	☐ N/A	☐ NaOH ☒ HNO_3 ☐ H_2SO_4 ☐ Zinc Acetate 1/1
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS	☐ Yes	☐ No	☒ N/A	Positive for Res. Chlorine? ☐ Yes ☐ No pH Paper Lot# See Exception ☐ ENV-FRM-MIN4-0142
				Res. Chlorine: 0-6 Roll 230320 / 0-6 Strip / 0-14 Strip
Extra labels present on soil VOA or WIDRO containers?	☐ Yes	☐ No	☒ N/A	13. See Exception ☐ ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☐ No	☒ N/A	
Trip Blank Present?	☐ Yes	☐ No	☒ N/A	14.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☒ N/A	Pace Trip Blank Lot # (if purchased):

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ **Field Data Required?** ☐ Yes ☐ No

Comments/Resolution: _____

Project Manager Review: _____ **Date:** _____

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).

Labeled by: CJS1 (1)

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: Fruit Growers Laboratory Project #: _____

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

Label: 2A

Tracking #: 1Z 992 031 13 5957 1060

LIMS Login: VPInc

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#: 10D3801 Date and initials of person examining contents: 11-19-21 2A

Comments:	Yes	No	N/A	
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:		✓		2. no Container preservative type on COC
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used: -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. pH<2
All containers meet method preservation requirements.	✓			Initial when completed: 2A Date/time of preservation: Lot # of added preservative:
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:			✓	18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: 2A Date: 11-19-21 Survey Meter SN: 1563

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

WO#: 30456592

PM: KLS Due Date: 01/03/22

CLIENT: FGL

Pace Analytical®

Pace **WO#: 30456592** Count

PM: KLS Due Date: 01/03/22

CLIENT: FGL

Client Fruit Growers Laboratory

Site SP2115908

Profile Number 13358

Notes

Sample Line Item	Matrix	AG1H	AG1S	AG1T	AG2U	AG3S	AG3U	AG5U	AG5T	BG1U	BG2U	BP1N	BP1U	BP2S	BP2U	BP3C	BP3N	BP3S	BP3U	DG9S	GCUB	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	
1	WT											1																	
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Container Codes

Glass

IN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
35U	100mL amber glass unprserved	VG9U	40mL clear VOA vial
35T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosul
IN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
31S	1L amber glass H2SO4	JGFU	4oz amber wide jar
31H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
31T	1L amber glass Na Thiosulfate	BG2U	500mL clear glass unpreserved
31U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserve
33S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
33U	250mL amber glass unpreserved		

Plastic / Misc.

GCUB	1 Gallon Cubitainer
12GN	1/2 Gallon Cubitainer
SP5T	120mL Coliform Na Thiosulfate
BP1N	1L plastic HNO3
BP1U	1L plastic unpreserved
BP3S	250mL plastic H2SO4
BP3N	250mL plastic HNO3
BP3U	250mL plastic unpreserved
BP3C	250ml plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit for Volatile Solid
I	Wipe/Swab
ZPLC	Ziploc Bag

WT	Water
SL	Solid
OL	Non-aqueous liquid
WP	Wipe

Pittsburgh Lab Sample Condition Upon Receipt

Pace Analytical

Client Name: FGL Project # #30456592

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Label JSM
LIMS Login JSM

Tracking #: 5466 8833 0612

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Thermometer Used - Type of Ice: (Wet) Blue (None) JSM 12/27/21

Cooler Temperature Observed Temp - °C Correction Factor: - °C Final Temp: - °C

Temp should be above freezing to 6°C

Comments:	Yes	No	N/A	pH paper Lot# 10128311 / Date and Initials of person examining contents: JSM 12/27/21
Chain of Custody Present:	✓			1.
Chain of Custody Filled Out:	✓			2.
Chain of Custody Relinquished:	✓			3.
Sampler Name & Signature on COC:		✓		4.
Sample Labels match COC: -Includes date/time/ID Matrix: WT	✓			5.
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used:		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered			✓	12.
Hex Cr Aqueous sample field filtered			✓	13.
Organic Samples checked for dechlorination:			✓	14.
Filtered volume received for Dissolved tests			✓	15.
All containers have been checked for preservation. exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, Non-aqueous matrix	✓			16. pHc2
All containers meet method preservation requirements.	✓			Initial when completed JSM Date/time of preservation Lot # of added preservative
Headspace in VOA Vials (>6mm):			✓	17.
Trip Blank Present:			✓	18.
Trip Blank Custody Seals Present			✓	
Rad Samples Screened < 0.5 mrem/hr	✓			Initial when completed: JSM Date: 12/27 Survey Meter SN: 1563

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ Contacted By: _____

Comments/ Resolution: _____

☐ **A check in this box indicates that additional information has been stored in ereports.**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

*PM review is documented electronically in LIMS. When the Project Manager closes the SRF Review schedule in LIMS. The review is in the Status section of the Workorder Edit Screen.

SUBCONTRACT ORDER

Pat-Chem Laboratories

21K0185

211 5908

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: 21K0185-01 WASTE Water	**Sampled: 05-Nov-21 10:45**			**Wastewater/IPC [MCC] EFF-Quarterly**
Tritium (Sub)	22-Nov-21 12:00	07-Nov-21 10:45		
Sr-90 (Strontium 90) (Sub)	22-Nov-21 12:00	04-May-22 10:45		
Radium 226 228 (Sub)	22-Nov-21 12:00	04-May-22 10:45		
Perchlorate 314.0 (Sub)	22-Nov-21 12:00	03-Dec-21 10:45		
Gross beta SUB	22-Nov-21 12:00	04-May-22 10:45		
Gross alpha SUB	22-Nov-21 12:00	04-May-22 10:45		
Containers Supplied:				

NOV 0 8 2021

Released By — Date — Received By — Date

11/8/21 12:50 CDA

Released By 11/8/21 — Date — Received By 11/8/21 CDA 12:50 — Date

3.

ENVIRONMENTAL AGRICULTURAL
Analytical Chemists

Subcontract to Pace Analytical, LLC

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 2115908**
Purchase Order:

Sampler(s): Not Available

Compositor Setup Date: Time:

Samp Num	Location Description	Date Sampled	Time Sampled	Method of Sampling: Composite (C) Grab(G)	Type of Sample	Potable(P) Non-Potable(NP) Ag Waiver (AgW)	Bacti Type: Other(O) System(SYS) Source(SR) Waste(W)	Bacti Reason: Routine(ROUT) Repeat(RPT) Replace(RPL) Other(O) Special(SPL)	Sub Contracted-Strontium 90 Quote #: 20200923JRH-1 250 ml(AGT)								
1	21K0185-01	11/05/2021	10:45	G	WW				1								

Remarks
ï¿½:Report Note:ï¿½Do not send to State!

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

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

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

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

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

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

Condition Upon Receipt (Attach to COC) SP 2115908

Sample Receipt at SP:

1. Number of ice chests/packages received: **OTC**
2. Shipper tracking numbers _____
3. Were samples received in a chilled condition?
   Temps: **ROI** / **3c** /_____/_____/_____/_____/_____

4. Surface water (SWTR) bact samples: A sample that has a temperature upon receipt of >10C, whether iced or not, should be flagged unless the time since sample collection has been less than two hours.
5. Do the number of bottles received agree with the COC? **Yes** **No** **N/A**
6. Verify sample date, time, sampler **Yes** **No** **N/A**
7. Were the samples received intact? (i.e. no broken bottles, leaks, etc.) **Yes** **No**
8. Were sample custody seals intact? **Yes** **No** **N/A**

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? **Yes** **No**
2. Did bottle labels correspond with the client's ID's? **Yes** **No**
3. Were all bottles requiring sample preservation properly preserved? **Yes** **No** **N/A** **FGL**
   [Exception: Oil & Grease, VOA and CrVI verified in lab]
4. VOAs checked for Headspace? **Yes** **No** **N/A**
5. Were all analyses within holding times at time of receipt? **Yes** **No**
6. Have rush or project due dates been checked and accepted? **Yes** **No** **N/A**

Include a copy of the COC for lab delivery. (Bacti. Inorganics and Radio)

Sample Receipt, Login and Verification completed by: Reviewed and Approved By **Celina D. Arenas**

Digitally signed by Celina D. Arenas
Title: Sample Receiving
Date: 11/08/2021-16:45:04

Discrepency Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

2. Person Contacted: _____ Phone Number: _____
   Initiated By: _____ Date: _____
   Problem:

   Resolution:

(2012670)
Pat-Chem Laboratories
SP 2115908
CDA-11/08/2021-16:45:04

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: 322120692
Customer ID: PTCM42
Customer PO:
Project ID:

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

Phone: (805) 532-0012
Fax:
Received: 11/09/2021
Analyzed: 11/21/2021

Proj: 21K0185

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)		
21K0185-01 322120692-0001	11/10/2021 11:50 AM	30	1288	0.2193	≥ 0.5 µm	None Detected	ND	0.20	<0.20	0.00 - 0.72
					> 10 µm only	None Detected	ND	0.20	<0.20	0.00 - 0.72

Collection Date/Time: *11/05/2021 10:45 AM*

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

Analyst(s)
Sherrie Ahmad (1)

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

Any questions please contact Jerry Drapala.

Initial report from: 11/21/2021 10:30:30

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty is available on request. Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. No Fibers Detected: the value will be reported as less than 369% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson),5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted.

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders:	1K10035	**Report Date:**	12/03/2021
		Received Date:	11/10/2021
Project:	21K0185	**Turnaround Time:**	Normal
		Phones:	(818) 639-5300
		Fax:	(818) 639-5306
Attn:	Stephen Berentsen	**P.O. #:**	
Client:	Pat-Chem Laboratories, Inc. 1824 1st Street San Fernando, CA 91340	**Billing Code:**	

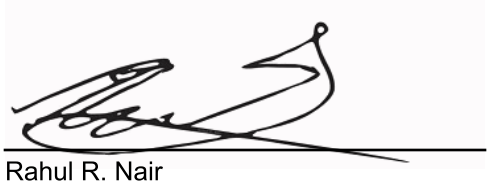
ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH #4047 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Stephen Berentsen,

Enclosed are the results of analyses for samples received 11/10/21 with the Chain-of-Custody document. The samples were received in good condition, at 5.2 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Reviewed by:



Rahul R. Nair
Project Manager

14859 Clark Avenue,City of Industry CA, 91745 | Phone: (626) 336-2139 | Fax: (626) 336-2634

www.wecklabs.com

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

Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported:
12/03/2021 17:54

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
21K0185-01	Client	1K10035-01	Water	11/05/21 10:45	

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

Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported:
12/03/2021 17:54

Sample Results

Sample: 21K0185-01
1K10035-01 (Water)

Sampled: 11/05/21 10:45 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Diquat and Paraquat by EPA 549.2						
Method: EPA 549.2		**Instr:** LC10				
Batch ID: W1K0935 **Preparation:** EPA 549.2/SPE		**Prepared:** 11/12/21 08:33				**Analyst:** PJS
Diquat	ND	20	ug/l	1	11/23/21	M-02
Endothall By EPA 548.1						
Method: EPA 548.1		**Instr:** GCMS06				
Batch ID: W1K1011 **Preparation:** EPA 548.1/SPE		**Prepared:** 11/15/21 09:18				**Analyst:** rmr
Endothall	ND	45	ug/l	1	11/20/21	U-01
Glyphosate by EPA 547						
Method: EPA 547		**Instr:** LC11				
Batch ID: W1K1072 **Preparation:** _NONE (LC)		**Prepared:** 11/15/21 15:36				**Analyst:** PJS
Glyphosate	ND	5.0	ug/l	1	11/16/21	

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

Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported: 12/03/2021 17:54

Quality Control Results

Diquat and Paraquat by EPA 549.2

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1K0935 - EPA 549.2										
Blank (W1K0935-BLK1)				**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	ND	4.0	ug/l							
LCS (W1K0935-BS1)				**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	17.9	4.0	ug/l	20.0		90	70-130			
Matrix Spike (W1K0935-MS1)	**Source: 1K10035-01**			**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	52.3	20	ug/l	100	ND	52	46-122			M-02
Matrix Spike Dup (W1K0935-MSD1)	**Source: 1K10035-01**			**Prepared: 11/12/21**	**Analyzed: 11/23/21**					
Diquat	68.0	20	ug/l	100	ND	68	46-122	26	30	M-02

Quality Control Results

Endothall By EPA 548.1

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1K1011 - EPA 548.1										
Blank (W1K1011-BLK1)				**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	ND	45	ug/l							
LCS (W1K1011-BS1)				**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	96.6	45	ug/l	100		97	31-117			
Matrix Spike (W1K1011-MS1)	**Source: 1K10035-01**			**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	5.35	45	ug/l	100	ND	5	0.1-109			
Matrix Spike Dup (W1K1011-MSD1)	**Source: 1K10035-01**			**Prepared: 11/15/21**	**Analyzed: 11/20/21**					
Endothall	4.95	45	ug/l	100	ND	5	0.1-109	200	30	R-03

Quality Control Results

Glyphosate by EPA 547

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W1K1072 - EPA 547										
Blank (W1K1072-BLK1)				**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	ND	5.0	ug/l							
LCS (W1K1072-BS1)				**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	20.1	5.0	ug/l	25.0		81	70-130			
Matrix Spike (W1K1072-MS1)	**Source: 1J15017-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	20.6	5.0	ug/l	25.0	ND	83	41-149			
Matrix Spike (W1K1072-MS2)	**Source: 1K04094-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	21.6	5.0	ug/l	25.0	ND	86	41-149			
Matrix Spike Dup (W1K1072-MSD1)	**Source: 1J15017-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	24.3	5.0	ug/l	25.0	ND	97	41-149	16	30	
Matrix Spike Dup (W1K1072-MSD2)	**Source: 1K04094-01**			**Prepared: 11/15/21**	**Analyzed: 11/16/21**					
Glyphosate	23.5	5.0	ug/l	25.0	ND	94	41-149	9	30	

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

Project Number: 21K0185

Project Manager: Stephen Berentsen

Reported:
12/03/2021 17:54

Notes and Definitions

Item	Definition
M-02	Due to the nature of matrix interferences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.
R-03	The RPD is not applicable for result below the reporting limit (either ND or J value).
U-01	The sample was received without the proper preservation.
%REC	Percent Recovery
Dil	Dilution
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

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www.wecklabs.com

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0185

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/05/21	1045	1	Ag, Al, As, Ba, Be, Ca, Cd, Cr, Cu, Fe, Mn, Hg, Ni, Sb, Se, Tl, U, Zn	Grab	AQ	1L P	HN	7.4/22.8
			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	
			2	547 Glyphosate **(Sub-Out)**	Grab	AQ	1L G 40ml VOA VIAL AMBER	4°C	
			1	548 Endothall **(Sub-Out)**	Grab	AQ	1L G	4°C	
			1	549 Diquat **(Sub-Out)**	Grab	AQ	1L P AMBER	4°C	
			1	Dioxin - 2,3,7,8 TCDD **(Sub-Out)**	Grab	AQ	1L G	4°C	

RECEIVED
NOV 05 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/05/21	1130
Received by		Cindy Mapes	11-5-21	1130
Relinquished by		Cindy Mapes	11/5/21	1240
Received by				
Relinquished by				
Received in lab by			NOV 05 2021	1240

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0185

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

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH, Temperature) pH: Field Lab
EFF	11/05/21	1045	4	Radium-226 & 228 (Sub-Out) Gross Alpha, Gross Beta	Grab	AQ	1L P	4°C	
			1	Strontium-90 (Sub-Out)	Grab	AQ	1L P	4°C	
			1	Tritium (Sub-Out)	Grab	AQ	VOA VIAL	4°C	
			1	Perchlorate (Sub-Out, leave headspace)	Grab	AQ	500 P	4°C	7.4/22.9
			1	Asbestos (Sub-Out)	Grab	AQ	1L G Amber	4°C	

RECEIVED
NOV 05 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	11/05/21	1130
Received by		Cindy Martinez	11/5/21	1130
Relinquished by		Cindy Martinez	11/5/21	1240
Received by				
Relinquished by				
Received in lab by			NOV 05 2021	

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

Phone (805) 532-0012
Fax (805) 532-0016

Environmental Sample

Sample I.D.#: 21K0185

Customer: IPC, Inc.		Project: MCC Quarterly 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	11/8/21	12:30	1	Asbestos	Grab	AQ	1L G	4° C	

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/8/21	12:30
Received by:	Jonathan V. (PCL)	11/8	12:30
Relinquished by:	Jonathan (PCL)	11/8	13:30
Received by:			
Relinquished by:			
Received in lab by:			

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Nov-21 13:22
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0246-01) Collected: 09-Nov-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK10944	1.8	09-Nov-21	12-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK10944	1.8	09-Nov-21	12-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	09-Nov-21	09-Nov-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK10945	0.05	09-Nov-21	09-Nov-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21K0291-01) Collected: 10-Nov-21 By M.A. of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11041	1.8	10-Nov-21	12-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11041	1.8	10-Nov-21	12-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	10-Nov-21	10-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11135	0.05	11-Nov-21	11-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0323-01) Collected: 11-Nov-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11137	1.8	11-Nov-21	15-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11137	1.8	11-Nov-21	15-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	11-Nov-21	11-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11135	0.05	11-Nov-21	11-Nov-21	**0.11 mg/l**	
EFF (Sample I.D.# : 21K0354-01) Collected: 12-Nov-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11241	1.8	12-Nov-21	15-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11241	1.8	12-Nov-21	15-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	12-Nov-21	12-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11541	0.05	15-Nov-21	15-Nov-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/19/2021
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: 19-Nov-21 13:22
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0371-01) Collected: 13-Nov-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11323	1.8	13-Nov-21	15-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11323	1.8	13-Nov-21	15-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	13-Nov-21	13-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11541	0.05	15-Nov-21	15-Nov-21	**0.05 mg/l**	
EFF (Sample I.D.# : 21K0377-01) Collected: 14-Nov-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11456	1.8	14-Nov-21	18-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11456	1.8	14-Nov-21	18-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11539	0.1	14-Nov-21	14-Nov-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11541	0.05	15-Nov-21	15-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0398-01) Collected: 15-Nov-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11545	1.8	15-Nov-21	18-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11545	1.8	15-Nov-21	18-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11934	0.1	15-Nov-21	15-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11541	0.05	15-Nov-21	15-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0437-01) Collected: 16-Nov-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11647	1.8	16-Nov-21	18-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11647	1.8	16-Nov-21	18-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11934	0.1	16-Nov-21	16-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11743	0.05	17-Nov-21	17-Nov-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/19/2021
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: 19-Nov-21 13:22
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 11/19/2021
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.#: 21K0246

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	11-9-21	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 09 2021
By Abdulla Jr.

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	11-9-21	1101
Received by		Jonathan V. (PCL)	11/9/21	12:00
Relinquished by		Jonathan V. (PCL)	11/9/21	13:50
Received by				
Relinquished by				
Received in lab by	Abdulla Jr.		NOV 09 2021	1350

Sample Received Checklist

Temperature upon receipt: 40C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0292

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/9/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
NOV 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	11/10/21	12:13
Received by	Jonathan V. (PCL)	11/10/21	12:13
Relinquished by	Jonathan V. (PCL)	11/10/21	13:30
Received by			
Relinquished by			
Received in lab by	NOV 10 2021		1330

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0323

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/11/21	1205	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	11/11/21	1205	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 11 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	11/11/21	1209
Received by	Jonathan V. (PCL)	11/11/21	1209
Relinquished by	Jonathan V. (PCL)	11/11/21	13:30
Received by			
Relinquished by			
Received in lab by		NOV 11 2021	13:30

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

Compliance Monitor
Initial Flow _____
Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0354

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/12/21	1145	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 12 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	11/12/21	1150
Received by	Jonathan V	11/12/21	1150
Relinquished by	Jonathan V	11/12	14:55
Received by			
Relinquished by			
Received in lab by	NOV 12 2021		1455

Sample Received Checklist

Temperature upon receipt: JV 4.0C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0371

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/13/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/13/21	10:55
Received by:	Richard Martinez (BIA)	11/13/21	1430
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez	11/13/21	1650

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0377

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/14/21	945	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 19.5
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	11/14/21	950
Received by		Juan Vasquez (PCL)	11/14/21	11:05
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Juan Vasquez (PCL)	11/14/21	1328

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

Preservations

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0398

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/15/21	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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NOV 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	11/15/21	1116
Received by:	Jonathan V. (PCL)	11/15/21	1207
Relinquished by:	Jonathan V. (PCL)	11/15/21	1350
Received by:			
Relinquished by:			
Received in lab by:		NOV 15 2021	1350

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0437

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11-16-21	1115	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									

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NOV 16 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	11-16-21	1120
Received by	Richard Martinez BC	11/16/21	1430
Relinquished by	Richard VC. BC	11/16/21	1630
Received by			
Relinquished by			
Received in lab by		NOV 16 2021	1630

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
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-Nov-21 14:25
Subject: (MCC) Weekly INF

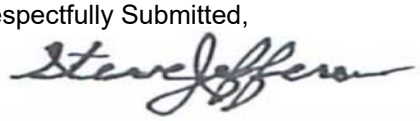
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21K0292-01) Collected: 09-Nov-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK11043	1	10-Nov-21	11-Nov-21	**229 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK11138	2	11-Nov-21	16-Nov-21	**340 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/19/2021
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.#: 21K0291

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Mani 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	11/10/21	12:08	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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NOV 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mani Aguirre (IPC)	11/10/21	12:13
Received by		Jonathan V. (PC)	11/10/21	12:13
Relinquished by		Jonathan V. (PC)	11/10/21	13:30
Received by				
Relinquished by				
Received in lab by		NOV 10 2021		1330

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 19-Nov-21 14:07
Subject: (MCC) Weekly EFF

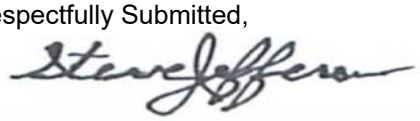
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0295-01) Collected: 10-Nov-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK11142	1	11-Nov-21	12-Nov-21	**1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK11239	0.10	12-Nov-21	12-Nov-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK11130	0.05	11-Nov-21	11-Nov-21	**1.07 mg/l**	
Nitrite as N	EPA 353.2	AK11130	0.05	11-Nov-21	11-Nov-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK11536	0.10	15-Nov-21	18-Nov-21	**1.32 mg/l**	
EFF (Sample I.D.# : 21K0295-02) Collected: 09-Nov-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK11138	2	11-Nov-21	16-Nov-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 11/19/2021
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.#: 21K0295

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/10/21	12:08	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
"	"	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
EFF	11/9/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

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NOV 10 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre	11/10/21	12:13
Received by	Jonathan V. (PCL)	11/10/21	12:13
Relinquished by	Jonathan V. (PCL)	11/10/21	13:30
Received by			
Relinquished by			
Received for Lab by		NOV 10 2021	1330

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 30-Nov-21 17:36
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0452-01) Collected: 17-Nov-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11741	1.8	17-Nov-21	19-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11741	1.8	17-Nov-21	19-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11934	0.1	17-Nov-21	17-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11743	0.05	17-Nov-21	17-Nov-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21K0477-01) Collected: 18-Nov-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11835	1.8	18-Nov-21	20-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11835	1.8	18-Nov-21	20-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK11934	0.1	18-Nov-21	18-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11940	0.05	19-Nov-21	19-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0507-01) Collected: 19-Nov-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK11935	1.8	19-Nov-21	21-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK11935	1.8	19-Nov-21	21-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	19-Nov-21	19-Nov-21	**8.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK11940	0.05	19-Nov-21	19-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0524-01) Collected: 20-Nov-21 By RM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AK12034	1.8	20-Nov-21	22-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12034	1.8	20-Nov-21	22-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	20-Nov-21	20-Nov-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12235	0.05	22-Nov-21	22-Nov-21	**<0.05 mg/l**	

Respectfully Submitted,

Steve Jefferson 11/30/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 30-Nov-21 17:36
Subject: (MCC) Daily EFF

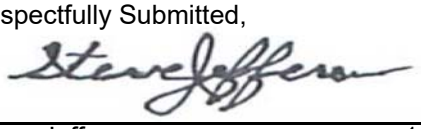
Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0528-01) Collected: 21-Nov-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12145	1.8	21-Nov-21	23-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12145	1.8	21-Nov-21	23-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	21-Nov-21	21-Nov-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12235	0.05	22-Nov-21	22-Nov-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21K0542-01) Collected: 22-Nov-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12231	1.8	22-Nov-21	24-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12231	1.8	22-Nov-21	24-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	22-Nov-21	22-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12235	0.05	22-Nov-21	22-Nov-21	**0.13 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0452

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/17/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/17/21	1140
Received by		Richard M. (PC)	11/17/21	1400
Relinquished by		Richard M. (PC)	11/17/21	1535
Received by				
Relinquished by				
Received for Lab by		NOV 17 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
Al - $AlCl_3$
Cu - $CuSO_4$

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0477

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/16	11:25	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	" "	" "	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 18 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (SPC)	11/18	11:30
Received by	Richard Martinez (RL)	11/18	1230
Relinquished by	Richard Martinez (RL)	11/18	1455
Received by			
Relinquished by			
Received in lab by	NOV 18 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
(Grab)
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0507

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/19	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	8.10/16.6
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 19 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (IPC)	11/19/21	11:05
Received by	MARIO SANTIESTEBAN (PCL)	11/19/21	1140
Relinquished by	MARIO SANTIESTEBAN (PCL)	11/19/21	1315
Received by			
Relinquished by			
Received in lab by	NOV 19 2021		1315

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0524

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	4/20/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	11/20/21	10:55
Received by: Richard Martinez	Richard Martinez (FA)	11/20/21	10:55
Relinquished by			
Received by			
Relinquished by			
Received in lab by: Richard Martinez	Richard Martinez (FA)	11/20/21	1620

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
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Environmental Sample

Sample I.D.#: 21K0528

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/21/21	930	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 25.2
			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:	ERIC MORRIS/IPC	11/21/21	945
Received by:	Juan V. (PCL)	11/21/21	10:40
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Juan Vasquez (PCL)	11/21/21	1323

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

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0542

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/22/21	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7-4 | 23-0
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPC1									
Global ID: WDR100000359									

RECEIVED
NOV 22 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel (IPC)	11/22/21	1125
Received by	Cindy Mathieu	11/22/21	1125
Relinquished by	Cindy Mathieu	11/22/21	1330
Received by			
Relinquished by			
Received in lab by		NOV 22 2021	1330

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 23-Nov-21 17:53
Subject: (MCC) Weekly EFF

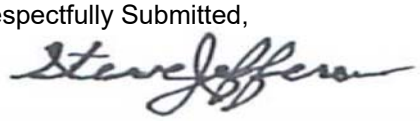
Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0463-01) Collected: 17-Nov-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK11838	1	18-Nov-21	19-Nov-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK12229	0.10	22-Nov-21	22-Nov-21	**0.11 mg/l**	
Nitrate as N	EPA 353.2	AK11834	0.05	18-Nov-21	18-Nov-21	**1.47 mg/l**	
Nitrite as N	EPA 353.2	AK11834	0.05	18-Nov-21	18-Nov-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK12032	0.10	20-Nov-21	22-Nov-21	**1.89 mg/l**	
EFF (Sample I.D.# : 21K0463-02) Collected: 16-Nov-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK11739	2	17-Nov-21	22-Nov-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 11/23/2021
Laboratory Director

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

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

Attention: Ric Vardel
Report Date: 23-Nov-21 17:58
Subject: (MCC) Weekly INF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21K0453-01) Collected: 17-Nov-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK11838	1	18-Nov-21	19-Nov-21	**170 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK11739	2	17-Nov-21	22-Nov-21	**563 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 11/23/2021
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.#: 21K0453

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/17	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
NOV 17 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/17/21	1140
Received by		Richard M. PCL	11/17/21	1400
Relinquished by		Richard M. PCL	11/17/21	1535
Received by				
Relinquished by				
Received in lab by			NOV 17 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
Al - $AlCl_3$
Cu - $CuSO_4$

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

Rev 2 Effective 5/1/17

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1824 1st Street
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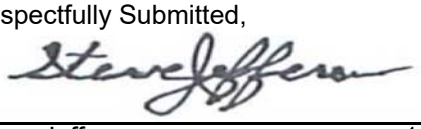
Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 30-Nov-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.# : 21K0562-01) Collected: 23-Nov-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12330	1.8	23-Nov-21	25-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12330	1.8	23-Nov-21	25-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	23-Nov-21	23-Nov-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12414	0.05	24-Nov-21	24-Nov-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21K0602-01) Collected: 24-Nov-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12510	1.8	24-Nov-21	27-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12510	1.8	24-Nov-21	27-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	24-Nov-21	24-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12414	0.05	24-Nov-21	24-Nov-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21K0620-01) Collected: 25-Nov-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12514	1.8	25-Nov-21	27-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12514	1.8	25-Nov-21	27-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	25-Nov-21	25-Nov-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12948	0.05	29-Nov-21	29-Nov-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21K0625-01) Collected: 26-Nov-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12631	1.8	26-Nov-21	28-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12631	1.8	26-Nov-21	28-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	26-Nov-21	26-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12948	0.05	29-Nov-21	29-Nov-21	**0.10 mg/l**	

Respectfully Submitted,



Steve Jefferson 11/30/2021
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 30-Nov-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.# : 21K0630-01) Collected: 27-Nov-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12738	1.8	27-Nov-21	29-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12738	1.8	27-Nov-21	29-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	27-Nov-21	27-Nov-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12948	0.05	29-Nov-21	29-Nov-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21K0632-01) Collected: 28-Nov-21 By JV of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AK12843	1.8	28-Nov-21	30-Nov-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12843	1.8	28-Nov-21	30-Nov-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AK12942	0.1	28-Nov-21	28-Nov-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK12948	0.05	29-Nov-21	29-Nov-21	**0.13 mg/l**	

Notes and Definitions

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

Respectfully Submitted,

Steve Jefferson 11/30/2021
Laboratory Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0562

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/23/21	1052	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2 | 17.6
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	11/23/21	1143
Received by		Cindy Mannor	11/23/21	13:10
Relinquished by		Cindy Mannor	11/23/21	1430
Received by				
Relinquished by				
Received in lab by			NOV 23 2021	1430

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0602

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/24/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 / 20.9
1	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 24 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/24/21	1150
Received by		Cindy Marks	11/24/21	1225
Relinquished by		Cindy Marks	11/24/21	1410
Received by				
Relinquished by				
Received in lab by			NOV 24 2021	1410

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
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Environmental Sample

Sample I.D.#: 21K0620

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/25/21	1000	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	Daniel (IPC)	11/25/21	1010
Received by	Richard M. PCL	11/25/21	1010
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Richard M. PCL	11/25/21	1320

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

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

Rev 2 Effective 5/1/17

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0625

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH, Temperature) pH: Field Lab
EFF	11/26	10:51	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.1 / 14.1
	"	"	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	LUKE WATSON (IPC)	11/26	10:51
Received by	Cindy (PCL)	11/26	1050
Relinquished by	Cindy (PCL)	11/26/21	11:45
Received by			
Relinquished by			
Received in lab by	MARIO SANTIESTEBAN (PCL)	11/24/21	11:45

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.

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0632

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	11/28/21	941	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0/23.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	11/28/21	9:42
Received by		Juan. PCL	11/28/21	9:42
Relinquished by		Juan. (PCL	11/28/21	10:30
Received by				
Relinquished by				
Received in lab by			NOV 28 2021	~~10:30~~ 9:42

Sample Received Checklist

Temperature upon receipt: 4.6 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

Rev 2 Effective 5/1/17

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

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

Attention: Ric Vardel
Report Date: 30-Nov-21 17:33
Subject: (MCC) Weekly INF

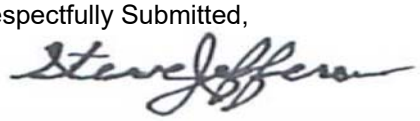
Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21K0603-01) Collected: 23-Nov-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK12415	1	24-Nov-21	25-Nov-21	**218 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK12413	2	24-Nov-21	29-Nov-21	**263 mg/l**	

Notes and Definitions

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

Respectfully Submitted,



Steve Jefferson 11/30/2021
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 1

Sample I.D.#: 21K0603

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/23/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.0/19.0
1	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

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NOV 24 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/24/21	1150
Received by		Cindy Mares	11/24/21	1225
Relinquished by		Cindy Mares	11/24/21	1410
Received by				
Relinquished by				
Received in lab by		NOV 24 2021		1410

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
C Grab
C Comp

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

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

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

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

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QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 09-Dec-21 09:35
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF - Grab (Sample I.D.# : 21K0604-01) Collected: 24-Nov-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AK12634	1	26-Nov-21	27-Nov-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AK12941	0.10	29-Nov-21	29-Nov-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AK12940	0.25	29-Nov-21	29-Nov-21	**1.42 mg/l**	
Nitrite as N	EPA 353.2	AK12940	0.05	29-Nov-21	29-Nov-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AK12936	0.50	29-Nov-21	30-Nov-21	**11.5 mg/l**	
EFF - Composite (Sample I.D.# : 21K0604-02) Collected: 23-Nov-21 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AK12413	2	24-Nov-21	29-Nov-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,



Stephen Sakai 12/9/2021
Lab Manager

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0604

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

Project : (MCC) Weekly EFF

Address: Irvine CA 92618

Sampled by: Ric Vardel / Golan Kfir

Report Attention: Carlos Alvarez

P.O. #: 949-382-9067

Phone #:

EFF Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH Field Lab
	11/24/21	1140	1	Ammonia, TKN	Grab	AQ	1-Liter-Plastic	500ml 4°C	
	1	1	1	Nitrate, Nitrite	Grab	AQ	Plastic	250ml 4°C	
	11/23/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	
									7.4/22.1-C

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NOV 24 2021
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Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/24/21	1150
Received by		Cindy Marin	11/24/21	1225
Relinquished by		Cindy Marin	11/24/21	1410
Received by				
Relinquished by				
Received in lab by			NOV 24 2021	1410

Sample Received Checklist

Temperature upon receipt: 4 °C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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(818) 639-5300 ph
(818) 639-5306 fx
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-21 09:45
Subject: (MCC) Daily EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21K0646-01) Collected: 29-Nov-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK12938	1.8	29-Nov-21	03-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK12938	1.8	29-Nov-21	03-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10651	0.1	29-Nov-21	29-Nov-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AK13056	0.05	30-Nov-21	30-Nov-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21K0672-01) Collected: 30-Nov-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AK13055	1.8	30-Nov-21	03-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AK13055	1.8	30-Nov-21	03-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10651	0.1	30-Nov-21	30-Nov-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10135	0.05	01-Dec-21	01-Dec-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21L0065-01) Collected: 02-Dec-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL10235	1.8	02-Dec-21	06-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10235	1.8	02-Dec-21	06-Dec-21	**2.0 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10651	0.1	02-Dec-21	02-Dec-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10344	0.05	03-Dec-21	03-Dec-21	**0.07 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/15/2021
Lab Manager

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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

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

Attention: Ric Vardel
Report Date: 15-Dec-21 09:45
Subject: (MCC) Daily EFF

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

Notes and Definitions

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

Respectfully Submitted,

Stephen Sakai 12/15/2021
Lab Manager

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0646

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/29	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	7.52/20.9°C
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
NOV 29 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (IPC)	11/29	11:10
Received by	MARIO SANTIESTEBAN (PCL)	11/29/21	1200
Relinquished by	MARIO SANTIESTEBAN (PCL)	11/29/21	1735
Received by			
Relinquished by			
Received in lab by	NOV 29 2021		1735

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

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

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

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21K0672

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	11/30/21	1055	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45/16.5°C
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
NOV 30 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		ERIC MORRIS	11/30/21	1320
Received by		MARIO SANTIESTEBAN PCL	11/30/21	1320
Relinquished by		MARIO SANTIESTEBAN (PCL)	11/30/21	1520
Received by				
Relinquished by				
Received in lab by		NOV 30 2021		1520

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

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

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

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21L0065

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-2-21	10:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 02 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (IPC)	12-2-21	11:35
Received by	Jonathan V. (PCL)	12.2.21	12:08
Relinquished by	Jonathan V. (PCL)	12/2	1330
Received by			
Relinquished by			
Received in Lab by	DEC 02 2021		1330

Sample Received Checklist

Temperature upon receipt: 4°C

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

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 10-Dec-21 11:08
Subject: (MCC) Monthly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0045-01) Collected: 01-Dec-21 By MA of IPC							
Physical Properties							
Total Dissolved Solids	SM 2540C	AL10231	5	02-Dec-21	03-Dec-21	**820 mg/l**	
Inorganic Constituents							
Chloride	EPA 300.0	AL10228	20.0	02-Dec-21	02-Dec-21	**170 mg/l**	
Sulfate as SO4	EPA 300.0	AL10228	10.0	02-Dec-21	02-Dec-21	**210 mg/l**	
Boron	EPA 200.7	AL10226	0.10	02-Dec-21	06-Dec-21	**0.10 mg/l**	
Phosphorus, Total as P	EPA 365.3	AL10747	0.05	07-Dec-21	09-Dec-21	**<0.05 mg/l**	
Aggregate Organic Constituents							
MBAS	SM 5540 C	AL10237	0.20	02-Dec-21	06-Dec-21	**<0.20 mg/l**	
Oil & Grease (HEM)	EPA 1664A	AL10647	5	06-Dec-21	07-Dec-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,



Stephen Sakai 12/10/2021
Lab Manager

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21L0045

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/01/21	11:53	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	

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DEC 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/1/21	12:05
Received by	Jonathan V.	12/1	12:10
Relinquished by	Jonathan V (PCL)	12/1	14:20
Received by			
Relinquished by			
Received in lab by		DEC 01 2021	1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

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

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

Attention: Ric Vardel
Report Date: 21-Dec-21 12:54
Subject: (MCC) Weekly EFF

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

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0039-01) Collected: 01-Dec-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL10238	1	02-Dec-21	03-Dec-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL10232	0.10	02-Dec-21	03-Dec-21	**0.13 mg/l**	
Nitrate as N	EPA 353.2	AL10339	0.05	02-Dec-21	02-Dec-21	**1.87 mg/l**	
Nitrite as N	EPA 353.2	AL10339	0.05	02-Dec-21	02-Dec-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL10831	0.10	08-Dec-21	13-Dec-21	**1.37 mg/l**	
EFF (Sample I.D.# : 21L0039-02) Collected: 30-Nov-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL10229	2	02-Dec-21	07-Dec-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,



Stephen Sakai 12/21/2021
Lab Director

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

CHAIN OF CUSTODY RECORD

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

Environmental Sample

Sample I.D.#: 21L0039

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

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/01/21	11:48		TSS	Grab	AQ	1-Liter-Plastic	4°C	
EFF	12/01/21	"	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
EFF	12/01/21		1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
EFF	11/30/21	0:00	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

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DEC 01 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre (IPC)	12/01/21	12:05
Received by	Jonathan V. (PCL)	12/1	12:10
Relinquished by	Jonathan V. (PCL)	12/1/21	14:20
Received by			
Relinquished by			
Received in lab by	DEC 01 2021		1420

Sample Received Checklist

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

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

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

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

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

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

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 09-Dec-21 15:30
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21L0038-01) Collected: 01-Dec-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL10238	1	02-Dec-21	03-Dec-21	**204 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL10229	2	02-Dec-21	07-Dec-21	**393 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/9/2021
Lab Manager

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0038

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Mario Aguirre	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/30/21	0:00	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
"	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

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By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Mario Aguirre	12/01/21	12:05
Received by	Jonathon V.	12/01/21	12:10
Relinquished by	Jonathon V. (Pat)	12/1/21	14:20
Received by			
Relinquished by			
Received in lab by		DEC 01 2021	1420

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: 17-Dec-21 15:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0088-01) Collected: 03-Dec-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL10336	1.8	03-Dec-21	05-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10336	1.8	03-Dec-21	05-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10651	0.1	03-Dec-21	06-Dec-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10344	0.05	03-Dec-21	03-Dec-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21L0105-01) Collected: 04-Dec-21 By RM of PCL							
Microbiological							
Fecal Coliforms	SM 9221E	AL10424	1.8	04-Dec-21	06-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10424	1.8	04-Dec-21	06-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10651	0.1	04-Dec-21	06-Dec-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10656	0.05	05-Dec-21	05-Dec-21	**0.07 mg/l**	
EFF (Sample I.D.# : 21L0106-01) Collected: 05-Dec-21 By eM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL10539	1.8	05-Dec-21	07-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10539	1.8	05-Dec-21	07-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10651	0.1	06-Dec-21	06-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10656	0.05	05-Dec-21	05-Dec-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21L0129-01) Collected: 06-Dec-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL10652	1.8	06-Dec-21	08-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10652	1.8	06-Dec-21	08-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10933	0.1	06-Dec-21	06-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10750	0.05	07-Dec-21	07-Dec-21	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/17/2021
Lab Director

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QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-21 15:09
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0171-01) Collected: 07-Dec-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL10753	1.8	07-Dec-21	10-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10753	1.8	07-Dec-21	10-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10933	0.1	07-Dec-21	07-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10834	0.05	08-Dec-21	08-Dec-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,

Stephen Sakai 12/17/2021
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2100088

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	12/3/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 03 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	12/3/21	1150
Received by	Jonathan V (PCL)	12/3	1150
Relinquished by	Jonathan V (PCL)	12/3	1310
Received by			
Relinquished by			
Received in lab by	DEC 03 2021		1310

Sample Received Checklist

Temperature upon receipt: yes

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 211015

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	12/04/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/04/21	10:55
Received by:	Richard M. (PCL)	12/04/21	1600
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard M. (PCL)	12/04/21	1730

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0106

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	12/5/21	1000	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0/19.6
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	12/5/21	1005
Received by	Juan. (PCL)	12/5/21	1005
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	12/5/21	11:31

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21LO129

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Daniel Huey
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/6/21	1010	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.45/20.3
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 06 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	12/6/21	1015
Received by:	MARIO SANTIESTEBAN (PCL)	12/2/21	1502
Relinquished by:	MARIO SANTIESTEBAN (PCL)	12/2/21	1710
Received by:			
Relinquished by:			
Received in lab by:		DEC 06 2021	1710

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 211071

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: ERIC MORRIS	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-7-21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 07 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	12-7-21	1140
Received by		Richard M. Air	12/7/21	1140
Relinquished by		Richard M. Air	12/7/21	1655
Received by				
Relinquished by				
Received in lab by		DEC 07 2021		1655

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Dec-21 20:37
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21L0226-01) Collected: 07-Dec-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL10932	1	09-Dec-21	09-Dec-21	**260 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL10929	2	09-Dec-21	14-Dec-21	**258 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/15/2021
Lab Manager

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0226

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive	Sampled by:	Carlos Alvarez
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/07/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/07/21	1200
Received by		Richard M. (IPC)	12/8/21	1220
Relinquished by		Richard M. (IPC)	12/8/21	1705
Received by				
Relinquished by				
Received in lab by		DEC 08 2021		1705

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Dec-21 11:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0225-01) Collected: 08-Dec-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL10839	1.8	08-Dec-21	10-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10839	1.8	08-Dec-21	10-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL10933	0.1	08-Dec-21	08-Dec-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10845	0.05	08-Dec-21	08-Dec-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21L0261-01) Collected: 09-Dec-21 By JW							
Microbiological							
Fecal Coliforms	SM 9221E	AL10935	1.8	09-Dec-21	11-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL10935	1.8	09-Dec-21	11-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11453	0.1	09-Dec-21	09-Dec-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL10939	0.05	09-Dec-21	10-Dec-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21L0277-01) Collected: 10-Dec-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11028	1.8	10-Dec-21	14-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11028	1.8	10-Dec-21	14-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11453	0.1	10-Dec-21	10-Dec-21	**8.1 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11033	0.05	10-Dec-21	10-Dec-21	**0.15 mg/l**	
EFF (Sample I.D.# : 21L0295-01) Collected: 11-Dec-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11131	1.8	11-Dec-21	13-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11131	1.8	11-Dec-21	13-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11453	0.1	11-Dec-21	11-Dec-21	**6.9 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11364	0.05	13-Dec-21	13-Dec-21	**<0.05 mg/l**	

Respectfully Submitted,

Stephen Sakai 12/20/2021
Lab Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Dec-21 11:52
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0296-01) Collected: 12-Dec-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11245	1.8	12-Dec-21	14-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11245	1.8	12-Dec-21	14-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11453	0.1	12-Dec-21	12-Dec-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11364	0.05	13-Dec-21	13-Dec-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,

Stephen Sakai 12/20/2021
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0225

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Carlos Alvarez
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/08/21	1210	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 08 2021
By Alexander Jr.

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/08/21	1220
Received by		Michael M. Pat	12/8/21	1220
Relinquished by		Michael M. Pat	12/8/21	1705
Received by				
Relinquished by				
Received in lab by		DEC 08 2021		1705

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0261

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** LUKE WATSON	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-9-21	11:15	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 09 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (IPC)	12-9-21	11:20
Received by	Richard Martinez PCL	12/9/21	1120
Relinquished by	Richard M. PCL	12/9/21	1630
Received by			
Relinquished by			
Received in lab by	DEC 09 2021		1630

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0277

Customer: IPC - Integrated Performance Consultants, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** LUKE WATSON	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-10-21	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	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 10 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (SPL)	12-10-21	11:04
Received by	MARIO SANTIESTEBAN (PCL)	12/10/21	1310
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/10/21	1450
Received by			
Relinquished by			
Received in lab by	DEC 10 2021		1450

Sample Received Checklist

Temperature upon receipt: 2.7 °C

# of bottles agrees with COC?	(Yes)	No
Samples intact?	(Yes)	No
Samples properly preserved?	(Yes)	No
Samples in holding time?	(Yes)	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
(Coli) - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 216295

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Jesus Avalos **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/4/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
〃	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/4/21	11:55
Received by:	Richard Martinez (PCL)	12/11/21	1155
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by:	Richard Martinez (PCL)	12/11/21	1520

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4
Matrix AQ - Water SO - Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0296

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive, Irvine CA 92618	**Sampled by:** ERIC MORRIS	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	12-12-21	9 00	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	T.O / 27.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 12 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	12-12-21	10:40
Received by	Juan V. (PCL)	12/12/21	10:40
Relinquished by	Juan V. (PCL)	12/12	1406
Received by			
Relinquished by			
Received in lab by	DEC 12 2021		1406

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(G) Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH
Bottle Type (P) - Plastic G - Amber Glass VOA - 40 ml Vial (Coli) - bacteria	(ST) - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 03-Jan-22 15:27
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0227-01) Collected: 08-Dec-21 By MA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL10932	1	09-Dec-21	09-Dec-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL11357	0.10	13-Dec-21	13-Dec-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL11242	0.50	09-Dec-21	09-Dec-21	**2.95 mg/l**	
Nitrite as N	EPA 353.2	AL11242	0.05	09-Dec-21	09-Dec-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AL13119	0.20	31-Dec-21	03-Jan-22	**0.92 mg/l**	
EFF (Sample I.D.# : 21L0227-02) Collected: 07-Dec-21 By MA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL10929	2	09-Dec-21	14-Dec-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,



Stephen Sakai 1/3/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0227

(MCC) Weekly EFF

Customer: IPC - Integrated Performance Consultants, Inc.		Project :	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067	
	Report Attention: Carlos Alvarez	Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF				TSS	Grab	AQ	1-Liter-Plastic	4°C	
	12/08/21	1210	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	1	1	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	12/07/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
DEC 08 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/08/21	1220
Received by		Richard M. PCL	12/8/21	1820
Relinquished by		Richard M PCL	12/8/21	1705
Received by				
Relinquished by				
Received in lab by			DEC 08 2021	1705

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
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-Jan-22 13:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0313-01) Collected: 13-Dec-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11358	1.8	13-Dec-21	15-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11358	1.8	13-Dec-21	15-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11453	0.1	13-Dec-21	13-Dec-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11364	0.05	13-Dec-21	13-Dec-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21L0373-01) Collected: 14-Dec-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11543	1.8	15-Dec-21	17-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11543	1.8	15-Dec-21	17-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11646	0.1	14-Dec-21	14-Dec-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11554	0.05	15-Dec-21	15-Dec-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21L0416-01) Collected: 15-Dec-21 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11543	1.8	15-Dec-21	17-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11543	1.8	15-Dec-21	17-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL11646	0.1	15-Dec-21	15-Dec-21	**7.3 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11553	0.05	15-Dec-21	15-Dec-21	**0.12 mg/l**	
EFF (Sample I.D.# : 21L0482-01) Collected: 16-Dec-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11637	1.8	16-Dec-21	18-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11637	1.8	16-Dec-21	18-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	16-Dec-21	16-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11652	0.05	16-Dec-21	16-Dec-21	**0.12 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/1/2022
Lab Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 01-Jan-22 13:37
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0556-01) Collected: 17-Dec-21 By LW of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11728	1.8	17-Dec-21	19-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11728	1.8	17-Dec-21	19-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	17-Dec-21	17-Dec-22	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL11734	0.05	17-Dec-21	17-Dec-21	**0.09 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/1/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2140313

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Daniel Huey	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field / Lab
EFF	12/13/21	1120	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.31/6.8
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 13 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Daniel Huey	Daniel (IPC)	12/13/21	1125
Received by:	Cindy Martinez	12/13/21	1135
Relinquished by:	Cindy Martinez	12/13/21	1330
Received by:			
Relinquished by:			
Received in lab by:	DEC 13 2021		1320

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120373

Customer: IPC - Integrated Performance Consultants, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: ERIC MORRIS	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/14/21	1140	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2/17.2
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 14 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	12/14/21	1145
Received by		Courier	12/14/21	2:20
Relinquished by		Cindy Martinez	12/14/21	15:40
Received by				
Relinquished by				
Received in lab by		DEC 14 2021		1540

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2L0416

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive	**Sampled by:** Carlos Olvera	**P.O. #:**	
Irvine CA 92618	**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/15/21	1155	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.3/7.8
			1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
1	1	1							
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 15 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Olvera (Cal)	12/15/21	3:45
Received by		Cindy Wang	12/15/21	3:45
Relinquished by		Cindy Wang	12/15/21	1535
Received by				
Relinquished by				
Received in lab by		DEC 15 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
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

"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.

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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.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2140482

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	12/16/21	10:40	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.36/15°C
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 16 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Jesus Avalos	Jesus Avalos (IPC)	12/16/21	11:15
Received by:	MARIO SANTESTEBAN (PCL)	12/16/21	1530
Relinquished by:	MARIO SANTESTEBAN (PCL)	12/16/21	1830
Received by:			
Relinquished by:			
Received in lab by:	DEC 16 2021		1870

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
(ST) Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and 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.

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Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0556

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Luke Watson
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-17-21	11:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	12-17-21	11:05	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 17 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Luke Watson (IPC)	12-17-21	11:15
Received by	Cindy Monroy	12-17-21	1455
Relinquished by	Cindy Monroy	12/17/21	2:55
Received by			
Relinquished by			
Received in lab by	DEC 17 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
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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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: 26-Dec-21 14:27
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21L0423-01) Collected: 14-Dec-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL11733	1	17-Dec-21	18-Dec-21	**94 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL11641	2	16-Dec-21	25-Dec-21	**172 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 12/26/2021
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0423

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Weekly INF
Address:	9297 Research Drive	**Sampled by:**	Carlos Alvarez
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/14/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	7.5/20.3
			1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ske)	12/15/21	3:15
Received by		Cindy Mercado	12/15/21	315
Relinquished by		Cindy Mercado	12/15/21	1535
Received by				
Relinquished by				
Received by			DEC 15 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 (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 caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the [illegible]. To the extent necessary under [illegible] as an 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.

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PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jan-22 12:52
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF - Grab (Sample I.D.# : 21L0415-01) Collected: 15-Dec-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL11733	1	17-Dec-21	18-Dec-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AL12144	0.10	21-Dec-21	22-Dec-21	**<0.10 mg/l**	
Nitrate as N	EPA 353.2	AL11735	0.50	16-Dec-21	16-Dec-21	**3.20 mg/l**	
Nitrite as N	EPA 353.2	AL11735	0.05	16-Dec-21	16-Dec-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA20347	0.20	03-Jan-22	06-Jan-22	**1.55 mg/l**	
EFF - Composite (Sample I.D.# : 21L0415-02) Collected: 14-Dec-21 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL11641	2	16-Dec-21	25-Dec-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,



Stephen Sakai 1/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0415

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive, Irvine, CA 92618	**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:** 949-382-9067	
	Report Attention: Carlos Alvarez	**Phone #:**	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature)
EFF		1155		TSS	Grab	AQ	1-Liter-Plastic	4°C	pH: Field 7.6/21.2 Lab
	12/15/21		1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	1	1	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	12/14/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
DEC 15 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CAC)	12/15/21	3:45
Received by		Cindy Murphy	12/15/21	3:45
Relinquished by		Cindy Murphy	12/15/21	1535
Received by				
Relinquished by				
Received in lab by		DEC 15 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.

Pat-Chem Laboratories (PCL) Terms and Conditions

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence 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 [illegible] To the extent necessary under [illegible] 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.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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.

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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-22 13:05
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0601-01) Collected: 18-Dec-21 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11824	1.8	18-Dec-21	20-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11824	1.8	18-Dec-21	20-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	18-Dec-21	18-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12043	0.05	20-Dec-21	20-Dec-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21L0612-01) Collected: 19-Dec-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL11954	1.8	19-Dec-21	21-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL11954	1.8	19-Dec-21	21-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	19-Dec-21	19-Dec-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12043	0.05	20-Dec-21	20-Dec-21	**0.13 mg/l**	
EFF (Sample I.D.# : 21L0651-01) Collected: 20-Dec-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12050	1.8	20-Dec-21	23-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12050	1.8	20-Dec-21	23-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	20-Dec-21	20-Dec-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12043	0.05	20-Dec-21	20-Dec-21	**0.09 mg/l**	
EFF (Sample I.D.# : 21L0757-01) Collected: 21-Dec-21 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12153	1.8	21-Dec-21	23-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12153	1.8	21-Dec-21	23-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	21-Dec-21	21-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12161	0.05	21-Dec-21	21-Dec-21	**0.19 mg/l**	

Respectfully Submitted,



Stephen Sakai 1/5/2022
Lab Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 05-Jan-22 13:05
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0808-01) Collected: 22-Dec-21 By C.A of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12223	1.8	22-Dec-21	24-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12223	1.8	22-Dec-21	24-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL12329	0.1	22-Dec-21	22-Dec-21	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12234	0.05	22-Dec-21	22-Dec-21	**0.18 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/5/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0601

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	12/18/21	10:50	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.53/15.2
"	"	"	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: Jesus Avalos	Jesus Avalos IPC	12/18/21	10:55
Received by:	MARIO SANTIESTEBAN (PCL)	12/19/21	1400
Relinquished by:			
Received by			
Relinquished by			
Received in lab by:	MARIO SANTIESTEBAN (PCL)	12/18/21	1525

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0612

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** ERIC MORRIS	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-19-21	916	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0 / 19.7°C
	↓	↓	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	12-19-21	925
Received by	Juan V. (PCL)	12/19/21	9:46
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Juan Vasquez (PCL)	12/19/21	11:28

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 210651

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Daniel Huey	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/20/21	1110	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.59/14.3℃
"	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 20 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	12/20	1115
Received by		Armando Olmos (PCL)	12/20/21	12:25
Relinquished by		Armando Olmos (PCL)	12/20/21	14:35
Received by				
Relinquished by				
Received in lab by		DEC 20 2021		1435

Sample Received Checklist

Temperature upon receipt: 4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
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 (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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2110757

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** ERIC MORRIS	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF			1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.55/16.0°C
	12/21/21	1110	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	12/21/21	1112
Received by	MARIO SANTESTEBAN PCL	12/21/21	1135
Relinquished by			
Received by			
Relinquished by			
Received in lab by	MARIO SANTESTEBAN	12/21/21	1305

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120808

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Carlos Alvarez
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/22/21	1135	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.59/20.0°C
	1	1	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 22 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/22/21	1145
Received by		Mario SAN ESTEBAN (PCL)	12/22/21	1145
Relinquished by				
Received by				
Relinquished by				
Received in lab by		DEC 22 2021		1330

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and 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

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and 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 caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by 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: 08-Jan-22 20:19
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0840-01) Collected: 22-Dec-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL12844	1	28-Dec-21	29-Dec-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA20355	0.10	03-Jan-22	04-Jan-22	**0.14 mg/l**	
Nitrate as N	EPA 353.2	AL12738	0.50	23-Dec-21	23-Dec-21	**2.81 mg/l**	
Nitrite as N	EPA 353.2	AL12738	0.05	23-Dec-21	23-Dec-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA20526	0.10	05-Jan-22	07-Jan-22	**0.59 mg/l**	
EFF (Sample I.D.# : 21L0840-02) Collected: 21-Dec-21 By CA of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL12226	2	22-Dec-21	28-Dec-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,



Stephen Sakai 1/8/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120840

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:** 949-382-9067	
	Report Attention: Carlos Alvarez	**Phone #:**	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/22/21	1135	1	TSS	Grab	AQ	1-Liter-Plastic	4°C	
	1	1	1	Ammonia, TKN	Grab	AQ	500ml Plastic	4°C	
	1	1	1	Nitrate, Nitrite	Grab	AQ	250ml Plastic	4°C	
	12/21/21	0000	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	

RECEIVED
DEC 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/22/21	1145
Received by		MARIO SANTIESTEBAN (PCL)	12/22/21	1145
Relinquished by				
Received by				
Relinquished by				
Received in lab by		DEC 23 2021		1330

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	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 (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.

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11. Hazardous Substances

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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.

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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: 05-Jan-22 10:18
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21L0839-01) Collected: 22-Dec-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL12844	1	28-Dec-21	29-Dec-21	**260 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL12226	2	22-Dec-21	28-Dec-21	**398 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/5/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120839

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project:**	(MCC) Weekly INF
Address:	9297 Research Drive	**Sampled by:**	Carlos Alvarez
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/21/21	0000	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	1	1	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 23 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/21/21	1145
Received by		MARIO SANTIESTEBAN (PCL)	12/22/21	1145
Relinquished by				
Received by				
Relinquished by				
Received in lab by		DEC 23 2021		1330

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
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 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.

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and 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.

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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

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence 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 [illegible] client might otherwise have in PCL and the [illegible] time. To the extent necessary under [illegible] that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption), Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (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: 07-Jan-22 17:06
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0857-01) Collected: 23-Dec-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12327	1.8	23-Dec-21	25-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12327	1.8	23-Dec-21	25-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	23-Dec-21	23-Dec-21	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12333	0.05	23-Dec-21	23-Dec-21	**0.14 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/7/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0857

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	12-23-21	1105	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 23 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	E. MORRIS IPC	12-23-21	1115
Received by	Jonathan V (PCL)	12/23	1200
Relinquished by	Jonathan V (PCL)	12/23	1400
Received by			
Relinquished by			
Received in lab by	DEC 23 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
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees that there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and 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 or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for 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 the applicable price schedule reflecting the rates of operations on the date the services were performed or such other rates as are later confirmed in writing. The price schedule is subject to change at any time. Additional testing requested after a sample analysis completed is initiated. For all new clients or under circumstances where credit has not been established with PCL, PCL requires cash with order or a satisfactory credit account. The terms for payment of charges are NET CASH within thirty (30) days from the date of invoices. To the fullest extent permitted by law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law, or one and one-half percent (1.5%) per month on the unpaid balance. In event action is taken to collect through legal counsel by or attorneys, the client shall pay reasonable costs and attorney's fees by against Pat-Chem Laboratories collection proceedings.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for most routine analyses 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 the samples being received by PCL. A list of holding times may 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: 06-Jan-22 14:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0872-01) Collected: 24-Dec-21 By Luke watson of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12411	1.8	24-Dec-21	26-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12411	1.8	24-Dec-21	26-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	24-Dec-21	24-Dec-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12750	0.05	24-Dec-21	24-Dec-21	**<0.05 mg/l**	
EFF (Sample I.D.# : 21L0878-01) Collected: 25-Dec-21 By Luke watson of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12503	1.8	25-Dec-21	27-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12503	1.8	25-Dec-21	27-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	25-Dec-21	25-Dec-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12750	0.05	26-Dec-21	26-Dec-21	**0.06 mg/l**	
EFF (Sample I.D.# : 21L0883-01) Collected: 26-Dec-21 By eM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12625	1.8	26-Dec-21	28-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12625	1.8	26-Dec-21	28-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	26-Dec-21	26-Dec-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12750	0.05	26-Dec-21	26-Dec-21	**0.10 mg/l**	
EFF (Sample I.D.# : 21L0917-01) Collected: 27-Dec-21 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12741	1.8	27-Dec-21	29-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12741	1.8	27-Dec-21	29-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	27-Dec-21	27-Dec-21	**7.2 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12750	0.05	27-Dec-21	27-Dec-21	**0.14 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/6/2022
Lab Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jan-22 14:44
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0951-01) Collected: 28-Dec-21 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12841	1.8	28-Dec-21	30-Dec-21	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12841	1.8	28-Dec-21	30-Dec-21	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	28-Dec-21	28-Dec-21	**7.5 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12918	0.05	28-Dec-21	28-Dec-21	**0.08 mg/l**	
EFF (Sample I.D.# : 21L0982-01) Collected: 29-Dec-21 By KV of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL12917	1.8	29-Dec-21	01-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL12917	1.8	29-Dec-21	01-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	29-Dec-21	29-Dec-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL12918	0.05	29-Dec-21	29-Dec-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,

Stephen Sakai 1/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2110872

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** LUKE WATSON	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12-24-21	11:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	LUKE WATSON (IPC)	12-24-21	11:15
Received by	Alex Walmsley	12/24/21	11:20
Relinquished by	Alex Walmsley	12/24/21	13:30
Received by			
Relinquished by			
Received in lab by	DEC 25 2021		1229

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L878

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Luis Ivarra	**P.O. #:**	
	Report Attention: Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-25-21	10:05	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	12-25-21	10:05	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	Luis Ivarra (IPC)	12-25-21	10:20
Received by	Alex Walker Jr	12/25/21	11:45
Relinquished by	Alex Walker Jr	12/25/21	14:00
Received by			
Relinquished by			
Received in lab by	Juan V. (PCL)	12/25/21	14:00

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? (Yes) No
Samples intact? (Yes) No
Samples properly preserved? (Yes) No
Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L0883

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** ERIC MORRIS	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: (Field) Lab
EFF	12/26/21	918	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: E. Morris	E. MORRIS IPC	12/26/21	918
Received by: Juan Vasquez	Juan Vasquez (PCL)	12/26/21	10:55
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Juan	Juan Vasquez (PCL)	12/26/21	1207

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	(Yes) No
Samples intact?	(Yes) No
Samples properly preserved?	(Yes) No
Samples in holding time?	(Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120917

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive	**Sampled by:**	Daniel Huey
	Irvine CA 92618	**Report Attention:**	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/27/21	1130	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.2/16.2
u	u	u	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

RECEIVED
DEC 27 2021
By

	Signature	Print Name (Company)	Date	Time
Relinquished by	Daniel Huey	Daniel (IPC)	12/27/21	1135
Received by		Cindy MARTINEZ	12/27/21	1140
Relinquished by		Cindy MARTINEZ	12-27-21	1253
Received by				
Relinquished by				
Received in lab by			DEC 27 2021	1253

Sample Received Checklist

Temperature upon receipt:	4°C
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (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 reserved 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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120951

Customer: IPC - Integrated Performance Consultants, Inc.
Address: 9297 Research Drive, Irvine CA 92618
Project : (MCC) Daily EFF
Sampled by: ERIC MORRIS
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/28/21	1138	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.5 | 17.3
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 28 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		E. MORRIS IPC	12/28/21	1141
Received by		Cindy MATTINEZ	12/28/21	11:41
Relinquished by		Cindy MATTINEZ	12-28-21	1310
Received by				
Relinquished by				
Received in lab by			DEC 28 2021	1310

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor
Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (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 caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity 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 (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (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
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2160982

Customer:	IPC - Integrated Performance Consultants, Inc.	**Project :**	(MCC) Daily EFF
Address:	9297 Research Drive Irvine CA 92618	**Sampled by:**	Kyle Vardel
		Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/29/21	1100	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	"	"	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
DEC 29 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	12/29/21	405
Received by	Juan V. (PCL)	12/29/21	12:00
Relinquished by	Juan V. (PCL)	12/29/21	1406
Received by			
Relinquished by			
Received in lab by	DEC 29 2021		1406

Sample Received Checklist

Temperature upon receipt: 4 °C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH **ST** - Sodium Thiosulfate
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Jan-22 11:43
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
INF (Sample I.D.# : 21L0988-01) Collected: 28-Dec-21 By KV of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL13028	1	30-Dec-21	31-Dec-21	**120 mg/l**	
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL13024	2	30-Dec-21	04-Jan-22	**342 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/6/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 210988

Customer:	IPC - Integrated Performance Consultants, Inc.	Project:	(MCC) Weekly INF
Address:	9297 Research Drive	Sampled by:	Kyle Vardel
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/28/21	2359	1	TSS	Comp	AQ	1-Liter Plastic	4°C	
	"	"	1	BOD	Comp	AQ	1-Liter Plastic	4°C	

RECEIVED
DEC 29 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	12/24/21	1105
Received by	Juan V. (PCL)	12/24/21	12:00
Relinquished by	Juan V. (PCL)	12/29/21	1406
Received by			
Relinquished by			
Received in lab by	DEC 29 2021		1406

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Jan-22 10:04
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L0990-01) Collected: 29-Dec-21 By CA of IPC							
Physical Properties							
Total Suspended Solids	SM2540D	AL13028	1	30-Dec-21	31-Dec-21	**<1 mg/l**	
Inorganic Constituents							
Ammonia as N	EPA 350.1	AA20629	0.10	06-Jan-22	07-Jan-22	**0.10 mg/l**	
Nitrate as N	EPA 353.2	AA20342	0.50	30-Dec-21	30-Dec-21	**2.96 mg/l**	
Nitrite as N	EPA 353.2	AA20342	0.05	30-Dec-21	30-Dec-21	**<0.05 mg/l**	
Total Kjeldahl Nitrogen	EPA 351.2	AA20823	0.10	08-Jan-22	09-Jan-22	**0.99 mg/l**	
EFF (Sample I.D.# : 21L0990-02) Collected: 28-Dec-21 By KV of IPC							
Aggregate Organic Constituents							
Biochemical Oxygen Demand	SM 5210B	AL13024	2	30-Dec-21	04-Jan-22	**2 mg/l**	

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,



Stephen Sakai 1/10/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 2120990

Customer: IPC - Integrated Performance Consultants, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

EFF Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
	12/28/21	1100	1	Ammonia, TKN	Grab	AQ	1-Liter-Plastic	500ml 4°C	
	11	400	1	Nitrate, Nitrite	Grab	AQ	Plastic	250ml 4°C	
	12/28/21	2359	1	BOD	Comp	AQ	1-Liter-Plastic	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

RECEIVED
DEC 29 2021
By

Signature	Print Name (Company)	Date	Time
Relinquished by	Kyle Vardel (IPC)	12/29/21	1105
Received by	Juan V. (PCL)	12/29/21	12:00
Relinquished by	Juan V. (PCL)	12/29/21	1406
Received by			
Relinquished by			
Received lab by		DEC 29 2021	1406

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 21L1013-01) Collected: 30-Dec-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AL13026	1.8	30-Dec-21	01-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AL13026	1.8	30-Dec-21	01-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AL13032	0.1	30-Dec-21	30-Dec-21	**7.0 pH Units**	
Residual Chlorine	SM 4500Cl-G	AL13030	0.05	30-Dec-21	30-Dec-21	**0.18 mg/l**	
EFF (Sample I.D.# : 21L1056-01) Collected: 31-Dec-21 By GK of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	31-Dec-21	02-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	31-Dec-21	02-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	31-Dec-21	31-Dec-21	**7.4 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	01-Jan-22	01-Jan-22	**0.06 mg/l**	
EFF (Sample I.D.# : 22A0004-01) Collected: 01-Jan-22 By JA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	01-Jan-22	03-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	01-Jan-22	03-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	01-Jan-22	01-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	02-Jan-22	02-Jan-22	**0.10 mg/l**	
EFF (Sample I.D.# : 22A0008-01) Collected: 02-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	02-Jan-22	04-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	02-Jan-22	04-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	02-Jan-22	02-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	03-Jan-22	03-Jan-22	**0.11 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0023-01) Collected: 03-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20348	1.8	03-Jan-22	05-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20348	1.8	03-Jan-22	05-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	03-Jan-22	13-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20451	0.05	04-Jan-22	04-Jan-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22A0061-01) Collected: 04-Jan-22 By EM of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20453	1.8	04-Jan-22	06-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20453	1.8	04-Jan-22	06-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	04-Jan-22	04-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20525	0.05	05-Jan-22	05-Jan-22	**0.12 mg/l**	
EFF (Sample I.D.# : 22A0100-01) Collected: 05-Jan-22 By CA of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20519	1.8	05-Jan-22	07-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20519	1.8	05-Jan-22	07-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	05-Jan-22	05-Jan-22	**7.8 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20525	0.05	05-Jan-22	05-Jan-22	**0.11 mg/l**	
EFF (Sample I.D.# : 22A0140-01) Collected: 06-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20634	1.8	06-Jan-22	08-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20634	1.8	06-Jan-22	08-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	06-Jan-22	06-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA20642	0.05	06-Jan-22	06-Jan-22	**0.08 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Parameter	Method	QC Batch	RL	Prepared	Analyzed	Result	Notes
EFF (Sample I.D.# : 22A0205-01) Collected: 07-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20725	1.8	07-Jan-22	09-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20725	1.8	07-Jan-22	09-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	07-Jan-22	07-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21048	0.05	07-Jan-22	07-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0216-01) Collected: 08-Jan-22 By DH of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20825	1.8	08-Jan-22	10-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20825	1.8	08-Jan-22	10-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	08-Jan-22	09-Jan-22	**7.7 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21048	0.05	08-Jan-22	08-Jan-22	**<0.05 mg/l**	
EFF (Sample I.D.# : 22A0220-01) Collected: 09-Jan-22 By em of IPC							
Microbiological							
Fecal Coliforms	SM 9221E	AA20939	1.8	09-Jan-22	11-Jan-22	**<1.8 MPN/100 ml**	
Total Coliforms	SM 9221B	AA20939	1.8	09-Jan-22	11-Jan-22	**<1.8 MPN/100 ml**	
Inorganic Constituents							
pH	SM 4500H-B	AA21043	0.1	09-Jan-22	09-Jan-22	**7.6 pH Units**	
Residual Chlorine	SM 4500Cl-G	AA21048	0.05	09-Jan-22	09-Jan-22	**0.09 mg/l**	

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 13-Jan-22 15:23
Subject: (MCC) Daily EFF

Project/P.O.#: (MCC) Daily EFF

Notes and Definitions

RL Reporting Limit - The lowest amount of a constituent that can be reliably quantified and reported.

Respectfully Submitted,

Stephen Sakai 1/13/2022
Lab Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L1013

Customer: IPC - Integrated Performance Consultants, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	**Sampled by:** Golan Kfir **Report Attention:** Ric Vardel / Golan Kfir	**P.O. #:** **Phone #:** 949-382-9067	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: ~~Field~~ Lab
EFF	12/30/21	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	7.0
	~	~	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 30 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/30/21	11:25
Received by	Juan V. (PCL)	12/30/21	11:25
Relinquished by	Juan V. (PCL)	12/30/21	12:25
Received by			
Relinquished by			
Received in lab by	DEC 30 2021		12:25

Sample Received Checklist

Temperature upon receipt: 4.0 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab **Comp**	**HC** - HCl **HS** - H_2SO_4
Matrix **AQ** - Water **SO** -Soil / Sludge **OT** - Other	**HN** - HNO_3 **HP** - H_3PO_4 **OH** - NaOH
Bottle Type **P** - Plastic **G** - Amber Glass **VOA** - 40 ml Vial **Coli** - bacteria	**ST** - Sodium Thiosulfate **AA** - Ascorbic Acid **Al** - $AlCl_3$ **Cu** -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 21L1056

Customer:	IPC - Integrated Performance Consultants, Inc.	Project :	(MCC) Daily EFF
Address:	9297 Research Drive	Sampled by:	Golan Kfir
	Irvine CA 92618	Report Attention:	Ric Vardel / Golan Kfir
		P.O. #:	
		Phone #:	949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/31/21	13:30	1	pH, T.Res.Chlorine	Grab	AQ	500ml Plastic	4°C	
	〃	〃	1	Total Coliform, Fecal Coliform	Grab	AQ	Coli Bottle	4°C, ST	

RECEIVED
DEC 31 2021
By

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: Golan	Golan IPC	12/31/21	14:19
Received by: Alex Walters	Alex Walters	12/31/21	14:19
Relinquished by:			
Received by:			
Relinquished by:			
Received in lab by: Alex Walters Jr.		DEC 31 2021	1600

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.



Malibu Civic Center Wastewater Treatment Facility

Fourth 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

January 31, 2022

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

January 31, 2022
Project No: 20-09665

Yolanda Bundy
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90265

Subject: Fourth 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 Fourth 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 Fourth 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 ____ day of _____ at _____

_____
Signature

_____
Title

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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 fourth quarter of 2021 for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California (Figure 1). The CCWTF began discharging treated wastewater in the third quarter of 2018, triggering Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II). The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu (Figure 2). The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Recycled Water in the Prohibition area in conformance with California Code of Regulations, Title 22
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following activation of the CCWTF operations, baseline monitoring activities (Task I) were completed and long-term monitoring activities (Task II) were triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

The basin-wide long-term monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks were designed to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine shallow and deep groundwater wells and monitoring surface water quality at ten locations. The objective of this task was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine shallow and deep groundwater wells and surface water quality at 10 locations on a quarterly basis. Depending on quarterly flows of recycled water from the CCWTF to the percolation ponds, the number of samples collected for a given quarter may be reduced from nine to seven groundwater monitoring wells. This reduced number of groundwater monitoring wells is allowed when no more than 10 percent greater than the permitted flows are discharged to the percolation ponds.

The objective of long-term monitoring is to identify impacts, if any, that land disposal of recycled water, via injection and landscape irrigation or percolation, have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells were chosen to provide adequate spatial and vertical coverage of the basin near the CCWTF injection to monitor for potential adverse impacts. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program builds upon the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at 16 groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City of Malibu and in a small area in unincorporated Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City of Malibu has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen groundwater wells located in the City of Malibu's Civic Center area. The objective of the MOU is to monitor for potential impacts to the Shallow Alluvium because of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide an understanding of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project is in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109-square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, residential properties, and natural streams (LARWQCB 2011). Malibu Lagoon, a 13-acre brackish estuary, is located at the terminus of the Malibu Creek watershed and is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two canyons in the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (Department of Water Resources [DWR] groundwater basin no. 4-22) is a 613-acre alluvial basin. The groundwater basin is bounded by the Pacific Ocean to the south and the Santa Monica Mountains to the north, east, and west. The basin is 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 Fourth Quarter 2021

The following activities were completed during the fourth quarter of 2021:

- Rincon measured depth to water in groundwater monitoring wells on October 12, November 8, and December 30, 2021 (Task V)
- Rincon collected and analyzed groundwater samples for WDR/MRP (Task II), SNMP (Task III), and MOU (Task IV) compliance on November 9, 10, and 11, 2021
- Rincon collected and analyzed surface water samples for WDR/MRP (Task II) compliance on November 11, 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 (32 wells)[1, 2]				
C-1	C-2	CCPE	CCPNE	CCPSW
CCW-4	GH6-M1	GH8-M3	M6-1	M6-2
M7-1	M7-2	MBCMW-53[3]	MBCMW-7	MBCMW-8
MBCMW-9	MBCMW-10	MCWP-MW04S	MCWP-MW07S	MCWP-MW08
MCWP-MW10	P-4	P-9	SMBRP-2	SMBRP-6
SMBRP-7B	SMBRP-8 (EC1-RC-MW01)	SMBRP-9	SMBRP-12	SMBRP-13
SMBRP-15B[4]	SMBRP-16			
Deep Zone (8 wells) [5]				
MCWP-MW01	MCWP-MW02	MCWP-MW03	MCWP-MW04D	MCWP-MW05
MCWP-MW06	MCWP-MW07D	MCWP-MW09		
Winter Canyon (2 wells)				
LAMW-5S	SMBRP-11			

[1] Three wells have been removed from the original monitoring network: GH9-M4 has been buried as of the September 2018 monitoring event, MBCMW-6 was removed following grading activities in 2019, and SMBRP-10C was removed during the development of a sidewalk in March 2021

[2] The December monitoring event occurred at the end of a rain event, therefore the following wells were submerged in water and were unable to be measured: C-1, C-2, M6-1, M6-2, MCWP-MW07S, and SMBRP-13

[3] MCBMW-5 was dry during each month of the monitoring period

[4] SMBRP-15B was dry during the October and November monitoring event

[5] The December monitoring event occurred at the end of a rain event, therefore the following wells were submerged in water and were unable to be measured: MCWP-MW03 and MCWP-MW07D

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 fourth quarter of 2021, changes in elevation compared to the third quarter of 2021, and historical groundwater elevation range.

Summary of Groundwater Elevations – Shallow Zone

4th Quarter 2021			3rd Quarter 2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
3.96 (MCWP-MW08)	19.24 (SMBRP-8)	8.11	3.61 (MCWP-MW08)	20.07 (SMBRP-8)	7.54	1.09 (CCPE, 05/2020)	25.38 (SMBRP-8, 05/2017)

Changes from October to December 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
5	-0.73 (SMBRP-9)	-0.41	20	8.49 (SMBRP-6)	2.53	1.94

Note: Elevations measured in feet above mean sea level

The shallow groundwater gradient was calculated, and flow direction estimated based on the groundwater elevation data in SMBRP-2, SMBRP-9, and SMBRP-12 and summarized in the table below (Figures 3, 4, and 5).

Summary of Groundwater Gradients

Month	Gradient (feet per foot)	Flow Direction
October	0.0031	Southeast
November	0.0025	East-southeast
December	0.0022	East-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 fourth quarter of 2021, changes in elevation compared to the third quarter of 2021, and historical groundwater elevation ranges:

Summary of Groundwater Elevations – Deep Zone

4th Quarter 2021			3rd Quarter 2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
4.81 (MCWP-MW05)	10.80 (MCWP-MW09)	6.98	4.36 (MCWP-MW07D)	10.51 (MCWP-MW09)	6.19	4.09 (MCWP-MW07D, 12/2017)	11.55 (MCWP-MW09, 12/2015)

Changes from October to December 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
1	-0.80 (MCWP-MW02)	--	7	2.73 (MCWP-MW05)	1.67	1.45

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 fourth quarter of 2021, changes in elevation compared to the third quarter of 2021, and historical groundwater elevation ranges.

Summary of Groundwater Elevations – Winter Canyon

4th Quarter 2021			3rd Quarter 2021			Historical	
Minimum	Maximum	Average	Minimum	Maximum	Average	Minimum	Maximum
9.06 (SMBRP-11)	46.51 (LAMW-5S)	27.47	8.65 (SMBRP-11)	45.60 (LAMW-5S)	27.09	8.65 (SMBRP-11, 08/2021)	58.65 (LAMW-5S, 03/2019)

Changes from October to December 2021						
Decrease			Increase			Average Change
# Observed	Maximum	Average	# Observed	Maximum	Average	
–	–	–	2	1.39 (LAMW-5S)	1.05	1.05

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 fourth 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 fourth 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 November 11, 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	150 (N-001)	2,400 (N-003)	820	MPN/100 mL
Fecal Coliform	1	–	1.0 (N-001)	–	MPN/100 mL
Nitrate as Nitrogen	0	–	–	–	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	4	0.32 (N-003)	0.49 (N-001)	0.41	mg/L
Ammonia Nitrogen	2	0.018 (N-004)	0.24 (N-003)	0.090	mg/L
Total Kjeldahl Nitrogen	4	0.41 (N-004)	0.56 (N-003)	0.48	mg/L
Total Phosphorous	4	0.068 (N-002)	0.29 (N-001)	0.18	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

Malibu Lagoon and Creek

The following table summarizes constituent detections in surface water samples collected from the six Malibu Lagoon and Creek monitoring locations.

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	99 (L-006)	1,000 (L-004)	303	MPN/100 mL
Nitrate as Nitrogen	0	–	–	–	mg/L
Nitrite as Nitrogen	0	–	–	–	mg/L
Organic Nitrogen	6	0.51 (L-001)	0.88 (L-004)	0.67	mg/L
Ammonia Nitrogen	3	0.086 (L-006)	0.12 (L-004, L-005)	0.079	mg/L
Total Kjeldahl Nitrogen	6	0.51 (L-001)	1.0 (L-004)	0.72	mg/L
Total Phosphorous	6	0.043 (L-003)	0.12 (L-004)	0.071	mg/L

MPN/100 mL – Most Probable Number per 100 milliliters
mg/L – milligrams per liter

6.2 Groundwater

A total of seven groundwater monitoring wells were sampled during the fourth 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 fourth 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	7	6	2.0 (MCWP-MW09)	2,400 (MCWP-MW04S, MCWP-MW07D)	920	MPN/ 100 mL
Fecal Coliform	7	5	1.0 (MCWP-MW09)	200 (SMBRP-12)	30	MPN/ 100 mL
Nitrate as Nitrogen	7	5	0.13 (SMBRP-12)	9.3 (MCWP-MW09)	2.4	mg/L
Nitrite as Nitrogen	7	0	–	–	–	–
Organic Nitrogen	7	7	0.0090 (MCWP-MW04D)	0.71 (MCWP-MW04S)	0.31	mg/L
Ammonia Nitrogen	7	7	0.038 (MCWP-MW09)	4.7 (SMBRP-12)	1.2	mg/L
Total Kjeldahl Nitrogen	7	7	0.058 (MCWP-MW04D)	5.3 (SMBRP-12)	1.5	mg/L
Total Phosphorous	7	7	0.048 (MCWP-MW04D)	0.74 (SMBRP-12)	0.29	mg/L
Total Dissolved Solids	7	7	1,100 (MCWP-MW07S)	5,200 (MCWP-MW04S)	2,629	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 First Quarter of 2022

The following activities will be completed during the first quarter of 2022:

- Prepare and submit this Fourth 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), SNMP (Task III), and MOU (Task IV) compliance
- Measure depth to water in the groundwater monitoring wells in January, February, and March 2022 (Task V)

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Consistent with past observations, shallow groundwater generally flows south-southeast. During the fourth quarter of 2021, groundwater elevations increased in 80 percent of shallow wells (20 out of 25 wells), increased 7 out of 8 deep wells, and increased in every Winter Canyon well, with a total average change of 1.45 feet. In addition, based on observations made throughout the monitoring period, Rincon recommends general maintenance of the groundwater monitoring wells to protect the well casings from surface water inflow.

8.2 Surface Water Quality

The maximum total coliform concentration in the Near Shore exceeded the upper detection limit of 2,400 MPN/100 mL in N-003. Total coliform concentrations in Malibu Lagoon and Creek exceeded the upper detection limit of 2,400 MPN/100 mL in each sampling location (L-001 through L-006). Surface water samples showed an overall decrease of total coliform compared to the third quarter of 2021, with an average decrease of 413 MPN/100 mL.

Fecal coliform was only detected in one of the Near Shore samples (N-001). In Malibu Lagoon and Creek locations, fecal coliform concentrations averaged 303 MPN/100 mL, a decrease from the average from the third quarter of 2021 (2,400 MPN/100 mL). The highest detected fecal coliform concentration was 1,000 MPN/100 mL (L-004).

Nitrate as nitrogen and nitrite as nitrogen were not detected in any Near Shore or Malibu Lagoon and Creek surface water samples. Organic nitrogen averaged 0.41 mg/L in Near Shore samples and 0.67 mg/L in Malibu Lagoon and Creek samples. When compared to the third quarter of 2021, organic nitrogen concentrations had an average decrease of 0.17 mg/L in the Near Shore samples and 0.33 mg/L in the Malibu Lagoon and Creek samples.

Phosphorous concentrations decreased with an average concentration of 0.11 mg/L compared to the average concentration of 0.082 mg/L observed in the third quarter of 2021.

8.3 Groundwater Quality

When comparing analytical results from the third quarter of 2021 to the fourth quarter of 2021, note that seven groundwater monitoring wells were sampled during the fourth quarter of 2021 (Task II), and 15 wells were sampled during the third quarter of 2021 (Task II, III, and IV). Of these same seven wells sampled during these two periods, total coliform increased in six wells and decreased in one well, with an average increase of 766 MPN/100 mL compared to the third quarter of 2021. Fecal coliform concentrations increased in four wells, decreased in one well and remained the same in two wells, with an average increase of 28 MPN/100 mL compared to the third quarter of 2021.

When compared to the third quarter of 2021, nitrate concentrations increased in five wells, decreased in one well, and remained the same in one well. The average concentration increased by 0.48 mg/L when compared to the third quarter of 2021.

When compared to the third quarter of 2021, average TDS concentrations in groundwater samples decreased from an average of 2,801 mg/L to 2,629 mg/L in the fourth 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

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Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	10/12/2021	11.47	5.48	5.99
C-1	11/8/2021	11.47	4.62	6.85
C-1	12/30/2021	11.47	Flooded	-
C-2	10/12/2021	11.19	5.71	5.48
C-2	11/8/2021	11.19	4.43	6.76
C-2	12/30/2021	11.19	Flooded	-
CCPE	10/12/2021	12.94	6.79	6.15
CCPE	11/8/2021	12.94	5.35	7.59
CCPE	12/30/2021	12.94	5.80	7.14
CCPNE	10/12/2021	13.68	7.49	6.19
CCPNE	11/8/2021	13.68	6.18	7.50
CCPNE	12/30/2021	13.68	6.52	7.16
CCPSW	10/12/2021	13.67	7.32	6.35
CCPSW	11/8/2021	13.67	6.27	7.40
CCPSW	12/30/2021	13.67	7.49	6.18
CCW-4	10/12/2021	15.77	7.80	7.97
CCW-4	11/8/2021	15.77	7.75	8.02
CCW-4	12/30/2021	15.77	3.31	12.46
GH6-M1	10/12/2021	-	29.75	-
GH6-M1	11/8/2021	-	30.06	-
GH6-M1	12/30/2021	-	30.28	-
GH8-M3	10/12/2021	40.21	29.21	11.00
GH8-M3	11/8/2021	40.21	29.40	10.81
GH8-M3	12/30/2021	40.21	29.51	10.70
GH9-M4	10/12/2021	-	Buried	-
GH9-M4	11/8/2021	-	Buried	-
GH9-M4	12/30/2021	-	Buried	-
M6-1	10/12/2021	-	7.89	-
M6-1	11/8/2021	-	7.44	-
M6-1	12/30/2021	-	Flooded	-
M6-2	10/12/2021	-	6.44	-
M6-2	11/8/2021	-	6.67	-
M6-2	12/30/2021	-	Flooded	-
M7-1	10/12/2021	-	9.69	-
M7-1	11/8/2021	-	9.62	-
M7-1	12/30/2021	-	7.02	-
M7-2	10/12/2021	-	9.29	-
M7-2	11/8/2021	-	9.41	-
M7-2	12/30/2021	-	5.25	-
MBCMW-5	10/12/2021	19.40	Dry	-
MBCMW-5	11/8/2021	19.40	Dry	-
MBCMW-5	12/30/2021	19.40	Dry	-
MBCMW-7	10/12/2021	16.64	12.58	4.06
MBCMW-7	11/8/2021	16.64	11.35	5.29
MBCMW-7	12/30/2021	16.64	10.37	6.27
MBCMW-8	10/12/2021	16.53	9.84	6.69
MBCMW-8	11/8/2021	16.53	9.47	7.06
MBCMW-8	12/30/2021	16.53	3.42	13.11
MBCMW-9	10/12/2021	17.71	9.15	8.56
MBCMW-9	11/8/2021	17.71	9.15	8.56
MBCMW-9	12/30/2021	17.71	6.10	11.61

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	10/12/2021	17.74	9.98	7.76
MBCMW-10	11/8/2021	17.74	8.60	9.14
MBCMW-10	12/30/2021	17.74	9.51	8.23
MCWP-MW04S	10/12/2021	15.29	8.15	7.14
MCWP-MW04S	11/8/2021	15.29	8.01	7.28
MCWP-MW04S	12/30/2021	15.29	3.72	11.57
MCWP-MW07S	10/12/2021	13.72	6.65	7.07
MCWP-MW07S	11/8/2021	13.72	6.44	7.28
MCWP-MW07S	12/30/2021	13.72	Flooded	-
MCWP-MW08	10/12/2021	12.21	8.25	3.96
MCWP-MW08	11/8/2021	12.21	7.50	4.71
MCWP-MW08	12/30/2021	12.21	7.81	4.40
MCWP-MW10	10/12/2021	11.11	6.65	4.46
MCWP-MW10	11/8/2021	11.11	5.43	5.68
MCWP-MW10	12/30/2021	11.11	7.15	3.96
P-4	10/12/2021	12.16	5.65	6.51
P-4	11/8/2021	12.16	4.70	7.46
P-4	12/30/2021	12.16	4.85	7.31
P-9	10/12/2021	12.17	6.05	6.12
P-9	11/8/2021	12.17	4.58	7.59
P-9	12/30/2021	12.17	5.75	6.42
SMBRP-2	10/12/2021	13.13	6.94	6.19
SMBRP-2	11/8/2021	13.13	5.50	7.63
SMBRP-2	12/30/2021	13.13	3.00	10.13
SMBRP-6	10/12/2021	26.88	17.64	9.24
SMBRP-6	11/8/2021	26.88	17.54	9.34
SMBRP-6	12/30/2021	26.88	9.15	17.73
SMBRP-7B	10/12/2021	18.99	14.22	4.77
SMBRP-7B	11/8/2021	18.99	13.70	5.29
SMBRP-7B	12/30/2021	18.99	9.92	9.07
SMBRP-8 (EC1-RC-MW01)	10/12/2021	48.69	29.45	19.24
SMBRP-8 (EC1-RC-MW01)	11/8/2021	48.69	29.81	18.88
SMBRP-8 (EC1-RC-MW01)	12/30/2021	48.69	No Access	-
SMBRP-9	10/12/2021	50.32	38.69	11.63
SMBRP-9	11/8/2021	50.32	39.02	11.30
SMBRP-9	12/30/2021	50.32	39.42	10.90
SMBRP-12	10/12/2021	12.62	6.58	6.04
SMBRP-12	11/8/2021	12.62	6.31	6.31
SMBRP-12	12/30/2021	12.62	5.72	6.90
SMBRP-13	10/12/2021	13.58	8.68	4.90
SMBRP-13	11/8/2021	13.58	7.45	6.13
SMBRP-13	12/30/2021	13.58	Flooded	-
SMBRP-15B	10/12/2021	16.77	Dry	-
SMBRP-15B	11/8/2021	16.77	Dry	-
SMBRP-15B	12/30/2021	16.77	5.70	11.07
SMBRP-16	10/12/2021	14.50	6.11	8.39
SMBRP-16	11/8/2021	14.50	5.95	8.55
SMBRP-16	12/30/2021	14.50	1.23	13.27

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	10/12/2021	17.90	11.32	6.58
MCWP-MW01	11/8/2021	17.90	10.01	7.89
MCWP-MW01	12/30/2021	17.90	9.50	8.40
MCWP-MW02	10/12/2021	18.06	11.72	6.34
MCWP-MW02	11/8/2021	18.06	10.91	7.15
MCWP-MW02	12/30/2021	18.06	11.80	6.26
MCWP-MW03	10/12/2021	15.31	8.50	6.81
MCWP-MW03	11/8/2021	15.31	7.50	7.81
MCWP-MW03	12/30/2021	15.31	Flooded	-
MCWP-MW04D	10/12/2021	15.43	10.49	4.94
MCWP-MW04D	11/8/2021	15.43	9.21	6.22
MCWP-MW04D	12/30/2021	15.43	8.71	6.72
MCWP-MW05	10/12/2021	13.92	9.11	4.81
MCWP-MW05	11/8/2021	13.92	7.72	6.20
MCWP-MW05	12/30/2021	13.92	6.38	7.54
MCWP-MW06	10/12/2021	16.05	11.22	4.83
MCWP-MW06	11/8/2021	16.05	9.92	6.13
MCWP-MW06	12/30/2021	16.05	8.65	7.40
MCWP-MW07D	10/12/2021	13.21	8.36	4.85
MCWP-MW07D	11/8/2021	13.21	7.34	5.87
MCWP-MW07D	12/30/2021	13.21	Flooded	-
MCWP-MW09	10/12/2021	16.30	6.64	9.66
MCWP-MW09	11/8/2021	16.30	5.50	10.80
MCWP-MW09	12/30/2021	16.30	5.87	10.43

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	10/12/2021	104.55	59.43	45.12
LAMW-5S	11/8/2021	104.55	59.56	44.99
LAMW-5S	12/30/2021	104.55	58.04	46.51
SMBRP-11	10/12/2021	18.35	9.29	9.06
SMBRP-11	11/8/2021	18.35	8.99	9.36
SMBRP-11	12/30/2021	18.35	8.58	9.77

Notes:

Elevations measured in feet above mean sea level

Two shallow wells have been removed from the original monitoring network; GH9-M4 has been buried as of the September 2018 monitoring event, MBCMW-6 was removed following grading activities in 2019, and SMBRP-10C was removed during the development of a sidewalk in March 2021

-: No data available

ft bTOC: Feet below top of well casing

TOC: Top of well casing

Table 2
Groundwater and Surface Water Analytical Matrix

Groundwater	Long-Term, SNMP, MOU (Tasks II, III, IV)									SNMP, MOU (Tasks III, IV)					SNMP (Task III)	
	Shallow Zone				Deep Zone			Winter Canyon		Shallow Zone					Deep Zone	
Laboratory Analysis[1]	*SMBRP-9*	*SMBRP-12*	*MCWP-MW04S*	*MCWP-MW07S*	*MCWP-MW04D*	*MCWP-MW07D*	*MCWP-MW09*	*SMBRP-11*[2]	*LAMW-5S*	*CCPE*	*SMBRP-7B*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW10*	*MCWP-MW05*	*MCWP-MW06*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
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	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-

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 Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	11/11/2021	= **150**	= **1.0**	< 2.0	< 2.0	= **0.49**	< 0.10	= **0.49**	= **0.49**	= **0.29**
Near Shore	Ankle Depth	N-002	11/11/2021	= **390**	< 1.0	< 2.0	< 2.0	= **0.45**	< 0.10	= **0.45**	= **0.45**	= **0.068**
Near Shore	Ankle Depth	N-003	11/11/2021	> **2,400**	< 1.0	< 2.0	< 2.0	= **0.32**	= **0.24**	= **0.56**	= **0.56**	= **0.28**
Near Shore	Ankle Depth	N-004	11/11/2021	> **340**	< 1.0	< 2.0	< 2.0	= **0.39**	= **0.018 J**	= **0.41**	= **0.41**	= **0.069**
Malibu Lagoon and Creek	1 foot BSW	L-001	11/11/2021	> **2,400**	= **210**	< 1.0	< 1.0	= **0.51**	< 0.10	= **0.51**	= **0.51**	= **0.095**
Malibu Lagoon and Creek	1 foot BSW	L-002	11/11/2021	> **2,400**	= **200**	< 1.0	< 1.0	= **0.64**	< 0.10	= **0.64**	= **0.64**	= **0.070**
Malibu Lagoon and Creek	1 foot BSW	L-003	11/11/2021	> **2,400**	> **160**	< 1.0	< 1.0	= **0.65**	< 0.10	= **0.65**	= **0.65**	= **0.043**
Malibu Lagoon and Creek	1 foot BSW	L-004	11/11/2021	> **2,400**	> **1,000**	< 1.0	< 1.0	= **0.88**	= **0.12**	= **1.0**	= **1.0**	= **0.12**
Malibu Lagoon and Creek	1 foot BSW	L-005	11/11/2021	> **2,400**	> **150**	< 1.0	< 1.0	= **0.70**	= **0.12**	= **0.82**	= **0.82**	= **0.044**
Malibu Lagoon and Creek	1 foot BSW	L-006	11/11/2021	> **2,400**	> **99**	< 1.0	< 1.0	= **0.61**	= **0.086 J**	= **0.70**	= **0.70**	= **0.055**

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

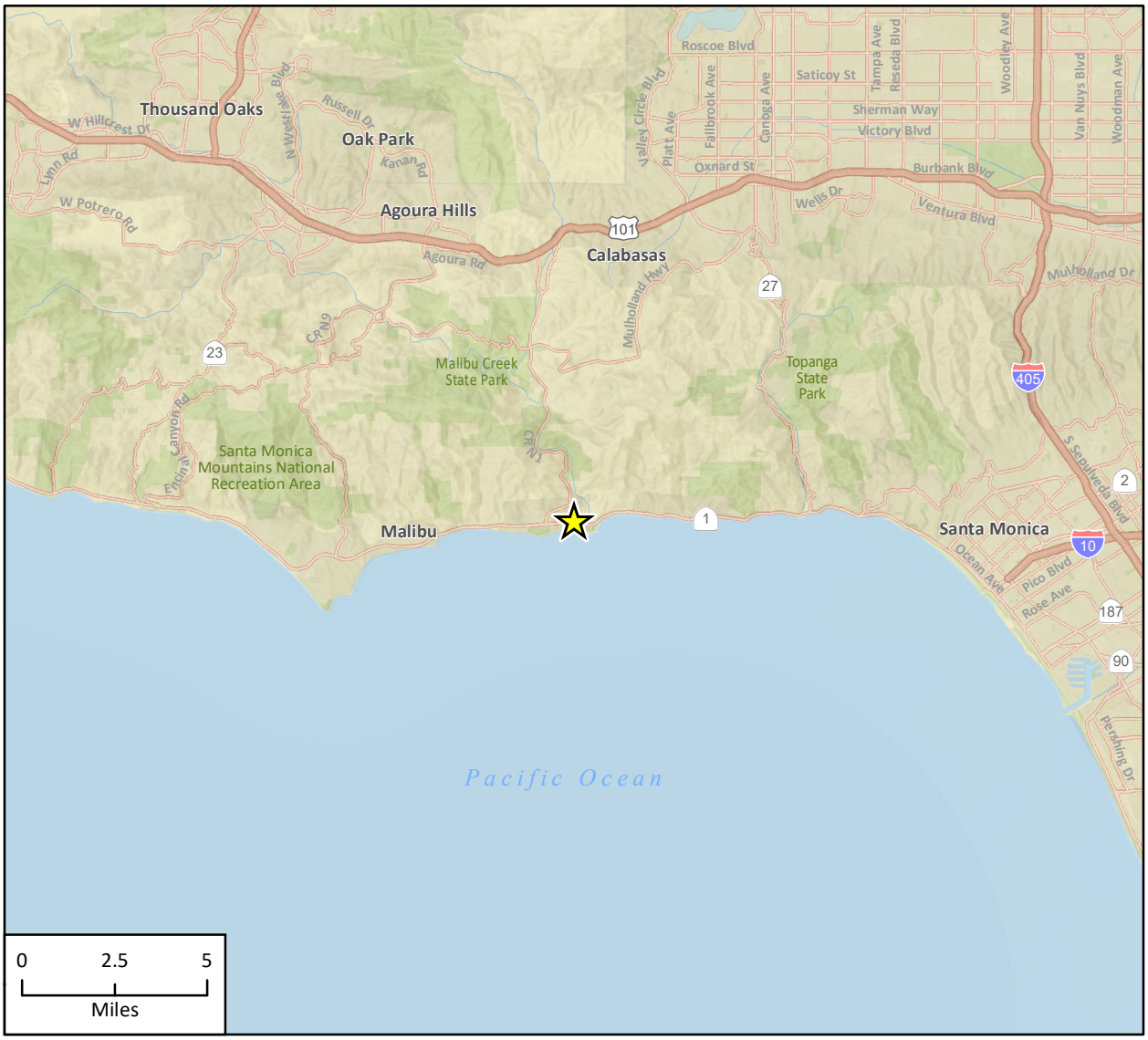
Table 4
Groundwater Analytical Results

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
SMBRP-9	45	11/11/2021	< 1.0	< 1.0	< 1.0	< 0.10	= **0.30**	= **2.9**	= **3.2**	= **3.2**	= **0.16**	= **0.97**	= **690**	= **3,400**	= **1500**
SMBRP-12	25	11/11/2021	= **920**	= **200**	= **0.13**	< 0.10	= **0.60**	= **4.7**	= **5.3**	= **5.4**	= **0.74**	= **0.87**	= **430**	= **3,100**	= **870**
MCWP-MW04S	20	11/10/2021	> **2,400**	= **2.0**	= **0.90**	< 0.10	**0.71**	= **0.13**	= **0.84**	= **1.7**	= **0.56**	= **2.3**	= **3,100**	= **5,200**	= **590**
MCWP-MW04D	145	11/10/2021	= **3.1**	< 1.0	= **1.3**	< 0.10	= **0.0090**	= **0.049 J**	= **0.058 J**	= **1.4**	= **0.048**	= **0.83**	= **560**	= **1,600**	= **260**
MCWP-MW07S	20	11/9/2021	= **2,000**	= **3.1**	= **4.6**	< 0.10	= **0.25**	= **0.16**	= **0.41**	= **5.0**	= **0.18**	= **0.40**	= **220**	= **1,100**	= **190**
MCWP-MW07D	134	11/10/2021	> **2,400**	= **3.1**	< 0.10	< 0.10	= **0.13**	= **0.20**	= **0.33 J**	= **0.33**	= **0.12**	= **0.64**	= **1,100**	= **2,600**	= **360**
MCWP-MW09	89	11/11/2021	= **2.0**	= **1.0**	= **9.3**	< 0.10	= **0.19**	= **0.038 J**	= **0.23 J**	= **9.5**	= **0.20**	= **0.66**	= **220**	= **1,400**	= **160**

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
bgs: Below ground surface
J: Estimated value; the consituent was detected above the method detection limit, but below the RDL
mg/L: Milligrams per liter
MPN/100 mL: Most Probable Number per 100 milliliters

Figures



Project Location

N



Vicinity Map

Figure 1

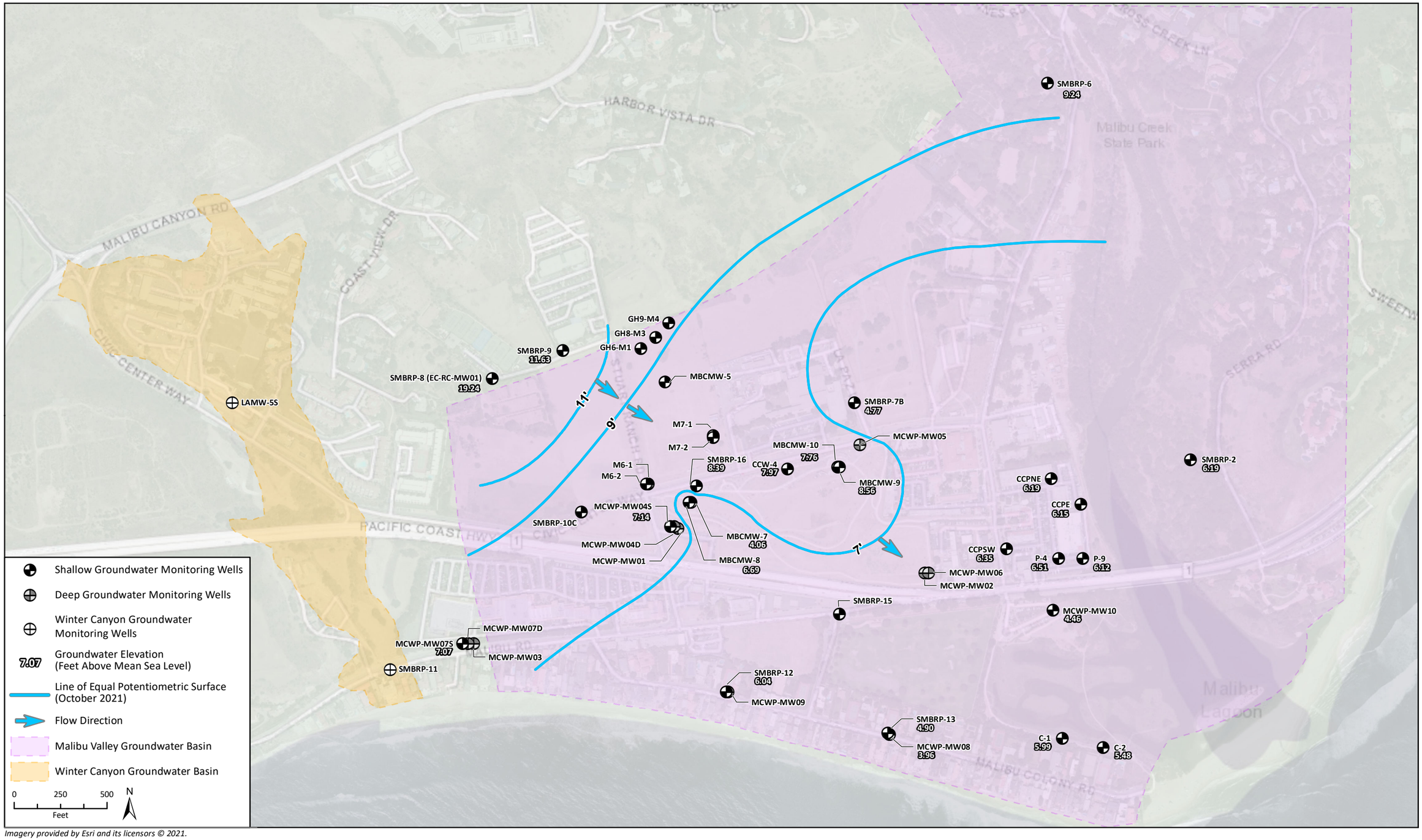


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Site Map - Monitoring Network

Figure 2

Rincon Consultants Inc.

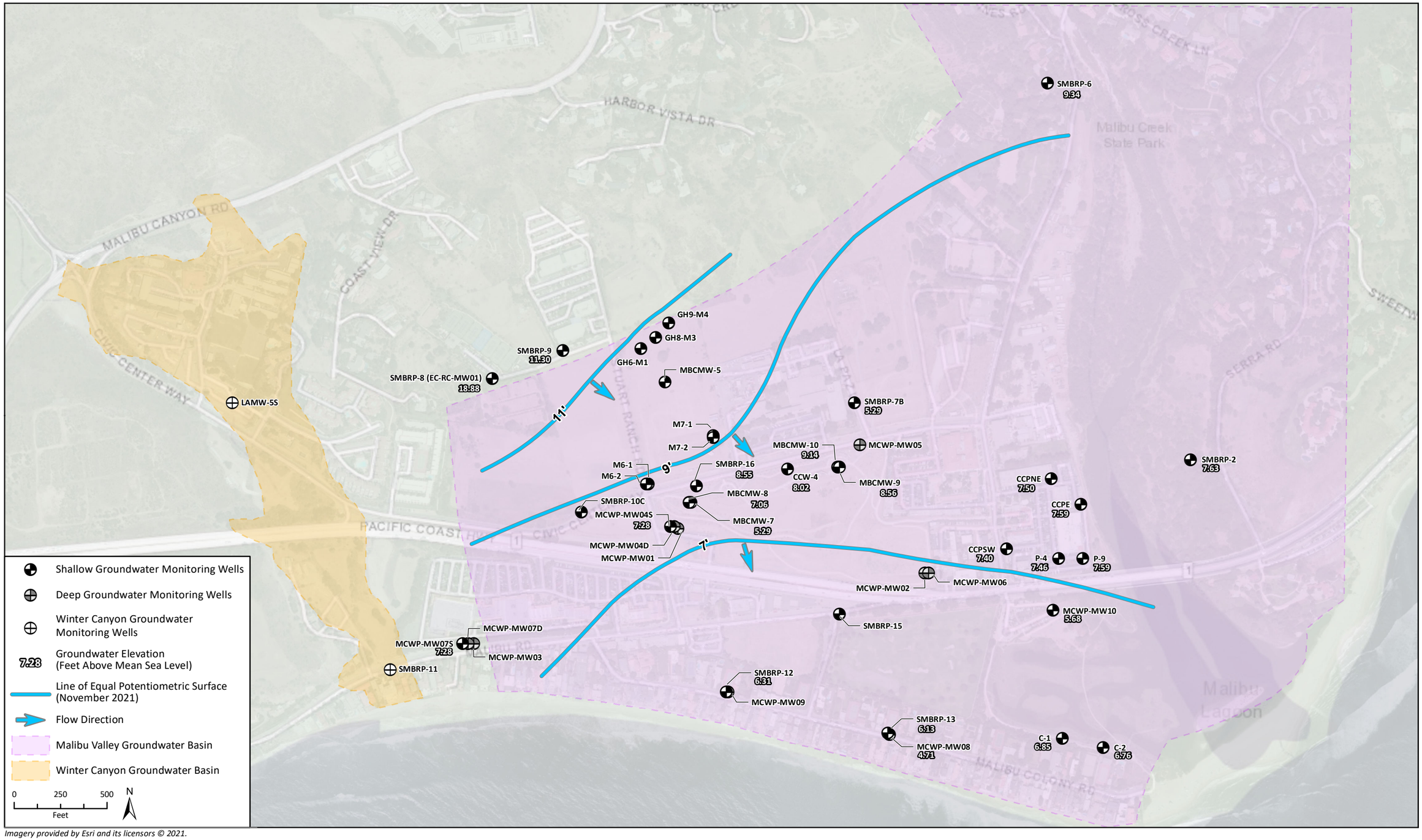


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Shallow Groundwater Elevation - October 2021

Figure 3

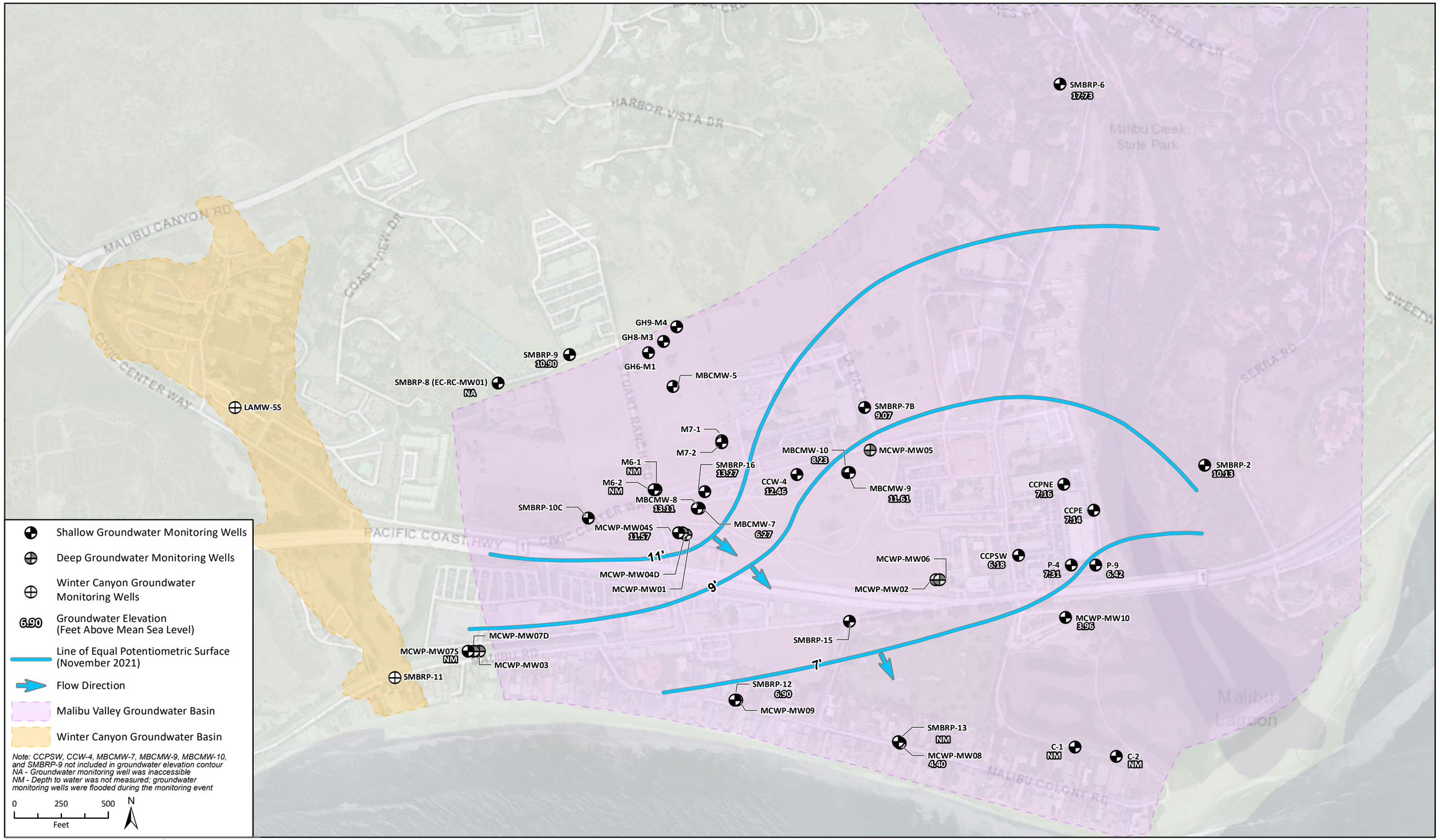
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Shallow Groundwater Elevation - November 2021

Figure 4

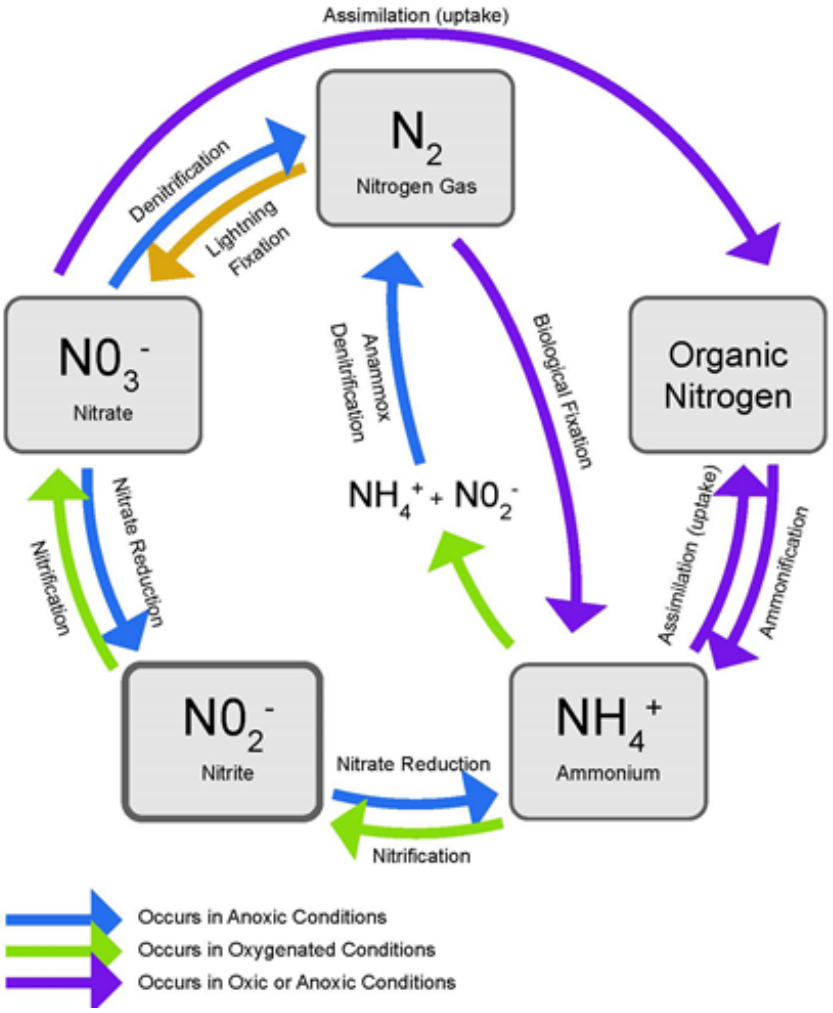


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Shallow Groundwater Elevation - December 2021

Figure 5

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The Nitrogen Cycle Figure 6

Appendix A

Groundwater and Surface Water Field Sheets

Rincon Consultants, Inc.

DEPTH TO GROUNDWATER MEASUREMENTS

Job No:	**20-09665**	Event:	Q4- November
Project:	**Malibu CCWTF**	Date:	11/8/2021
Location:	**Malibu, CA**	Measured By:	Michelle Carter & Landon Lujan

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	4.62	1025	MbX2 SAND BUILDUP
C-2	14.20		2	4.43	1026	MbX2 IN WELL BOXES
CCPE	52.70		2	5.35	1103	REPAVED - LID DOES NOT S TRIG
CCPNE	24.10		2	6.18	1100	
CCPSW	19.90		2	6.27	1118	Mb x2
CCW-4	12.30		1	7.75	1225	
GH6-M1	35.20	35.09	2	30.06	1050	
GH8-M3	40.21	39.36	2	29.40	1045	
~~GH9-M4~~	~~44.20~~		~~2~~			BURIED
M6-1	45.30	45.20	2	7.44	1110	
M6-2	19.40	19.50	2	6.67	1115	
M7-1	39.35	39.04	2	9.62	1025	
M7-2	19.60	19.26	2	9.41	1027	
MBCMW-5	19.40	18.21	N/A	DRY	1040	
~~MBCMW-6~~	~~84.26~~		~~N/A~~			REMOVED
MBCMW-7	52.15	51.95	2	11.35	1210	GOOD
MBCMW-8	11.95		2	9.47	1215	GOOD
MBCMW-9	9.25	9.25	2	9.15	1218	Mb
MBCMW-10	51.75		2	8.6	1217	mb
MCWP-MW01	152.88		6	10.01	1150	mb
MCWP-MW02	148.20		6	10.91	1123	mbx2
MCWP-MW03	136.65		6	7.5	1100	mbx2
MCWP-MW04S	20.45	20.49	4	8.01	1145	mbx2
MCWP-MW04D	149.20	149.12	4	9.21	1135	GOOD
MCWP-MW05	154.40		4	7.72	1215	Mb
MCWP-MW06	138.15		2	9.92	1120	mbx2
MCWP-MW07S	17.22	17.21	2	6.44	1025	
MCWP-MW07D	129.60	57.10	2	7.34	1000	
MCWP-MW08	79.38		2	7.50	1148	
MCWP-MW09.	89.60	88.95	2	5.50	1145	
MCWP-MW10	22.23		2	5.43	1033	
P-4	14.57		4	4.70	1119	mb x 2
P-9	13.90		4	4.58	1112	Mb x 2 BARK in BOX
SMBRP-2	24.88		2	5.5	1045	
SMBRP-6	23.45		2	17.54	1054	Mb
SMBRP-7B	25.13	25.06	2	13.70	1010	GOOD
SMBRP-8 (EC1-RC-MW01)	40.46	40.31	4	29.81	0950	GOOD
SMBRP-9	45.40	44.86	2	39.02	0940	GOOD
~~SMBRP-10C~~	~~25.00~~		~~2~~			REMOVED
SMBRP-12	24.88	24.45	2	6.31	1140	
SMBRP-13	19.48		2	7.45	1150	
SMBRP-15B	8.40		1	DRY		
SMBRP-16	25.00	25.25	2	5.95	1200	
LAMW-5S	73.43		4	59.56	1006	
SMBRP-11	20.38		2	8.99	1132	Mb
~~Lagoon~~	~~N/A~~		~~N/A~~			

Rincon Consultants, Inc.

DEPTH TO GROUNDWATER MEASUREMENTS

Job No:	20-09665	Event: December Monthly	
Project:	Malibu CCWTF	Date: 12/30/21	
Location:	Malibu, CA	Measured By: LANDON LUJAN	

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	N/A	1425	Well box submerged (large puddle)
C-2	14.20		2	N/A	1430	Well box submerged (large puddle)
CCPE	52.70		2	5.80	1220	Stripped threads
CCPNE	24.10		2	6.52	1200	No bolts
CCPSW	19.90		2	7.49	1225	No bolts
CCW-4	12.30		1	3.31	1115	good
GH6-M1	35.20		2	30.28	1025	No bolts
GH8-M3	40.21		2	29.51	1020	No bolts
GH9-M4	44.29		2	-	-	Buried
M6-1	45.30		2	N/A	N/A	Well box submerged (puddle)
M6-2	19.40		2	N/A	N/A	Well box submerged (puddle)
M7-1	39.35		2	7.02	1000	good
M7-2	19.60		2	5.25	1005	good
MBCMW-5	19.40		N/A	DRY	1010	Missing Bolts
MBCMW-6	64.26		N/A	-	-	Removed
MBCMW-7	52.15		2	10.37	1055	No bolts
MBCMW-8	11.95		2	3.42	1100	No bolts
MBCMW-9	9.25		2	6.10	1145	No bolts
MBCMW-10	51.75		2	9.51	1150	No bolts
MCWP-MW01	152.88		6	9.50	1050	No Bolts
MCWP-MW02	148.20		6	11.80	1245	No bolts
MCWP-MW03	136.65		6	N/A	1350	Flooded well box
MCWP-MW04S	20.45		4	3.72	1047	No bolts
MCWP-MW04D	149.20		4	8.71	1045	No bolts
MCWP-MW05	154.40		4	6.38	1130	No bolt (1)
MCWP-MW06	138.15		2	8.65	1250	No bolts
MCWP-MW07S	17.22		2	N/A	1350	Flooded well box
MCWP-MW07D	129.60		2	N/A	1350	Flooded well box
MCWP-MW08	79.38		2	7.81	1320	good
MCWP-MW09	89.60		2	5.87	1315	No bolt (1)
MCWP-MW10	22.23		2	7.15	1235	stripped threads
P-4	14.57		4	4.85	1215	No bolts
P-9	13.90		4	5.75	1210	No bolts
SMBRP-2	24.88		2	3.0	1445	No bolt (1)
SMBRP-6	23.45		2	9.15	1515	No bolt (1)
SMBRP-7B	25.13		2	9.92	1120	Needs o-ring
SMBRP-8 (EC1-RC-MW01)	40.46		4	N/A	N/A	country club gate locked
SMBRP-9	45.40		2	39.42	0955	good
SMBRP-10C	25.00		2	-	-	Removed
SMBRP-12	24.88		2	5.72	1310	good
SMBRP-13	19.48		2	N/A	N/A	Well box flooded
SMBRP-15B	8.40		1	5.70	1300	NO lid (small well box)
SMBRP-16	25.00		2	1.23	1110	No bolts /water in box
LAMW-5S	73.43		4	58.04	0940	good
SMBRP-11	20.38		2	8.58	1355	No bolt (1)
Lagoon	N/A		N/A	N/A	N/A	

Scanned with CamScanner

Rincon Consultants, Inc.

GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location Malibu, CA	Date: 11/11/21
Observation Period Start: 1130 Stop: 1240	Well Number: SMBRP-9
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	43.0
Well Diameter (in)	2	Depth of Well (ft)	44.83
Initial/Static Depth to Water (ft)	39.00	Length of Water Column (ft)	5.83
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	0.93	Three Casing Volumes (gal)	2.80
Purge Time, Start	1135	Purge Time, Stop	1155
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.15
Purge Volume (gal)	3	Depth to Water (ft) at Sampling	39.51

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.0	2.0	3.0				At Sampling
Temperature (C)	23.6	23.2	23.9	23.4				24.3
pH	7.20	7.16	7.2	7.26				7.71
Conductivity (µS)	2838	2670	2838	2790				2840
Dissolved Oxygen (mg/L)	4.17	4.09	4.90	5.19				5.55
Dissolved Oxygen (%)	49.2	48.1	59.7	60.9				66.4
TDS (ppm)	1897	1795	1856	1816				1855
Turbidity (NTU)	2.89	5.00	27.09	102.9				16.44

Depth to Water at End of Purge (ft): 41.55 Drawdown (ft): 2.55

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

39.00 + 0.2 * 2.55 = 39.51

Rincon Consultants, Inc.

GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location Malibu, CA	Date: 11/11/21
Observation Period Start: 1000 Stop: 1100	Well Number: MCWP-MW09
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	ELECT. SUB	Pump Inlet Depth (ft)	88.0
Well Diameter (in)	2	Depth of Well (ft)	89.05
Initial/Static Depth to Water (ft)	6.03	Length of Water Column (ft)	83.02
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.28	Three Casing Volumes (gal)	39.85
Purge Time, Start	1025	Purge Time, Stop	1050
Total Purge Time (minutes)	25	Purge Rate (gpm)	1.6
Purge Volume (gal)	40	Depth to Water (ft) at Sampling	6.14

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27	40.0				At Sampling
Temperature (C)	22.6	21.8	22.0	23.4	→	→	→	
pH	7.27	7.24	7.27	7.19	→	→	→	
Conductivity (µS)	6734	6656	6948	7211	→	→	→	
Dissolved Oxygen (mg/L)	3.25	3.40	3.51	2.89	→	→	→	
Dissolved Oxygen (%)	41.5	39.7	40.4	34.7	←	→	→	
TDS (ppm)	4592	4593	4773	4823	→	→	→	
Turbidity (NTU)	400.3	3051	6.98	3.13	→	→	→	

Depth to Water at End of Purge (ft): 6.6 Drawdown (ft): 0.57

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1050

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.03 + 0.2 * 0.57 = 6.144

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GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location **Malibu, CA**	Date: 11/11/21
Observation Period **Start:** 0935 **Stop:** 1020	Well Number: SMBRP-12.
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	ELECT. SUB	Pump Inlet Depth (ft)	23.50
Well Diameter (in)	2	Depth of Well (ft)	24.55
Initial/Static Depth to Water (ft)	6.67	Length of Water Column (ft)	17.88
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.86	Three Casing Volumes (gal)	8.58
Purge Time, Start	0945	Purge Time, Stop	0953
Total Purge Time (minutes)	8	Purge Rate (gpm)	1.13
Purge Volume (gal)	9	Depth to Water (ft) at Sampling	6.67

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	9.0				At Sampling
Temperature (C)	23.7	24.0	24.1	24.2				24.9
pH	6.70	6.79	6.79	6.88				7.18
Conductivity (µS)	12193	11703	11825	11765				3477
Dissolved Oxygen (mg/L)	2.87	2.98	2.79	3.64				3.44
Dissolved Oxygen (%)	34.2	35.0	33.7	44.5				41.5
TDS (ppm)	8196	7785	7819	7783				2258
Turbidity (NTU)	505.32	25.6	5.0	2.46				20.0

Depth to Water at End of Purge (ft): 6.67 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1015

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.67 + 0.2 * 0 = 6.67

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GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location Malibu, CA	Date: 11/10/21
Observation Period Start: 1050 Stop: 1330	Well Number: MCWP-MW04D
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	ELECT. SUB.	Pump Inlet Depth (ft)	144.0
Well Diameter (in)	4	Depth of Well (ft)	145.15
Initial/Static Depth to Water (ft)	9.55	Length of Water Column (ft)	135.6
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	88.14	Three Casing Volumes (gal)	264.42
Purge Time, Start	~~1100~~ 1120	Purge Time, Stop	1310
Total Purge Time (minutes)	~~50~~ 110	Purge Rate (gpm)	2.4
Purge Volume (gal)	264.5	Depth to Water (ft) at Sampling	9.42

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	88.5	177	264.5				At Sampling
Temperature (C)	—	20.1	19.8	20.4	→	→	→	
pH	—	7.16	7.14	7.15	→	→	→	
Conductivity (µS)	—	2527	2487	2650	→	→	→	
Dissolved Oxygen (mg/L)	—	3.20	3.16	2.77	→	→	→	
Dissolved Oxygen (%)	—	35.2	34.8	31.0	→	→	→	
TDS (~~ppm~~) mg/L	—	1794	1794	1871	→	→	→	
Turbidity (NTU)	—	0.88	0.5	1.37	→	→	→	

Depth to Water at End of Purge (ft): 9.42 Drawdown (ft): -0.11

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1315

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.55 + 0.2 * -0.11 = 9.528

Rincon Consultants, Inc.

GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location Malibu, CA 0920	Date: ~~11/9/21~~ 11/10/21
Observation Period Start: ~~1000~~ Stop: 1045	Well Number: MCWP-MW07D
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	ELECT. SUB	Pump Inlet Depth (ft)	56.0
Well Diameter (in)	2	Depth of Well (ft)	~~57.10~~ 127.95
Initial/Static Depth to Water (ft)	~~7.34~~ 7.98	Length of Water Column (ft)	~~49.76~~ 119.97
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	~~7.96~~ 19.20	Three Casing Volumes (gal)	57.6
Purge Time, Start	0931	Purge Time, Stop	1030
Total Purge Time (minutes)	59	Purge Rate (gpm)	0.98
Purge Volume (gal)	58	Depth to Water (ft) at Sampling	7.77

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39	58				At Sampling
Temperature (C)	20.8	21.5	22.3	22.6				22.0
pH	7.13	7.05	7.05	7.03				7.04
Conductivity (µS)	3216	4070	4222	4259				4143
Dissolved Oxygen (mg/L)	3.02	2.51	1.65	1.72				2.20
Dissolved Oxygen (%)	32.7	30.2	19.2	20.4				24.7
TDS (ppm)	2275	2831	2873	2883				2867
Turbidity (NTU)	105.3	21.34	16.88	6.45				3.94

Depth to Water at End of Purge (ft): 7.98 Drawdown (ft): 0

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR, 64°

Comments: Sampled Time: 1035

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

Rincon Consultants, Inc.

GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location Malibu, CA	Date: 11/9/21
Observation Period Start: 1025 Stop: 1100	Well Number: MCWP-MW07S
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	16.0
Well Diameter (in)	2	Depth of Well (ft)	17.21
Initial/Static Depth to Water (ft)	6.44	Length of Water Column (ft)	10.77
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.72	Three Casing Volumes (gal)	5.17
Purge Time, Start	1030	Purge Time, Stop	1042
Total Purge Time (minutes)	12	Purge Rate (gpm)	0.38
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	8.30

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	~~5.5~~				At Sampling
Temperature (C)	22.0	21.9	21.6					22.4
pH	7.38	7.32	7.48					7.38
Conductivity (µS)	2362	2278	2233	DEWATERED				2188
Dissolved Oxygen (mg/L)	52.2	4.13	5.87	@	4.5gal			5.87
Dissolved Oxygen (%)	4.49	47.5	64.7					67.9
TDS (ppm)	1625	1574	1551					1498
Turbidity (NTU)	1.25	4.74	226.82					12.88

Depth to Water at End of Purge (ft): 15.75 Drawdown (ft): 9.31

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	Non-Hazardous Waste
Water Level Indicator:	Solinst Model 101
Weather Conditions:	PARTLY CLOUDY, 63°

Comments: Sampled Time: 1115

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.44 + 0.2 * 9.31 = 8.30

Rincon Consultants, Inc.

GROUNDWATER SAMPLING/PURGING DATA SHEET

Job No: 20-09665	Event: Q4
Project/Location Malibu, CA	Date: 11/9/21
Observation Period Start: 0910 Stop: 0945	Well Number: MCWP-MW04S
Sampled By: MC + LL	Survey Reference Point: TOC

PURGING DATA

Type of Pump	ELECT. SUB	Pump Inlet Depth (ft)	19.5
Well Diameter (in)	4	Depth of Well (ft)	20.49
Initial/Static Depth to Water (ft)	8.00	Length of Water Column (ft)	12.49
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.12	Three Casing Volumes (gal)	24.36
Purge Time, Start	0926	Purge Time, Stop	0938
Total Purge Time (minutes)	12	Purge Rate (gpm)	0.917
Purge Volume (gal)	11	Depth to Water (ft) at Sampling	11.77

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	8.5	~~16.5~~	~~24.5~~				At Sampling
Temperature (C)	20.2	22.2						22.8
pH	7.38	7.27	DEWATERED					7.56
Conductivity (µS)	9488	6831	@ 11 gal					8413
Dissolved Oxygen (mg/L)	2.04	3.38						7.66
Dissolved Oxygen (%)	23.1	39.5						92.0
TDS (ppm)	6805	4683						5689
Turbidity (NTU)	2.07	5.45						1.17

Depth to Water at End of Purge (ft): 17.79 Drawdown (ft): 9.90

Comments: SLOW RECHARGE, OVER 24 HRS before sampling

MISCELLANEOUS DATA

Condition of Traffic Box: Missing both bolts

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR, 63° F

Comments: Sampled Time: 1265

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.00 + 0.2 * 9.90 = 9.84

Surface Water Sampling

Job No: 20-09665	**Event:** 4Q21
Project: Malibu CCWTF	**Date:** November 11, 2021
Location: Malibu, CA	**Sampled By:** James, Sawyer, Lindsey

CONDITIONS

Weather: Clear, sunny 84 degrees F	**Wind:** 0-10 kts
Estuary Berm: Closed	

DAILY TIDES

LOW	Time: 09:20	Feet: 4.3	**HIGH**	Time: 14:45	Feet: 5.9

VISUAL OBSERVATIONS

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/Wildlife Type, # On Land # In Water
N-001	09:25	Calm	Clear	Clear	None	None	N/A, 0, 0
N-002	09:41	Calm	Clear	Clear	None	None	N/A, 0, 0
N-003	09:58	Calm	Clear	Clear	None	None	Western gull, 6, 0 Sand piper, 11, 0 Pelicans, 4, 17
N-004	11:48	Calm	Clear	Clear	None	None	N/A, 0, 0
L-001	10:55	Calm	Cloudy	Brown	None	Garbage	Coots, 0, 24 Cormorant, 0, 1 Grebe, 0, 3
L-002	11:30	Calm	Cloudy	Brown	None	Garbage	Coots, 0, 10
L-003	11:14	Calm	Cloudy	Brown	None	Garbage	Cattle egret, 1, 0 Coots, 0, 20
L-004	10:34	Calm	Cloudy	Brown	None	Garbage	Coot, 0, 9
L-005	10:07	Calm	Cloudy	Brown	None	Garbage	Coots, 0, 25 Double-breasted Cormorants, 0, 18
L-006	10:23	Calm	Cloudy	Brown	None	Garbage	Coots, 0, 19 Double-breasted Cormorant, 0, 1 Snowy egret, 1, 0

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

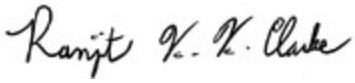
Lab Job Number: 453358
Report Level: II
Report Date: 11/18/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu - Quarterly

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 #:	453358
Project No:	MALIBU
Location:	Malibu - Quarterly
Date Received:	11/09/21

Sample ID	Lab ID	Collected	Matrix
MCWP-MW07S	453358-001	11/09/21 11:15	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: 453358				Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1	of	1		2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal		Matrix: A = Air DW = Drinking Water				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3					
c/o Montrose Environmental Group		FL = Food Liquid FS = Food Solid L = Liquid				4 = H_2SO_4 5 = NaOH 6 = Other					
1 Park Plaza, Suite 1000, Irvine, CA 92614		PP = Pure Product S = Solid SeaW = Sea Water									
		SW = Swab W = Water WP = Wipe O = Other									

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly
Report To:	Kiernan Brtalik	Number:	
Email:	Kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	MC + LL

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~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04S~~						X	X	X	X	X	X	X	X			MC
~~MCWP-MW04D~~						X	X	X	X	X	X	X	X			MC
MCWP-MW07S	11/9/21	1115	W		✓	X	X	X	X	X	X	X	X			
~~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:		LANDON LUJAN	RINCON	11/9/21 1342
[1] Received By:		NICK G	EA	11/9/21 15:45
[2] Relinquished By:		NICK G	EA	11/9/21 17:00
[2] Received By:		GKim	EA	11/9/21 1700
[3] Relinquished By:				
[3] Received By:				

6/0.9

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Malibu - Quarterly

Date Received: 11/09/21

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 6.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 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: 11/9/21

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 453358

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 453358
Project No: MALIBU
Location: Malibu - Quarterly
Date Received: 11/09/21

Sample ID: MCWP-MW07S **Lab ID: 453358-001** **Collected: 11/09/21 11:15**
Matrix: Water

453358-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	278059	11/15/21	11/15/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.40**		mg/L	0.050	0.0080	1	277686	11/10/21	11/11/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**190**		mg/L	25	2.5	5	277966	11/12/21 15:00	11/13/21 06:23	CSC
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277652	11/09/21 16:00	11/09/21 19:40	JCP
Nitrogen, Nitrate	**4.6**		mg/L	0.10	0.05	1	277652	11/09/21 16:00	11/09/21 19:40	JCP
Sulfate	**220**		mg/L	5.0	1.3	5	277966	11/12/21 15:00	11/13/21 06:23	CSC
Nitrogen, Nitrate/Nitrite	**4.6**		mg/L	0.10		1	277652	11/09/21 16:00	11/09/21 19:40	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.25**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277841	11/10/21 09:00	11/10/21 09:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277834	11/10/21 17:04	11/10/21 17:04	WWC
Method: SM 4500-H+ B										
pH	**7.44**	H	SU			1	277997	11/13/21 09:30	11/13/21 09:30	WWC
Temperature	**23.00**	H	deg C	1.00		1	277997	11/13/21 09:30	11/13/21 09:30	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.16**		mg/L	0.10	0.010	1	278142	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.030	1	278199	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.18**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 5310B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453358

453358-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Total Organic Carbon	ND		mg/L	1.0	0.18	1	277956	11/12/21	11/12/21	ATP
Method: SM 9223Bb										
Coliform, Total	**2,000**		MPN/100ml	1.0		1	277663	11/09/21 18:05	11/10/21 16:00	CCO
Fecal Coliform	**3.1**		MPN/100ml	1.0		1	277663	11/09/21 18:05	11/10/21 16:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	277840	11/10/21 09:00	11/10/21 09:00	WWC
Method: SM2130B										
Turbidity	**2.1**		NTU	0.10	0.07	1	277836	11/10/21 09:00	11/10/21 09:00	WWC
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,100**		mg/L	20		2	277859	11/11/21	11/12/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**7.2**		mg/L	0.6		1.1	277781	11/10/21	11/10/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	277730	11/10/21 08:49	11/15/21 09:45	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.077**		mg/L	0.040	0.027	1	277826	11/10/21 14:00	11/10/21 23:33	WWC
Method: TOTAL NITROGEN										
Total Nitrogen	**5.0**		mg/L			1	278349	11/18/21	11/18/21	SLL

H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC954485	**Batch:** 277652
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954485 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	11/09/21 16:00	11/09/21 17:32
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/09/21 16:00	11/09/21 17:32
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		11/09/21 16:00	11/09/21 17:32

Type: Lab Control Sample	**Lab ID:** QC954486	**Batch:** 277652
Matrix: Drinking Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954486 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	8.913	9.134	mg/L	98%		90-110
Nitrogen, Nitrate	9.123	9.036	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID:** QC954487	**Batch:** 277652
Matrix (Source ID): Drinking Water (453379-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954487 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.604	ND	9.134	mg/L	105%		80-120	1
Nitrogen, Nitrate	9.601	ND	9.036	mg/L	106%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC954488	**Batch:** 277652
Matrix (Source ID): Drinking Water (453379-002)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954488 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.756	ND	9.134	mg/L	107%		80-120	2	20	1
Nitrogen, Nitrate	9.594	ND	9.036	mg/L	106%		80-120	0	20	1

Type: Matrix Spike	**Lab ID:** QC954492	**Batch:** 277652
Matrix (Source ID): Drinking Water (453402-009)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954492 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	10.20	ND	9.134	mg/L	112%		80-120	1
Nitrogen, Nitrate	15.74	6.598	9.036	mg/L	101%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC954493**	**Batch:**	**277652**
Matrix (Source ID):	**Drinking Water (453402-009)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC954493 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	10.30	ND	9.134	mg/L	113%		80-120	1	20	1
Nitrogen, Nitrate	15.74	6.598	9.036	mg/L	101%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC954589**	**Batch:**	**277686**
Matrix:	**Sea Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954589 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	11/10/21	11/11/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC954590**	**Batch:**	**277686**
Matrix:	**Sea Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954590 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.5350	0.5000	mg/L	107%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC954591**	**Batch:**	**277686**
Matrix (Source ID):	**Water (453328-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954591 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.473	0.9581	0.5000	mg/L	103%		75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC954592**	**Batch:**	**277686**
Matrix (Source ID):	**Water (453328-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954592 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.508	0.9581	0.5000	mg/L	110%		75-125	2	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC954593**	**Batch:**	**277686**
Matrix (Source ID):	**Water (453340-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954593 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	1.838	1.316	0.5000	mg/L	104%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC954594**	**Batch:**	**277686**
Matrix (Source ID):	**Water (453340-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954594 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	1.897	1.316	0.5000	mg/L	116%		75-125	3	20	1

Type:	**Blank**	**Lab ID:**	**QC954703**	**Batch:**	**277730**
Matrix:	**Sea Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC954703 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/10/21 08:49	11/15/21 09:45

Type:	**Lab Control Sample**	**Lab ID:**	**QC954704**	**Batch:**	**277730**
Matrix:	**Sea Water**	**Method:**	**SM5210B**	**Prep Method:**	**METHOD**

QC954704 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	212.0	198.0	mg/L	107%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC954834**	**Batch:**	**277781**
Matrix:	**Water**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC954834 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/10/21	11/10/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC954835**	**Batch:**	**277781**
Matrix (Source ID):	**Water (453263-002)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC954835 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	377.5	375.0	mg/L		1	5	25

Type:	**Blank**	**Lab ID:**	**QC954971**	**Batch:**	**277826**
Matrix:	**Drinking Water**	**Method:**	**SM5540C**		

QC954971 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/10/21 14:00	11/10/21 23:33

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC954972 **Batch:** 277826
Matrix: Drinking Water **Method:** SM5540C

QC954972 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9780	1.000	mg/L	98%		90-110

Type: Matrix Spike **Lab ID:** QC954973 **Batch:** 277826
Matrix (Source ID): Water (453335-001) **Method:** SM5540C

QC954973 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.032	ND	1.000	mg/L	103%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC954974 **Batch:** 277826
Matrix (Source ID): Water (453335-001) **Method:** SM5540C

QC954974 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.038	ND	1.000	mg/L	104%		80-120	1	20	1

Type: Blank **Lab ID:** QC954988 **Batch:** 277834
Matrix: Water **Method:** SM 4500-CL-G

QC954988 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	11/10/21 17:04	11/10/21 17:04

Type: Lab Control Sample **Lab ID:** QC954989 **Batch:** 277834
Matrix: Water **Method:** SM 4500-CL-G

QC954989 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9690	1.000	mg/L	97%		80-120

Type: Sample Duplicate **Lab ID:** QC954990 **Batch:** 277834
Matrix (Source ID): Water (453358-001) **Method:** SM 4500-CL-G

QC954990 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Sample Duplicate		**Lab ID:** QC954992	**Batch:** 277836
Matrix (Source ID): Water (453334-001)		**Method:** SM2130B	

QC954992 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	0.1100	0.1090	NTU		1	20	1

Type: Sample Duplicate		**Lab ID:** QC955002	**Batch:** 277840
Matrix (Source ID): Drinking Water (453418-001)		**Method:** SM2120B	

QC955002 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate		**Lab ID:** QC955003	**Batch:** 277841
Matrix (Source ID): Drinking Water (453418-001)		**Method:** SM 2150B	

QC955003 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Blank	**Lab ID:** QC955045	**Batch:** 277859
Matrix: Sea Water	**Method:** SM2540C	**Prep Method:** METHOD

QC955045 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/11/21	11/12/21

Type: Lab Control Sample	**Lab ID:** QC955046	**Batch:** 277859
Matrix: Sea Water	**Method:** SM2540C	**Prep Method:** METHOD

QC955046 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	100.0	100.0	mg/L	100%		90-110

Type: Sample Duplicate	**Lab ID:** QC955047	**Batch:** 277859
Matrix (Source ID): Sea Water (453517-001)	**Method:** SM2540C	**Prep Method:** METHOD

QC955047 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	42,740	43470	mg/L		2	5	10

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC955300	Batch: 277956
Matrix: Sea Water	Method: SM 5310B	

QC955300 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	11/12/21	11/12/21

Type: Lab Control Sample	Lab ID: QC955301	Batch: 277956
Matrix: Sea Water	Method: SM 5310B	

QC955301 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.621	10.00	mg/L	96%		80-120

Type: Matrix Spike	Lab ID: QC955302	Batch: 277956
Matrix (Source ID): Water (453366-003)	Method: SM 5310B	

QC955302 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	89.10	2.927	80.00	mg/L	108%		80-120	8

Type: Matrix Spike Duplicate	Lab ID: QC955303	Batch: 277956
Matrix (Source ID): Water (453366-003)	Method: SM 5310B	

QC955303 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	93.84	2.927	80.00	mg/L	114%		80-120	5	20	8

Type: Blank	Lab ID: QC955329	Batch: 277966
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC955329 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	1.5	J	mg/L	5.0	0.50	11/12/21 15:00	11/13/21 01:50
Sulfate	ND		mg/L	1.0	0.25	11/12/21 15:00	11/13/21 01:50

Type: Lab Control Sample	Lab ID: QC955330	Batch: 277966
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC955330 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	102.6	100.0	mg/L	103%		90-110
Sulfate	47.75	50.00	mg/L	96%		90-110

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Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC955331**	**Batch:**	**277966**
Matrix (Source ID):	**Drinking Water (453380-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC955331 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	148.9	77.78	100.0	mg/L	71%	*	80-120	10
Sulfate	43.49	4.861	50.00	mg/L	77%	*	80-120	10

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC955332**	**Batch:**	**277966**
Matrix (Source ID):	**Drinking Water (453380-001)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC955332 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	161.4	77.78	100.0	mg/L	84%		80-120	8	20	10
Sulfate	50.25	4.861	50.00	mg/L	91%		80-120	14	20	10

Type:	**Sample Duplicate**	**Lab ID:**	**QC955419**	**Batch:**	**277997**
Matrix (Source ID):	**Water (453291-018)**	**Method:**	**SM 4500-H+ B**		

QC955419 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.320	7.330	SU		0	20	1
Temperature	22.00	22.00	deg C		0	20	1

Type:	**Blank**	**Lab ID:**	**QC955612**	**Batch:**	**278059**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC955612 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/15/21	11/15/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC955613**	**Batch:**	**278059**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC955613 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	34.50	40.00	mg/L	86%		78-114

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC955614**	**Batch:**	**278059**
Matrix:	**Water**	**Method:**	**EPA 1664A**	**Prep Method:**	**METHOD**

QC955614 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	34.80	40.00	mg/L	87%		78-114	1	18

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Batch QC

Type: Blank **Lab ID: QC955842** **Batch: 278142**
Matrix: Water **Method: SM 4500-NH3-G**

QC955842 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/16/21	11/16/21

Type: Lab Control Sample **Lab ID: QC955843** **Batch: 278142**
Matrix: Water **Method: SM 4500-NH3-G**

QC955843 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.667	2.500	mg/L	107%		80-120

Type: Matrix Spike **Lab ID: QC955844** **Batch: 278142**
Matrix (Source ID): Water (453358-001) **Method: SM 4500-NH3-G**

QC955844 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.863	0.1592	2.500	mg/L	108%		80-120	1

Type: Matrix Spike Duplicate **Lab ID: QC955845** **Batch: 278142**
Matrix (Source ID): Water (453358-001) **Method: SM 4500-NH3-G**

QC955845 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.417	0.1592	2.500	mg/L	90%		80-120	17	20	1

Type: Blank **Lab ID: QC956048** **Batch: 278199**
Matrix: Water **Method: SM 4500-NH3-G**

QC956048 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	0.016	J	mg/L	0.20	0.015	11/17/21	11/17/21

Type: Lab Control Sample **Lab ID: QC956049** **Batch: 278199**
Matrix: Water **Method: SM 4500-NH3-G**

QC956049 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.288	2.500	mg/L	92%		80-120

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Batch QC

Type: Matrix Spike **Lab ID: QC956050** **Batch: 278199**
Matrix (Source ID): Water (453290-007) **Method: SM 4500-NH3-G**

QC956050 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	16.17	3.392	12.50	mg/L	102%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID: QC956051** **Batch: 278199**
Matrix (Source ID): Water (453290-007) **Method: SM 4500-NH3-G**

QC956051 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	17.05	3.392	12.50	mg/L	109%		80-120	5	20	2.5

Type: Blank **Lab ID: QC956489** **Batch: 278345**
Matrix: Water **Method: SM 4500-P-B5-E**

QC956489 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/18/21	11/18/21

Type: Lab Control Sample **Lab ID: QC956490** **Batch: 278345**
Matrix: Water **Method: SM 4500-P-B5-E**

QC956490 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4230	0.4000	mg/L	106%		80-120

Type: Matrix Spike **Lab ID: QC956496** **Batch: 278345**
Matrix (Source ID): Water (453278-001) **Method: SM 4500-P-B5-E**

QC956496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.080	0.04500	1.000	mg/L	104%		75-125	2.5

Type: Matrix Spike Duplicate **Lab ID: QC956497** **Batch: 278345**
Matrix (Source ID): Water (453278-001) **Method: SM 4500-P-B5-E**

QC956497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.083	0.04500	1.000	mg/L	104%		75-125	0	20	2.5

Batch QC

* Value is outside QC limits
J Estimated value
ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

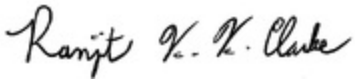
Lab Job Number:	453445
Report Level:	II
Report Date:	11/19/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu Q4

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 #:	453445
Project No:	MALIBU
Location:	Malibu Q4
Date Received:	11/10/21

Sample ID	Lab ID	Collected	Matrix
MCWP-MW04S	453445-001	11/10/21 12:55	Water
MCWP-MW04D	453445-002	11/10/21 13:15	Water
MCWD-MW07D	453445-003	11/10/21 10:35	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: 453445				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 - Q4
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	MC + LL

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Phosphorus	EPA 300.0:Cl,NO2,NO3,SO4	EPA 200.7(B)	SM 5310C TOC; BOD;TSS;TDS	pH;Residual Cl;MBAS;Turbity;Color;Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen			Test Instructions / Comments
~~SMBRP-9~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~MC~~
~~MCWP-MW09~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~MC~~
MCWP-MW04S	11/10/21	1255				X	X	X	X	X	X	X	X			
MCWP-MW04D	11/10/21	1315				X	X	X	X	X	X	X	X			
MCWD-MW07D	11/10/21	1035				X	X	X	X	X	X	X	X			
~~SMBRP-12~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~MC~~
						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			~~MC~~

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michelle Carter	RINCON CONSULTANTS	11/10/21 / 1411
[1] Received By:			EA	11/10/21 1411
[2] Relinquished By:			EA	11/10/21 1719
[2] Received By:		Elizabeth Ramirez	EA	11/10/21 1719.
[3] Relinquished By:				

2.51.28

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc. Project: Malibu - Q4

Date Received: 11/10/21 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: 2.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.3 #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: 11/10/21

ENTHALPY ANALYTICAL

Analysis Results for 453445

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 453445
Project No: MALIBU
Location: Malibu Q4
Date Received: 11/10/21

Sample ID: MCWP-MW04S **Lab ID: 453445-001** **Collected: 11/10/21 12:55**
Matrix: Water

453445-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	278252	11/16/21	11/17/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**2.3**		mg/L	0.050	0.0080	1	277763	11/10/21	11/11/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**590**		mg/L	250	25	50	277685	11/10/21 18:00	11/10/21 23:23	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277685	11/10/21 18:00	11/10/21 22:21	JCP
Nitrogen, Nitrate	**0.90**		mg/L	0.10	0.05	1	277685	11/10/21 18:00	11/10/21 22:21	JCP
Sulfate	**3,100**		mg/L	50	13	50	277685	11/10/21 18:00	11/10/21 23:23	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.84**		mg/L	0.40	0.030	1	278201	11/17/21	11/17/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.71**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277843	11/11/21 09:00	11/11/21 09:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277883	11/11/21 17:53	11/11/21 17:53	WWC
Method: SM 4500-H+ B										
pH	**7.39**	H	SU			1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Temperature	**23.50**	H	deg C	1.00		1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.13**		mg/L	0.10	0.010	1	278142	11/16/21	11/16/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.56**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 5310B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453445

453445-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Total Organic Carbon	**12**		mg/L	1.0	0.18	1	277956	11/12/21	11/12/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**2.0**		MPN/100ml	1.0		1	277818	11/10/21 18:00	11/11/21 16:09	SZL
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277818	11/10/21 18:00	11/11/21 16:09	SZL
Method: SM2120B										
Color	ND		ColorUnits	5		1	277842	11/11/21 09:00	11/11/21 09:00	WWC
Method: SM2130B										
Turbidity	**3.6**		NTU	0.10	0.07	1	277877	11/11/21 16:54	11/11/21 16:54	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**5,200**		mg/L	20		2	278006	11/13/21	11/14/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**3.2**		mg/L	0.6		1.1	278050	11/12/21	11/12/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	277788	11/10/21 19:15	11/15/21 11:40	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.072**		mg/L	0.040	0.027	1	277826	11/10/21 14:00	11/10/21 23:33	WWC
Method: TOTAL NITROGEN										
Total Nitrogen	**1.7**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453445

Sample ID: MCWP-MW04D	Lab ID: 453445-002	Collected: 11/10/21 13:15
	Matrix: Water	

453445-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	278252	11/16/21	11/17/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.83**		mg/L	0.050	0.0080	1	277763	11/10/21	11/11/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**260**		mg/L	100	10	20	277685	11/10/21 18:00	11/10/21 23:44	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277685	11/10/21 18:00	11/10/21 22:41	JCP
Nitrogen, Nitrate	**1.3**		mg/L	0.10	0.05	1	277685	11/10/21 18:00	11/10/21 22:41	JCP
Sulfate	**560**		mg/L	20	5.0	20	277685	11/10/21 18:00	11/10/21 23:44	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.058**	J	mg/L	0.40	0.030	1	278201	11/17/21	11/17/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.0090**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277843	11/11/21 09:00	11/11/21 09:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277883	11/11/21 17:53	11/11/21 17:53	WWC
Method: SM 4500-H+ B										
pH	**7.03**	H	SU			1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Temperature	**23.60**	H	deg C	1.00		1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.049**	J	mg/L	0.10	0.010	1	278142	11/16/21	11/16/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.048**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	**1.6**		mg/L	1.0	0.18	1	277956	11/12/21	11/12/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	277818	11/10/21 18:00	11/11/21 16:09	SZL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453445

453445-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**3.1**		MPN/100ml	1.0		1	277818	11/10/21 18:00	11/11/21 16:09	SZL
Method: SM2120B										
Color	ND		ColorUnits	5		1	277842	11/11/21 09:00	11/11/21 09:00	WWC
Method: SM2130B										
Turbidity	**0.20**		NTU	0.10	0.07	1	277877	11/11/21 16:54	11/11/21 16:54	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,600**		mg/L	20		2	278006	11/13/21	11/14/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	ND		mg/L	0.6		1.1	278050	11/12/21	11/12/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	277788	11/10/21 19:12	11/15/21 11:40	ECC
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	277826	11/10/21 14:00	11/10/21 23:33	WWC
Method: TOTAL NITROGEN										
Total Nitrogen	**1.4**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453445

Sample ID: MCWD-MW07D	Lab ID: 453445-003	Collected: 11/10/21 10:35
	Matrix: Water	

453445-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	278252	11/16/21	11/17/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.64**		mg/L	0.050	0.0080	1	277763	11/10/21	11/11/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**360**		mg/L	100	10	20	277685	11/10/21 18:00	11/11/21 00:04	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277685	11/10/21 18:00	11/10/21 23:02	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	277685	11/10/21 18:00	11/10/21 23:02	JCP
Sulfate	**1,100**		mg/L	20	5.0	20	277685	11/10/21 18:00	11/11/21 00:04	JCP
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.33**	J	mg/L	0.40	0.030	1	278201	11/17/21	11/17/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.13**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277843	11/11/21 09:00	11/11/21 09:00	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277883	11/11/21 17:53	11/11/21 17:53	WWC
Method: SM 4500-H+ B										
pH	**7.05**	H	SU			1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Temperature	**23.60**	H	deg C	1.00		1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.20**		mg/L	0.10	0.010	1	278142	11/16/21	11/16/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	**2.0**		mg/L	1.0	0.18	1	277956	11/12/21	11/12/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**3.1**		MPN/100ml	1.0		1	277818	11/10/21 18:00	11/11/21 16:09	SZL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453445

453445-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277818	11/10/21 18:00	11/11/21 16:09	SZL
Method: SM2120B										
Color	ND		ColorUnits	5		1	277842	11/11/21 09:00	11/11/21 09:00	WWC
Method: SM2130B										
Turbidity	**3.6**		NTU	0.10	0.07	1	277877	11/11/21 16:54	11/11/21 16:54	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**2,600**		mg/L	20		2	278006	11/13/21	11/14/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**5.2**		mg/L	0.6		1.1	278050	11/12/21	11/12/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	277788	11/10/21 19:18	11/15/21 11:40	ECC
Method: SM5540C										
Surfactants (MBAS)	**0.028**	J	mg/L	0.040	0.027	1	277826	11/10/21 14:00	11/10/21 23:33	WWC
Method: TOTAL NITROGEN										
Total Nitrogen	**0.33**		mg/L			1	278349	11/18/21	11/18/21	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC954685	**Batch:** 277685
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954685 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.50	11/10/21 01:40	11/10/21 02:07
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	11/10/21 01:40	11/10/21 02:07
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/10/21 01:40	11/10/21 02:07
Sulfate	ND		mg/L	1.0	0.25	11/10/21 01:40	11/10/21 02:07

Type: Lab Control Sample	**Lab ID:** QC954686	**Batch:** 277685
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954686 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	102.0	100.0	mg/L	102%		90-110
Nitrogen, Nitrite	9.058	9.134	mg/L	99%		90-110
Nitrogen, Nitrate	9.059	9.036	mg/L	100%		90-110
Sulfate	49.14	50.00	mg/L	98%		90-110

Type: Matrix Spike	**Lab ID:** QC954687	**Batch:** 277685
Matrix (Source ID): Water (453359-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954687 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	106.2	3.688	100.0	mg/L	102%		80-120	1
Nitrogen, Nitrite	9.376	ND	9.134	mg/L	103%		80-120	1
Nitrogen, Nitrate	9.587	0.1779	9.036	mg/L	104%		80-120	1
Sulfate	52.39	1.711	50.00	mg/L	101%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID:** QC954688	**Batch:** 277685
Matrix (Source ID): Water (453359-001)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC954688 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	107.3	3.688	100.0	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrite	9.494	ND	9.134	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrate	9.590	0.1779	9.036	mg/L	104%		80-120	0	20	1
Sulfate	51.88	1.711	50.00	mg/L	100%		80-120	1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC954689**	**Batch:**	**277685**
Matrix (Source ID):	**Water (453359-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC954689 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	102.7	3.702	100.0	mg/L	99%		80-120	1
Nitrogen, Nitrite	9.248	ND	9.134	mg/L	101%		80-120	1
Nitrogen, Nitrate	9.244	0.2272	9.036	mg/L	100%		80-120	1
Sulfate	49.54	1.046	50.00	mg/L	97%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC954690**	**Batch:**	**277685**
Matrix (Source ID):	**Water (453359-004)**	**Method:**	**EPA 300.0**	**Prep Method:**	**METHOD**

QC954690 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	105.0	3.702	100.0	mg/L	101%		80-120	2	20	1
Nitrogen, Nitrite	9.336	ND	9.134	mg/L	102%		80-120	1	20	1
Nitrogen, Nitrate	9.497	0.2272	9.036	mg/L	103%		80-120	3	20	1
Sulfate	49.79	1.046	50.00	mg/L	97%		80-120	0	20	1

Type:	**Blank**	**Lab ID:**	**QC954789**	**Batch:**	**277763**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954789 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	0.063		mg/L	0.050	0.0080	11/10/21	11/11/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC954790**	**Batch:**	**277763**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954790 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.5415	0.5000	mg/L	108%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC954791**	**Batch:**	**277763**
Matrix (Source ID):	**Water (453461-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC954791 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	0.7781	0.1967	0.5000	mg/L	116%		75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC954792**
Matrix (Source ID):	**Water (453461-001)**	**Method:**	**EPA 200.7**
Batch:	**277763**		
Prep Method:	**EPA 200.7**		

QC954792 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	0.7867	0.1967	0.5000	mg/L	118%		75-125	1	20	1

Type:	**Matrix Spike**	**Lab ID:**	**QC954793**
Matrix (Source ID):	**Water (453470-001)**	**Method:**	**EPA 200.7**
Batch:	**277763**		
Prep Method:	**EPA 200.7**		

QC954793 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	5.433	4.717	0.5000	mg/L	143%	NM	75-125	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC954794**
Matrix (Source ID):	**Water (453470-001)**	**Method:**	**EPA 200.7**
Batch:	**277763**		
Prep Method:	**EPA 200.7**		

QC954794 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	5.416	4.717	0.5000	mg/L	140%	NM	75-125	0	20	1

Type:	**Blank**	**Lab ID:**	**QC954860**
Matrix:	**Water**	**Method:**	**SM5210B**
Batch:	**277788**		
Prep Method:	**METHOD**		

QC954860 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/10/21 17:25	11/15/21 11:40

Type:	**Lab Control Sample**	**Lab ID:**	**QC954861**
Matrix:	**Water**	**Method:**	**SM5210B**
Batch:	**277788**		
Prep Method:	**METHOD**		

QC954861 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	204.0	198.0	mg/L	103%		84.6-115.4

Type:	**Blank**	**Lab ID:**	**QC954971**
Matrix:	**Drinking Water**	**Method:**	**SM5540C**
Batch:	**277826**		

QC954971 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/10/21 14:00	11/10/21 23:33

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample **Lab ID:** QC954972 **Batch:** 277826
Matrix: Drinking Water **Method:** SM5540C

QC954972 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	0.9780	1.000	mg/L	98%		90-110

Type: Matrix Spike **Lab ID:** QC954973 **Batch:** 277826
Matrix (Source ID): Water (453335-001) **Method:** SM5540C

QC954973 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.032	ND	1.000	mg/L	103%		80-120	1

Type: Matrix Spike Duplicate **Lab ID:** QC954974 **Batch:** 277826
Matrix (Source ID): Water (453335-001) **Method:** SM5540C

QC954974 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.038	ND	1.000	mg/L	104%		80-120	1	20	1

Type: Sample Duplicate **Lab ID:** QC955004 **Batch:** 277842
Matrix (Source ID): Water (453445-003) **Method:** SM2120B

QC955004 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type: Sample Duplicate **Lab ID:** QC955005 **Batch:** 277843
Matrix (Source ID): Water (453445-003) **Method:** SM 2150B

QC955005 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type: Sample Duplicate **Lab ID:** QC955017 **Batch:** 277850
Matrix (Source ID): Water (453445-001) **Method:** SM 4500-H+ B

QC955017 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.480	7.390	SU		1	20	1
Temperature	23.70	23.50	deg C		1	20	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC955090**	**Batch:**	**277877**
Matrix (Source ID):	**Water (453445-001)**	**Method:**	**SM2130B**		

QC955090 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	3.480	3.550	NTU		2	20	1

Type:	**Blank**	**Lab ID:**	**QC955098**	**Batch:**	**277883**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC955098 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	11/11/21 17:53	11/11/21 17:53

Type:	**Lab Control Sample**	**Lab ID:**	**QC955099**	**Batch:**	**277883**
Matrix:	**Water**	**Method:**	**SM 4500-CL-G**		

QC955099 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9940	1.000	mg/L	99%		80-120

Type:	**Sample Duplicate**	**Lab ID:**	**QC955100**	**Batch:**	**277883**
Matrix (Source ID):	**Water (453445-002)**	**Method:**	**SM 4500-CL-G**		

QC955100 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type:	**Blank**	**Lab ID:**	**QC955300**	**Batch:**	**277956**
Matrix:	**Sea Water**	**Method:**	**SM 5310B**		

QC955300 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	0.30	0.18	11/12/21	11/12/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC955301**	**Batch:**	**277956**
Matrix:	**Sea Water**	**Method:**	**SM 5310B**		

QC955301 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.621	10.00	mg/L	96%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type: Matrix Spike	Lab ID: QC955302	Batch: 277956
Matrix (Source ID): Water (453366-003)	Method: SM 5310B	

QC955302 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	89.10	2.927	80.00	mg/L	108%		80-120	8

Type: Matrix Spike Duplicate	Lab ID: QC955303	Batch: 277956
Matrix (Source ID): Water (453366-003)	Method: SM 5310B	

QC955303 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	93.84	2.927	80.00	mg/L	114%		80-120	5	20	8

Type: Blank	Lab ID: QC955442	Batch: 278006
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC955442 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/13/21	11/14/21

Type: Lab Control Sample	Lab ID: QC955443	Batch: 278006
Matrix: Drinking Water	Method: SM2540C	Prep Method: METHOD

QC955443 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	100.0	100.0	mg/L	100%		90-110

Type: Sample Duplicate	Lab ID: QC955444	Batch: 278006
Matrix (Source ID): Water (453601-002)	Method: SM2540C	Prep Method: METHOD

QC955444 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	13,200	13250	mg/L		0	5	2

Type: Blank	Lab ID: QC955591	Batch: 278050
Matrix: Water	Method: SM2540D	Prep Method: METHOD

QC955591 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	5.0		11/12/21	11/12/21

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC955592**	**Batch:**	**278050**
Matrix (Source ID):	**Water (453436-001)**	**Method:**	**SM2540D**	**Prep Method:**	**METHOD**

QC955592 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	90.00	90.00	mg/L		0	5	5

Type:	**Blank**	**Lab ID:**	**QC955842**	**Batch:**	**278142**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC955842 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/16/21	11/16/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC955843**	**Batch:**	**278142**
Matrix:	**Water**	**Method:**	**SM 4500-NH3-G**		

QC955843 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.667	2.500	mg/L	107%		80-120

Type:	**Matrix Spike**	**Lab ID:**	**QC955844**	**Batch:**	**278142**
Matrix (Source ID):	**Water (453358-001)**	**Method:**	**SM 4500-NH3-G**		

QC955844 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	2.863	0.1592	2.500	mg/L	108%		80-120	1

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC955845**	**Batch:**	**278142**
Matrix (Source ID):	**Water (453358-001)**	**Method:**	**SM 4500-NH3-G**		

QC955845 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	2.417	0.1592	2.500	mg/L	90%		80-120	17	20	1

Type:	**Blank**	**Lab ID:**	**QC956056**	**Batch:**	**278201**
Matrix:	**Water**	**Method:**	**EPA 351.2**	**Prep Method:**	**METHOD**

QC956056 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/17/21	11/17/21

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID:** QC956057	**Batch:** 278201
Matrix: Water	**Method:** EPA 351.2	**Prep Method:** METHOD

QC956057 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.386	2.500	mg/L	95%		90-110

Type: Matrix Spike	**Lab ID:** QC956058	**Batch:** 278201
Matrix (Source ID): Water (453522-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC956058 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.91	3.208	12.50	mg/L	102%		90-110	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC956059	**Batch:** 278201
Matrix (Source ID): Water (453522-001)	**Method:** EPA 351.2	**Prep Method:** METHOD

QC956059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.37	3.208	12.50	mg/L	97%		90-110	3	20	2.5

Type: Blank	**Lab ID:** QC956164	**Batch:** 278252
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC956164 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/16/21	11/17/21

Type: Lab Control Sample	**Lab ID:** QC956165	**Batch:** 278252
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC956165 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.40	40.00	mg/L	89%		78-114

Type: Lab Control Sample Duplicate	**Lab ID:** QC956166	**Batch:** 278252
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC956166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.90	40.00	mg/L	95%		78-114	7	18

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC956489	**Batch:** 278345
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC956489 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/18/21	11/18/21

Type: Lab Control Sample	**Lab ID:** QC956490	**Batch:** 278345
Matrix: Water	**Method:** SM 4500-P-B5-E	

QC956490 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4230	0.4000	mg/L	106%		80-120

Type: Matrix Spike	**Lab ID:** QC956496	**Batch:** 278345
Matrix (Source ID): Water (453278-001)	**Method:** SM 4500-P-B5-E	

QC956496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.080	0.04500	1.000	mg/L	104%		75-125	2.5

Type: Matrix Spike Duplicate	**Lab ID:** QC956497	**Batch:** 278345
Matrix (Source ID): Water (453278-001)	**Method:** SM 4500-P-B5-E	

QC956497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.083	0.04500	1.000	mg/L	104%		75-125	0	20	2.5

ND Not Detected
NM Not Meaningful

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

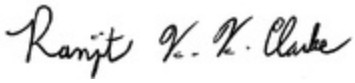
Lab Job Number: 453520
Report Level: II
Report Date: 11/22/2021

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 #: 453520
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/11/21

Sample ID	Lab ID	Collected	Matrix
N-001	453520-001	11/11/21 09:25	Water
N-002	453520-002	11/11/21 09:41	Water
N-003	453520-003	11/11/21 09:58	Water
N-004	453520-004	11/11/21 11:48	Water
L-001	453520-005	11/11/21 10:55	Water
L-002	453520-006	11/11/21 11:30	Water
L-003	453520-007	11/11/21 11:14	Water
L-004	453520-008	11/11/21 10:34	Water
L-005	453520-009	11/11/21 10:07	Water
L-006	453520-010	11/11/21 10:23	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: 453520				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 300.0: NO2,NO3	TKN; NH3; Phosphorus, Organic Nitrogen	Test Instructions / Comments
N-001	11/11/21	9:25	WW	5		X	X	X	
N-002		9:41				X	X	X	
N-003		9:58				X	X	X	
N-004		11:48				X	X	X	
L-001		10:55				X	X	X	
L-002		11:30				X	X	X	
L-003		11:14				X	X	X	
L-004		10:34				X	X	X	
L-005		10:07				X	X	X	
L-006		10:23				X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Lindsey Stockton	Rincon/Biologist	11/11/21 1330
[1] Received By:		Ricardo Serrano	FEA	11/11/21 1730
[2] Relinquished By:		Ricardo Serrano	FEA	11/11/21 1545
[2] Received By:		Fedex	ST	11/11/21 1545
[3] Relinquished By:				
[3] Received By:				

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ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: MALIBU - QUARTERLY/SEMI-ANNUAL

Date Received: 11/10/21 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: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/10/21

ENTHALPY ANALYTICAL

Analysis Results for 453520

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 453520
Project No: MALIBU
Location: Malibu - Quarterly/Semi-Annual
Date Received: 11/11/21

Sample ID: N-001 **Lab ID: 453520-001** **Collected: 11/11/21 09:25**
Matrix: Water

453520-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	277801	11/11/21 18:00	11/11/21 20:08	JCP
Nitrogen, Nitrate	ND		mg/L	2.0	0.92	20	277801	11/11/21 18:00	11/11/21 20:08	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	2.0		20	277801	11/11/21 18:00	11/11/21 20:08	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.49**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.49**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.29**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**150**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.49**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453520

Sample ID: N-002	Lab ID: 453520-002	Collected: 11/11/21 09:41
	Matrix: Water	

453520-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	277801	11/11/21 18:00	11/11/21 20:29	JCP
Nitrogen, Nitrate	ND		mg/L	2.0	0.92	20	277801	11/11/21 18:00	11/11/21 20:29	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	2.0		20	277801	11/11/21 18:00	11/11/21 20:29	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.45**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.45**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.068**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**390**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.45**		mg/L			1	278349	11/18/21	11/18/21	SLL

Sample ID: N-003	Lab ID: 453520-003	Collected: 11/11/21 09:58
	Matrix: Water	

453520-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	277801	11/11/21 18:00	11/11/21 21:31	JCP
Nitrogen, Nitrate	ND		mg/L	2.0	0.92	20	277801	11/11/21 18:00	11/11/21 21:31	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	2.0		20	277801	11/11/21 18:00	11/11/21 21:31	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.32**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.24**		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.56**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.28**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.56**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453520

Sample ID: N-004	Lab ID: 453520-004	Collected: 11/11/21 11:48
	Matrix: Water	

453520-004 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	2.0	0.24	20	277801	11/11/21 18:00	11/11/21 21:52	JCP
Nitrogen, Nitrate	ND		mg/L	2.0	0.92	20	277801	11/11/21 18:00	11/11/21 21:52	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	2.0		20	277801	11/11/21 18:00	11/11/21 21:52	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.39**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.018**	J	mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.41**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.069**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**340**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.41**		mg/L			1	278349	11/18/21	11/18/21	SLL

Sample ID: L-001	Lab ID: 453520-005	Collected: 11/11/21 10:55
	Matrix: Water	

453520-005 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	0.12	10	277801	11/11/21 18:00	11/11/21 22:13	JCP
Nitrogen, Nitrate	ND		mg/L	1.0	0.46	10	277801	11/11/21 18:00	11/11/21 22:13	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	277801	11/11/21 18:00	11/11/21 22:13	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.51**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.51**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.095**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**210**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.51**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453520

Sample ID: L-002	Lab ID: 453520-006	Collected: 11/11/21 11:30
	Matrix: Water	

453520-006 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.12	10	277801	11/11/21 18:00	11/11/21 22:34	JCP
Nitrogen, Nitrate	ND		mg/L	1.0	0.46	10	277801	11/11/21 18:00	11/11/21 22:34	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	277801	11/11/21 18:00	11/11/21 22:34	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.64**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.64**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.070**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**200**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.64**		mg/L			1	278349	11/18/21	11/18/21	SLL

Sample ID: L-003	Lab ID: 453520-007	Collected: 11/11/21 11:14
	Matrix: Water	

453520-007 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.12	10	277801	11/11/21 18:00	11/11/21 22:54	JCP
Nitrogen, Nitrate	ND		mg/L	1.0	0.46	10	277801	11/11/21 18:00	11/11/21 22:54	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	277801	11/11/21 18:00	11/11/21 22:54	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.65**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	ND		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.65**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.043**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**160**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.65**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453520

Sample ID: L-004	Lab ID: 453520-008	Collected: 11/11/21 10:34
	Matrix: Water	

453520-008 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.12	10	277801	11/11/21 18:00	11/11/21 23:15	JCP
Nitrogen, Nitrate	ND		mg/L	1.0	0.46	10	277801	11/11/21 18:00	11/11/21 23:15	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	277801	11/11/21 18:00	11/11/21 23:15	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.88**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.12**		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**1.0**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.12**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1,000**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**1.0**		mg/L			1	278349	11/18/21	11/18/21	SLL

Sample ID: L-005	Lab ID: 453520-009	Collected: 11/11/21 10:07
	Matrix: Water	

453520-009 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.12	10	277801	11/11/21 18:00	11/11/21 23:36	JCP
Nitrogen, Nitrate	ND		mg/L	1.0	0.46	10	277801	11/11/21 18:00	11/11/21 23:36	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	277801	11/11/21 18:00	11/11/21 23:36	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.70**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.12**		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.82**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.044**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**150**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.82**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453520

Sample ID: L-006	Lab ID: 453520-010	Collected: 11/11/21 10:23
	Matrix: Water	

453520-010 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 300.0 Prep Method: METHOD										
Nitrogen, Nitrite	ND		mg/L	1.0	0.12	10	277801	11/11/21 18:00	11/11/21 23:57	JCP
Nitrogen, Nitrate	ND		mg/L	1.0	0.46	10	277801	11/11/21 18:00	11/11/21 23:57	JCP
Nitrogen, Nitrate/Nitrite	ND		mg/L	1.0		10	277801	11/11/21 18:00	11/11/21 23:57	JCP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.61**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 4500-NH3-G										
Ammonia-N	**0.086**	J	mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Nitrogen, Total Kjeldahl	**0.70**		mg/L	0.40	0.030	1	278200	11/17/21	11/17/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.055**		mg/L	0.020	0.010	1	278345	11/18/21	11/18/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**99**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	**>2,400**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: TOTAL NITROGEN										
Total Nitrogen	**0.70**		mg/L			1	278349	11/18/21	11/18/21	SLL

< Value is less than indicated concentration
> Value exceeds indicated concentration
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC954909	Batch: 277801
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC954909 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	11/11/21 09:00	11/11/21 17:02
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/11/21 09:00	11/11/21 17:02
Nitrogen, Nitrate/Nitrite	ND		mg/L	0.10		11/11/21 09:00	11/11/21 17:02

Type: Lab Control Sample	Lab ID: QC954910	Batch: 277801
Matrix: Water	Method: EPA 300.0	Prep Method: METHOD

QC954910 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Nitrite	9.117	9.134	mg/L	100%		90-110
Nitrogen, Nitrate	9.098	9.036	mg/L	101%		90-110

Type: Matrix Spike	Lab ID: QC954975	Batch: 277801
Matrix (Source ID): Water (453476-004)	Method: EPA 300.0	Prep Method: METHOD

QC954975 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.674	ND	9.134	mg/L	106%		80-120	1
Nitrogen, Nitrate	13.15	3.951	9.036	mg/L	102%		80-120	1

Type: Matrix Spike Duplicate	Lab ID: QC954976	Batch: 277801
Matrix (Source ID): Water (453476-004)	Method: EPA 300.0	Prep Method: METHOD

QC954976 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.939	ND	9.134	mg/L	109%		80-120	3	20	1
Nitrogen, Nitrate	13.37	3.951	9.036	mg/L	104%		80-120	2	20	1

Type: Matrix Spike	Lab ID: QC954977	Batch: 277801
Matrix (Source ID): Water (453476-006)	Method: EPA 300.0	Prep Method: METHOD

QC954977 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Nitrite	9.845	ND	9.134	mg/L	108%		80-120	1
Nitrogen, Nitrate	15.68	6.703	9.036	mg/L	99%		80-120	1

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Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC954978	Batch: 277801
Matrix (Source ID): Water (453476-006)	Method: EPA 300.0	Prep Method: METHOD

QC954978 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Nitrite	9.890	ND	9.134	mg/L	108%		80-120	0	20	1
Nitrogen, Nitrate	15.78	6.703	9.036	mg/L	100%		80-120	1	20	1

Type: Blank	Lab ID: QC955856	Batch: 278145
Matrix: Water	Method: SM 4500-NH3-G	

QC955856 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/16/21	11/16/21

Type: Lab Control Sample	Lab ID: QC955857	Batch: 278145
Matrix: Water	Method: SM 4500-NH3-G	

QC955857 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.637	2.500	mg/L	105%		80-120

Type: Matrix Spike	Lab ID: QC955858	Batch: 278145
Matrix (Source ID): Water (453509-001)	Method: SM 4500-NH3-G	

QC955858 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	28.19	2.120	25.00	mg/L	104%		80-120	10

Type: Matrix Spike Duplicate	Lab ID: QC955859	Batch: 278145
Matrix (Source ID): Water (453509-001)	Method: SM 4500-NH3-G	

QC955859 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	28.53	2.120	25.00	mg/L	106%		80-120	1	20	10

Type: Blank	Lab ID: QC956052	Batch: 278200
Matrix: Water	Method: SM 4500-NH3-G	

QC956052 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/17/21	11/17/21

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Batch QC

Type: Lab Control Sample **Lab ID:** QC956053 **Batch:** 278200
Matrix: Water **Method:** SM 4500-NH3-G

QC956053 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.772	2.500	mg/L	111%		80-120

Type: Matrix Spike **Lab ID:** QC956054 **Batch:** 278200
Matrix (Source ID): Water (453520-001) **Method:** SM 4500-NH3-G

QC956054 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	11.89	0.4895	12.50	mg/L	91%		80-120	2.5

Type: Matrix Spike Duplicate **Lab ID:** QC956055 **Batch:** 278200
Matrix (Source ID): Water (453520-001) **Method:** SM 4500-NH3-G

QC956055 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	13.27	0.4895	12.50	mg/L	102%		80-120	11	20	2.5

Type: Blank **Lab ID:** QC956489 **Batch:** 278345
Matrix: Water **Method:** SM 4500-P-B5-E

QC956489 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/18/21	11/18/21

Type: Lab Control Sample **Lab ID:** QC956490 **Batch:** 278345
Matrix: Water **Method:** SM 4500-P-B5-E

QC956490 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4230	0.4000	mg/L	106%		80-120

Type: Matrix Spike **Lab ID:** QC956496 **Batch:** 278345
Matrix (Source ID): Water (453278-001) **Method:** SM 4500-P-B5-E

QC956496 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.080	0.04500	1.000	mg/L	104%		75-125	2.5

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC956497**	**Batch:**	**278345**
Matrix (Source ID):	**Water (453278-001)**	**Method:**	**SM 4500-P-B5-E**		

QC956497 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.083	0.04500	1.000	mg/L	104%		75-125	0	20	2.5

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

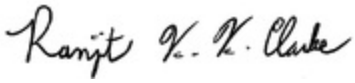
Lab Job Number: 453522
Report Level: II
Report Date: 11/18/2021

Analytical Report *prepared for:*

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Project: MALIBU - Malibu-Q4

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

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Sample Summary

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #:	453522
Project No:	MALIBU
Location:	Malibu-Q4
Date Received:	11/11/21

Sample ID	Lab ID	Collected	Matrix
SMBRP-9	453522-001	11/11/21 12:30	Water
MCWP-MW09	453522-002	11/11/21 10:50	Water
SMBRP-12	453522-003	11/11/21 10:15	Water

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868 Phone: (714) 771-6900 Fax: (714) 538-1209 Billing: Enthalpy - SoCal c/o Montrose Environmental Group 1 Park Plaza, Suite 1000, Irvine, CA 92614	Lab No: 453522 Page: 1 of 1 **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	Standard: X 4 Day: 3 Day: 2 Day: 1 Day: Same Day: **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 - Q4
Report To:	Kiernan Brtalik	Number:	
Email:	kbrtalik@rinconconsultants.com	P.O. #:	20-09665
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Phosphorus	EPA 300.0:Cl,NO2,NO3,SO4	EPA 200.7(B)	SM 5310C TOC; BOD;TSS;TDS	pH;Residual Cl;MBAS;Turbity;Color;Odor	EPA 1664A Oil & Grease	Organic Nitrogen, Total Nitrogen	Test Instructions / Comments
SMBRP-9	11/11/21	1230	W	11		X	X	X	X	X	X	X	X	
MCWP-MW09	11/11/21	1050	W	11		X	X	X	X	X	X	X	X	
~~MCWP-MW04S~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	X	X	X	→ MC
~~MCWP-MW04D~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	→ MC
~~MCWD-MW07B~~						~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	→ MC
SMBRP-12	11/11/21	1015	W	11		X	X	X	X	X	X	X	X	
						X	X	X	X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		LANDON LUJAN	RINCON CONSULTANTS	11/11/21 1330
[1] Received By:			ENA	11/11/21 1736
[2] Relinquished By:			ENA	11/11/21 1845
[2] Received By:			ENA	11/12/21 1545
[3] Relinquished By:				3.4/23

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON CONSULTANTS Project: MALIBU - Q4

Date Received: 11/11/21 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: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.3 #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

Sampling times on the containers for samples 001, "SMBRP-9", and 002 "MCWPAMW09" are switched from what they are on the COC. We labeled according to sample ID. - Geena Sylvestri 11/11/21

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): RKC / 11/11/21

Project Manager's response:

Completed By: _____ Date: 11/11/21

ENTHALPY ANALYTICAL

Analysis Results for 453522

Kiernan Brtalik
Rincon Consultants - Ventura
180 North Ashwood Ave.
Ventura, CA 93003

Lab Job #: 453522
Project No: MALIBU
Location: Malibu-Q4
Date Received: 11/11/21

Sample ID: SMBRP-9 **Lab ID: 453522-001** **Collected: 11/11/21 12:30**
Matrix: Water

453522-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	**3.2**	J	mg/L	5.9	1.6	1.2	278251	11/16/21	11/17/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.97**		mg/L	0.050	0.0080	1	277918	11/12/21	11/18/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**1,500**		mg/L	100	10	20	278224	11/17/21 10:00	11/17/21 14:58	CSC
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277801	11/11/21 18:00	11/11/21 19:06	JCP
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	1	277801	11/11/21 18:00	11/11/21 19:06	JCP
Sulfate	**690**		mg/L	20	5.0	20	278224	11/17/21 10:00	11/17/21 14:58	CSC
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**3.2**		mg/L	0.40	0.030	1	278201	11/17/21	11/17/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.30**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277885	11/11/21 18:54	11/11/21 18:54	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277883	11/11/21 17:53	11/11/21 17:53	WWC
Method: SM 4500-H+ B										
pH	**7.07**	H	SU			1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Temperature	**23.60**	H	deg C	1.00		1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**2.9**		mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.16**		mg/L	0.020	0.010	1	278346	11/18/21	11/18/21	ATP
Method: SM 5310B										

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453522

453522-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Total Organic Carbon	**3.0**		mg/L	1.0	0.18	1	278191	11/16/21	11/17/21	ATP
Method: SM 9223Bb										
Fecal Coliform	<1.0		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Coliform, Total	<1.0		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	277884	11/11/21 18:54	11/11/21 18:54	WWC
Method: SM2130B										
Turbidity	**4.2**		NTU	0.10	0.07	1	277877	11/11/21 16:54	11/11/21 16:54	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,400**		mg/L	20		2	278008	11/13/21	11/14/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**4.6**		mg/L	0.6		1.1	278052	11/12/21	11/12/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	277946	11/12/21 09:45	11/17/21 09:45	MMP
Method: SM5540C										
Surfactants (MBAS)	ND		mg/L	0.040	0.027	1	277984	11/12/21 17:00	11/12/21 20:03	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**3.2**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 453522

Sample ID: MCWP-MW09	Lab ID: 453522-002	Collected: 11/11/21 10:50
	Matrix: Water	

453522-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	278252	11/16/21	11/17/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.66**		mg/L	0.050	0.0080	1	277918	11/12/21	11/18/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**160**		mg/L	5.0	0.50	1	277801	11/11/21 18:00	11/11/21 19:27	JCP
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277801	11/11/21 18:00	11/11/21 19:27	JCP
Nitrogen, Nitrate	**9.3**		mg/L	0.10	0.05	1	277801	11/11/21 18:00	11/11/21 19:27	JCP
Sulfate	**220**		mg/L	5.0	1.3	5	278224	11/17/21 10:00	11/17/21 15:19	CSC
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**0.23**	J	mg/L	0.40	0.030	1	278201	11/17/21	11/17/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.19**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277885	11/11/21 18:54	11/11/21 18:54	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277883	11/11/21 17:53	11/11/21 17:53	WWC
Method: SM 4500-H+ B										
pH	**7.16**	H	SU			1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Temperature	**23.60**	H	deg C	1.00		1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**0.038**	J	mg/L	0.10	0.010	1	278145	11/16/21	11/16/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.20**		mg/L	0.020	0.010	1	278346	11/18/21	11/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	**2.8**		mg/L	1.0	0.18	1	278191	11/16/21	11/17/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**1.0**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 453522

453522-002 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**2.0**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	277884	11/11/21 18:54	11/11/21 18:54	WWC
Method: SM2130B										
Turbidity	**74**		NTU	0.10	0.07	1	277877	11/11/21 16:54	11/11/21 16:54	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**1,400**		mg/L	20		2	278008	11/13/21	11/14/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**120**		mg/L	1.0		2	278052	11/12/21	11/12/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	ND		mg/L	3.0		1	277946	11/12/21 09:48	11/17/21 09:45	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.052**		mg/L	0.040	0.027	1	277984	11/12/21 17:00	11/12/21 20:03	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**9.5**		mg/L			1	278349	11/18/21	11/18/21	SLL

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 453522

Sample ID: SMBRP-12	Lab ID: 453522-003	Collected: 11/11/21 10:15
	Matrix: Water	

453522-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 1664A Prep Method: METHOD										
Total Oil and Grease	ND		mg/L	5.6	1.6	1.1	278252	11/16/21	11/17/21	ECC
Method: EPA 200.7 Prep Method: EPA 200.7										
Boron	**0.87**		mg/L	0.050	0.0080	1	277918	11/12/21	11/18/21	KLN
Method: EPA 300.0 Prep Method: METHOD										
Chloride	**870**		mg/L	50	5.0	10	278224	11/17/21 10:00	11/17/21 15:40	CSC
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	1	277801	11/11/21 18:00	11/11/21 19:48	JCP
Nitrogen, Nitrate	**0.13**		mg/L	0.10	0.05	1	277801	11/11/21 18:00	11/11/21 19:48	JCP
Sulfate	**430**		mg/L	10	2.5	10	278224	11/17/21 10:00	11/17/21 15:40	CSC
Method: EPA 351.2 Prep Method: METHOD										
Nitrogen, Total Kjeldahl	**5.3**		mg/L	0.40	0.030	1	278201	11/17/21	11/17/21	ATP
Method: ORGANIC NITROGEN										
Organic Nitrogen as N	**0.60**		mg/L			1	278371	11/18/21	11/18/21	SLL
Method: SM 2150B										
Odor	ND		TON	1.0		1	277885	11/11/21 18:54	11/11/21 18:54	WWC
Method: SM 4500-CL-G										
Chlorine, Total Residual	ND	H	mg/L	0.10	0.042	1	277883	11/11/21 17:53	11/11/21 17:53	WWC
Method: SM 4500-H+ B										
pH	**6.96**	H	SU			1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Temperature	**23.50**	H	deg C	1.00		1	277850	11/12/21 11:05	11/12/21 11:05	WWC
Method: SM 4500-NH3-G										
Ammonia-N	**4.7**		mg/L	0.20	0.020	2	278145	11/16/21	11/16/21	ATP
Method: SM 4500-P-B5-E										
Phosphorus	**0.74**		mg/L	0.020	0.010	1	278346	11/18/21	11/18/21	ATP
Method: SM 5310B										
Total Organic Carbon	**6.8**		mg/L	1.0	0.18	1	278191	11/16/21	11/17/21	ATP
Method: SM 9223Bb										
Fecal Coliform	**200**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 453522

453522-003 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Coliform, Total	**920**		MPN/100ml	1.0		1	277873	11/11/21 16:35	11/12/21 15:00	CCO
Method: SM2120B										
Color	ND		ColorUnits	5		1	277884	11/11/21 18:54	11/11/21 18:54	WWC
Method: SM2130B										
Turbidity	**48**		NTU	0.10	0.07	1	277877	11/11/21 16:54	11/11/21 16:54	LVL
Method: SM2540C Prep Method: METHOD										
Total Dissolved Solids	**3,100**		mg/L	20		2	278008	11/13/21	11/14/21	WWC
Method: SM2540D Prep Method: METHOD										
Total Suspended Solids	**90**		mg/L	1.0		2	278052	11/12/21	11/12/21	ATP
Method: SM5210B Prep Method: METHOD										
Biochemical Oxygen Demand	**7.8**		mg/L	3.0		1	277946	11/12/21 09:49	11/17/21 09:45	MMP
Method: SM5540C										
Surfactants (MBAS)	**0.11**		mg/L	0.040	0.027	1	277984	11/12/21 17:00	11/12/21 20:03	ECC
Method: TOTAL NITROGEN										
Total Nitrogen	**5.4**		mg/L			1	278349	11/18/21	11/18/21	SLL

< Value is less than indicated concentration
H Holding time was exceeded
J Estimated value
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC954909**	**Batch: 277801**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC954909 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.50	11/11/21 09:00	11/11/21 17:02
Nitrogen, Nitrite	ND		mg/L	0.10	0.01	11/11/21 09:00	11/11/21 17:02
Nitrogen, Nitrate	ND		mg/L	0.10	0.05	11/11/21 09:00	11/11/21 17:02

Type: Lab Control Sample	**Lab ID: QC954910**	**Batch: 277801**
Matrix: Water	**Method: EPA 300.0**	**Prep Method: METHOD**

QC954910 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	101.1	100.0	mg/L	101%		90-110
Nitrogen, Nitrite	9.117	9.134	mg/L	100%		90-110
Nitrogen, Nitrate	9.098	9.036	mg/L	101%		90-110

Type: Matrix Spike	**Lab ID: QC954975**	**Batch: 277801**
Matrix (Source ID): Water (453476-004)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC954975 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	120.6	16.97	100.0	mg/L	104%		80-120	1
Nitrogen, Nitrite	9.674	ND	9.134	mg/L	106%		80-120	1
Nitrogen, Nitrate	13.15	3.951	9.036	mg/L	102%		80-120	1

Type: Matrix Spike Duplicate	**Lab ID: QC954976**	**Batch: 277801**
Matrix (Source ID): Water (453476-004)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC954976 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	122.3	16.97	100.0	mg/L	105%		80-120	1	20	1
Nitrogen, Nitrite	9.939	ND	9.134	mg/L	109%		80-120	3	20	1
Nitrogen, Nitrate	13.37	3.951	9.036	mg/L	104%		80-120	2	20	1

Type: Matrix Spike	**Lab ID: QC954977**	**Batch: 277801**
Matrix (Source ID): Water (453476-006)	**Method: EPA 300.0**	**Prep Method: METHOD**

QC954977 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	118.1	14.46	100.0	mg/L	104%		80-120	1
Nitrogen, Nitrite	9.845	ND	9.134	mg/L	108%		80-120	1
Nitrogen, Nitrate	15.68	6.703	9.036	mg/L	99%		80-120	1

Batch QC

Type: Matrix Spike Duplicate	Lab ID: QC954978	Batch: 277801
Matrix (Source ID): Water (453476-006)	Method: EPA 300.0	Prep Method: METHOD

QC954978 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	119.0	14.46	100.0	mg/L	104%		80-120	1	20	1
Nitrogen, Nitrite	9.890	ND	9.134	mg/L	108%		80-120	0	20	1
Nitrogen, Nitrate	15.78	6.703	9.036	mg/L	100%		80-120	1	20	1

Type: Sample Duplicate	Lab ID: QC955017	Batch: 277850
Matrix (Source ID): Water (453445-001)	Method: SM 4500-H+ B	

QC955017 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
pH	7.480	7.390	SU		1	20	1
Temperature	23.70	23.50	deg C		1	20	1

Type: Sample Duplicate	Lab ID: QC955090	Batch: 277877
Matrix (Source ID): Water (453445-001)	Method: SM2130B	

QC955090 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Turbidity	3.480	3.550	NTU		2	20	1

Type: Blank	Lab ID: QC955098	Batch: 277883
Matrix: Water	Method: SM 4500-CL-G	

QC955098 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chlorine, Total Residual	ND		mg/L	0.10	0.042	11/11/21 17:53	11/11/21 17:53

Type: Lab Control Sample	Lab ID: QC955099	Batch: 277883
Matrix: Water	Method: SM 4500-CL-G	

QC955099 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chlorine, Total Residual	0.9940	1.000	mg/L	99%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Sample Duplicate**	**Lab ID:**	**QC955100**	**Batch:**	**277883**
Matrix (Source ID):	**Water (453445-002)**	**Method:**	**SM 4500-CL-G**		

QC955100 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Chlorine, Total Residual	ND	ND	mg/L			20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC955101**	**Batch:**	**277884**
Matrix (Source ID):	**Sea Water (453516-001)**	**Method:**	**SM2120B**		

QC955101 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Color	ND	ND	ColorUnits			20	1

Type:	**Sample Duplicate**	**Lab ID:**	**QC955102**	**Batch:**	**277885**
Matrix (Source ID):	**Sea Water (453516-001)**	**Method:**	**SM 2150B**		

QC955102 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Odor	ND	ND	TON			20	1

Type:	**Blank**	**Lab ID:**	**QC956272**	**Batch:**	**277918**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC956272 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Boron	ND		mg/L	0.050	0.0080	11/12/21	11/18/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC956273**	**Batch:**	**277918**
Matrix:	**Water**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC956273 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Boron	0.5466	0.5000	mg/L	109%		85-115

Type:	**Matrix Spike**	**Lab ID:**	**QC956274**	**Batch:**	**277918**
Matrix (Source ID):	**Water (453456-001)**	**Method:**	**EPA 200.7**	**Prep Method:**	**EPA 200.7**

QC956274 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Boron	6.825	6.185	0.5000	mg/L	128%	NM	75-125	1

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC956275	Batch:	277918
Matrix (Source ID):	Water (453456-001)	Method:	EPA 200.7	Prep Method:	EPA 200.7

QC956275 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Boron	6.893	6.185	0.5000	mg/L	141%	NM	75-125	1	20	1

Type:	Blank	Lab ID:	QC955368	Batch:	277946
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC955368 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Biochemical Oxygen Demand	ND		mg/L	3.0		11/12/21 09:35	11/17/21 09:45

Type:	Lab Control Sample	Lab ID:	QC955369	Batch:	277946
Matrix:	Water	Method:	SM5210B	Prep Method:	METHOD

QC955369 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Biochemical Oxygen Demand	216.0	198.0	mg/L	109%		84.6-115.4

Type:	Blank	Lab ID:	QC955381	Batch:	277984
Matrix:	Water	Method:	SM5540C		

QC955381 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Surfactants (MBAS)	ND		mg/L	0.040	0.027	11/12/21 17:00	11/12/21 20:03

Type:	Lab Control Sample	Lab ID:	QC955382	Batch:	277984
Matrix:	Water	Method:	SM5540C		

QC955382 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Surfactants (MBAS)	1.008	1.000	mg/L	101%		90-110

Type:	Matrix Spike	Lab ID:	QC955383	Batch:	277984
Matrix (Source ID):	Water (453522-001)	Method:	SM5540C		

QC955383 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Surfactants (MBAS)	1.050	ND	1.000	mg/L	103%		80-120	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC955384**
Matrix (Source ID):	**Water (453522-001)**	**Method:**	**SM5540C**

Batch: 277984

QC955384 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Surfactants (MBAS)	1.062	ND	1.000	mg/L	105%		80-120	1	20	1

Type:	**Blank**	**Lab ID:**	**QC955448**
Matrix:	**Sea Water**	**Method:**	**SM2540C**

Batch: 278008
Prep Method: METHOD

QC955448 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Dissolved Solids	ND		mg/L	10		11/13/21	11/14/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC955449**
Matrix:	**Sea Water**	**Method:**	**SM2540C**

Batch: 278008
Prep Method: METHOD

QC955449 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Dissolved Solids	100.0	100.0	mg/L	100%		90-110

Type:	**Sample Duplicate**	**Lab ID:**	**QC955450**
Matrix (Source ID):	**Sea Water (453583-001)**	**Method:**	**SM2540C**

Batch: 278008
Prep Method: METHOD

QC955450 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Dissolved Solids	35,060	35680	mg/L		2	5	10

Type:	**Blank**	**Lab ID:**	**QC955595**
Matrix:	**Sea Water**	**Method:**	**SM2540D**

Batch: 278052
Prep Method: METHOD

QC955595 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Suspended Solids	ND		mg/L	0.5		11/12/21	11/12/21

Type:	**Sample Duplicate**	**Lab ID:**	**QC955596**
Matrix (Source ID):	**Water (453496-001)**	**Method:**	**SM2540D**

Batch: 278052
Prep Method: METHOD

QC955596 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Total Suspended Solids	947.5	945.0	mg/L		0	5	25

ENTHALPY ANALYTICAL

Batch QC

Type: Blank **Lab ID: QC955856** **Batch: 278145**
Matrix: Water **Method: SM 4500-NH3-G**

QC955856 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Ammonia-N	ND		mg/L	0.10	0.010	11/16/21	11/16/21

Type: Lab Control Sample **Lab ID: QC955857** **Batch: 278145**
Matrix: Water **Method: SM 4500-NH3-G**

QC955857 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Ammonia-N	2.637	2.500	mg/L	105%		80-120

Type: Matrix Spike **Lab ID: QC955858** **Batch: 278145**
Matrix (Source ID): Water (453509-001) **Method: SM 4500-NH3-G**

QC955858 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Ammonia-N	28.19	2.120	25.00	mg/L	104%		80-120	10

Type: Matrix Spike Duplicate **Lab ID: QC955859** **Batch: 278145**
Matrix (Source ID): Water (453509-001) **Method: SM 4500-NH3-G**

QC955859 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Ammonia-N	28.53	2.120	25.00	mg/L	106%		80-120	1	20	10

Type: Blank **Lab ID: QC956017** **Batch: 278191**
Matrix: Water **Method: SM 5310B**

QC956017 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Organic Carbon	ND		mg/L	1.0	0.18	11/16/21	11/16/21

Type: Lab Control Sample **Lab ID: QC956018** **Batch: 278191**
Matrix: Water **Method: SM 5310B**

QC956018 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Organic Carbon	9.946	10.00	mg/L	99%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC956019**
Matrix (Source ID):	**Sea Water (453635-001)**	**Method:**	**SM 5310B**
		Batch:	**278191**

QC956019 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Total Organic Carbon	80.68	2.160	80.00	mg/L	98%		80-120	8

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC956020**
Matrix (Source ID):	**Sea Water (453635-001)**	**Method:**	**SM 5310B**
		Batch:	**278191**

QC956020 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Total Organic Carbon	82.92	2.160	80.00	mg/L	101%		80-120	3	20	8

Type:	**Blank**	**Lab ID:**	**QC956056**
Matrix:	**Water**	**Method:**	**EPA 351.2**
		Batch:	**278201**
		Prep Method:	**METHOD**

QC956056 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Nitrogen, Total Kjeldahl	ND		mg/L	0.20	0.015	11/17/21	11/17/21

Type:	**Lab Control Sample**	**Lab ID:**	**QC956057**
Matrix:	**Water**	**Method:**	**EPA 351.2**
		Batch:	**278201**
		Prep Method:	**METHOD**

QC956057 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Nitrogen, Total Kjeldahl	2.386	2.500	mg/L	95%		90-110

Type:	**Matrix Spike**	**Lab ID:**	**QC956058**
Matrix (Source ID):	**Water (453522-001)**	**Method:**	**EPA 351.2**
		Batch:	**278201**
		Prep Method:	**METHOD**

QC956058 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Nitrogen, Total Kjeldahl	15.91	3.208	12.50	mg/L	102%		90-110	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC956059**
Matrix (Source ID):	**Water (453522-001)**	**Method:**	**EPA 351.2**
		Batch:	**278201**
		Prep Method:	**METHOD**

QC956059 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Nitrogen, Total Kjeldahl	15.37	3.208	12.50	mg/L	97%		90-110	3	20	2.5

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC956112	**Batch:** 278224
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC956112 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Chloride	ND		mg/L	5.0	0.50	11/17/21 10:00	11/17/21 12:31
Sulfate	ND		mg/L	1.0	0.25	11/17/21 10:00	11/17/21 12:31

Type: Lab Control Sample	**Lab ID:** QC956113	**Batch:** 278224
Matrix: Water	**Method:** EPA 300.0	**Prep Method:** METHOD

QC956113 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Chloride	105.8	100.0	mg/L	106%		90-110
Sulfate	49.34	50.00	mg/L	99%		90-110

Type: Matrix Spike	**Lab ID:** QC956114	**Batch:** 278224
Matrix (Source ID): Water (453185-004)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC956114 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Chloride	321.1	223.4	100.0	mg/L	98%		80-120	5
Sulfate	197.8	153.9	50.00	mg/L	88%		80-120	5

Type: Matrix Spike Duplicate	**Lab ID:** QC956115	**Batch:** 278224
Matrix (Source ID): Water (453185-004)	**Method:** EPA 300.0	**Prep Method:** METHOD

QC956115 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Chloride	340.4	223.4	100.0	mg/L	117%		80-120	6	20	5
Sulfate	205.9	153.9	50.00	mg/L	104%		80-120	4	20	5

Type: Blank	**Lab ID:** QC956161	**Batch:** 278251
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC956161 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/16/21	11/17/21

Type: Lab Control Sample	**Lab ID:** QC956162	**Batch:** 278251
Matrix: Water	**Method:** EPA 1664A	**Prep Method:** METHOD

QC956162 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.70	40.00	mg/L	89%		78-114

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample Duplicate	Lab ID: QC956163	Batch: 278251
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC956163 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.00	40.00	mg/L	93%		78-114	4	18

Type: Blank	Lab ID: QC956164	Batch: 278252
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC956164 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Total Oil and Grease	ND		mg/L	5.0	1.4	11/16/21	11/17/21

Type: Lab Control Sample	Lab ID: QC956165	Batch: 278252
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC956165 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Total Oil and Grease	35.40	40.00	mg/L	89%		78-114

Type: Lab Control Sample Duplicate	Lab ID: QC956166	Batch: 278252
Matrix: Water	Method: EPA 1664A	Prep Method: METHOD

QC956166 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Total Oil and Grease	37.90	40.00	mg/L	95%		78-114	7	18

Type: Blank	Lab ID: QC956492	Batch: 278346
Matrix: Water	Method: SM 4500-P-B5-E	

QC956492 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Phosphorus	ND		mg/L	0.020	0.010	11/18/21	11/18/21

Type: Lab Control Sample	Lab ID: QC956493	Batch: 278346
Matrix: Water	Method: SM 4500-P-B5-E	

QC956493 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Phosphorus	0.4150	0.4000	mg/L	104%		80-120

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC956494**	**Batch:**	**278346**
Matrix (Source ID):	**Water (453461-010)**	**Method:**	**SM 4500-P-B5-E**		

QC956494 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Phosphorus	1.250	0.2350	1.000	mg/L	102%		75-125	2.5

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC956495**	**Batch:**	**278346**
Matrix (Source ID):	**Water (453461-010)**	**Method:**	**SM 4500-P-B5-E**		

QC956495 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Phosphorus	1.250	0.2350	1.000	mg/L	102%		75-125	0	20	2.5

ND Not Detected
NM Not Meaningful

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

AmeriSci Los Angeles

24416 South Main Street

Carson, CA 90745

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3037**

Effective Date: **12/1/2021**

Expiration Date: **11/30/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1

El Dorado Hills, CA 95762

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **3046**

Effective Date: **5/1/2021**

Expiration Date: **4/30/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

Ceres Analytical Laboratory, Inc.

4919 Windplay Drive, Suite 1
El Dorado Hills, CA 95762
Phone: 9169325011

Certificate Number: 3046
Expiration Date: 4/30/2022
INTERIM

Field of Accreditation: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.230	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screening Only	EPA 1613 B

Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.250	001	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
111.250	002	Total Tetrachlorodibenzo-p-dioxin (TCDD)	EPA 1613 B
111.250	003	2,3,7,8-Tetrachlorodibenzofuran (TCDF)	EPA 1613 B
111.250	004	Total Tetrachlorodibenzofuran (TCDF)	EPA 1613 B
111.250	005	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B
111.250	006	Total Pentachlorodibenzo-p-dioxin (PeCDD)	EPA 1613 B
111.250	007	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250	008	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250	009	Total Pentachlorodibenzofuran (PeCDF)	EPA 1613 B
111.250	010	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	011	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	012	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	013	Total Hexachlorodibenzo-p-dioxin (HxCDD)	EPA 1613 B
111.250	014	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	015	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	016	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	017	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	018	Total Hexachlorodibenzofuran (HxCDF)	EPA 1613 B
111.250	019	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B
111.250	020	Total Heptachlorodibenzo-p-dioxin (HpCDD)	EPA 1613 B
111.250	021	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	022	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	023	Total Heptachlorodibenzofuran (HpCDF)	EPA 1613 B
111.250	024	OCDD	EPA 1613 B
111.250	025	OCDF	EPA 1613 B

Oregon
Environmental Laboratory
Accreditation Program

NELAP Recognized

Ceres Analytical Laboratory, Inc.

4049

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids and Chemical Waste	Tissue
	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Travis Bartholomew
Oregon State Public Health Laboratory
ORELAP Program Manager
7202 NE Evergreen Parkway, Suite 100
Hillsboro, OR 97124

EFFECTIVE DATE : **2/14/2021**
EXPIRATION DATE : **2/13/2022**
Certificate No : **4049 - 009**

OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

Ceres Analytical Laboratory, Inc.
4919 Windplay Dr., Suite 1
El Dorado Hills, CA 95762

ORELAP ID: 4049
EPA CODE: CA01612
Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
Drinking Water					
	EPA 1613B			10120602	Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
Non-Potable Water					
	EPA 1613B			10120602	Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS
		9516	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		
		9519	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		
		9420	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)		
		9426	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)		
		9423	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)		
		9471	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)		
		9453	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)		
		9474	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)		
		9456	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)		
		9477	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)		
		9459	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)		
		9543	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)		
		9540	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9480	2,3,4,6,7,8-Hexachlorodibenzofuran		
		9549	2,3,4,7,8-Pentachlorodibenzofuran		
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
		9612	2,3,7,8-Tetrachlorodibenzofuran		
		9438	Hpcdd, total		
		9444	Hpcdf, total		
		9468	Hxcdd, total		
		9483	Hxcdf, total		
		9555	Pecdd, total		
		9552	Pecdf, total		
		9609	TCDD, total		
		9615	TCDF, total		
	EPA 1668C EPA 1668C			10262109	Chlorinated Biphenyl Cogeners in Water, Soil, Sediment, and Tissue by GC-HRMS
		9095	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ-206)		
		9090	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ-194)		
		9101	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ-207)		
		9103	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ-195)		
		9102	2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ-196)		
		9065	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ-170)		
		9104	2,2',3,3',4,4',6,6'-Octachlorobiphenyl (BZ-197)		
		9106	2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ-171)		
		9020	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ-128)		
		9107	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ-208)		
		9109	2,2',3,3',4,5,5',6-Octachlorobiphenyl		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			(BZ-198)		
		9108	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (BZ-199)		
		9110	2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ-172)		
		9111	2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ-200)		
		9112	2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ-201)		
		9113	2,2',3,3',4,5,6-Heptachlorobiphenyl (BZ-173)		
		9116	2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ-174)		
		9115	2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ-175)		
		9114	2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ-177)		
		9118	2,2',3,3',4,5-Hexachlorobiphenyl (BZ-129)		
		9117	2,2',3,3',4,5'-Hexachlorobiphenyl (BZ-130)		
		9119	2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ-176)		
		9121	2,2',3,3',4,6-Hexachlorobiphenyl (BZ-131)		
		9120	2,2',3,3',4,6'-Hexachlorobiphenyl (BZ-132)		
		9122	2,2',3,3',4-Pentachlorobiphenyl (BZ-82)		
		9123	2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ-202)		
		9124	2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ-178)		
		9125	2,2',3,3',5,5'-Hexachlorobiphenyl (BZ-133)		
		9126	2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ-179)		
		9128	2,2',3,3',5,6-Hexachlorobiphenyl (BZ-134)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9127	2,2',3,3',5,6'-Hexachlorobiphenyl (BZ-135)		
		9129	2,2',3,3',5-Pentachlorobiphenyl (BZ-83)		
		9130	2,2',3,3',6,6'-Hexachlorobiphenyl (BZ-136)		
		9131	2,2',3,3',6-Pentachlorobiphenyl (BZ-84)		
		9132	2,2',3,3'-Tetrachlorobiphenyl (BZ-40)		
		9133	2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ-203)		
		9134	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ-180)		
		9135	2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ-204)		
		9137	2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ-181)		
		9136	2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ-182)		
		9075	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ-183)		
		9138	2,2',3,4,4',5-Hexachlorobiphenyl (BZ-137)		
		9025	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ-138)		
		9139	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ-184)		
		9141	2,2',3,4,4',6-Hexachlorobiphenyl (BZ-139)		
		9140	2,2',3,4,4',6'-Hexachlorobiphenyl (BZ-140)		
		9142	2,2',3,4,4'-Pentachlorobiphenyl (BZ-85)		
		9143	2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ-185)		
		9080	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ-187)		
		9030	2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-141)		
		9144	2,2',3,4',5,5'-Hexachlorobiphenyl (BZ-		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			146)		
		9145	2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-186)		
		9146	2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ-188)		
		9148	2,2',3,4,5,6-Hexachlorobiphenyl (BZ-142)		
		9152	2,2',3,4,5,6'-Hexachlorobiphenyl (BZ-143)		
		9150	2,2',3,4,5',6-Hexachlorobiphenyl (BZ-144)		
		9149	2,2',3,4',5,6-Hexachlorobiphenyl (BZ-147)		
		9147	2,2',3,4',5,6'-Hexachlorobiphenyl (BZ-148)		
		9151	2,2',3,4',5',6-Hexachlorobiphenyl (BZ-149)		
		9153	2,2',3,4,5-Pentachlorobiphenyl (BZ-86)		
		8975	2,2',3,4,5'-Pentachlorobiphenyl (BZ-87)		
		9155	2,2',3,4',5-Pentachlorobiphenyl (BZ-90)		
		9154	2,2',3,4',5'-Pentachlorobiphenyl (BZ-97)		
		9156	2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-145)		
		9157	2,2',3,4',6,6'-Hexachlorobiphenyl (BZ-150)		
		9158	2,2',3,4,6-Pentachlorobiphenyl (BZ-88)		
		9161	2,2',3,4,6'-Pentachlorobiphenyl (BZ-89)		
		9160	2,2',3,4',6-Pentachlorobiphenyl (BZ-91)		
		9159	2,2',3,4',6'-Pentachlorobiphenyl (BZ-98)		
		9163	2,2',3,4-Tetrachlorobiphenyl (BZ-41)		
		9162	2,2',3,4'-Tetrachlorobiphenyl (BZ-42)		
		9035	2,2',3,5,5',6-Hexachlorobiphenyl (BZ-151)		
		9164	2,2',3,5,5'-Pentachlorobiphenyl (BZ-92)		
		9165	2,2',3,5,6,6'-Hexachlorobiphenyl (BZ-152)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9168	2,2',3,5,6-Pentachlorobiphenyl (BZ-93)		
		9167	2,2',3,5,6'-Pentachlorobiphenyl (BZ-94)		
		9166	2,2',3,5',6-Pentachlorobiphenyl (BZ-95)		
		9169	2,2',3,5-Tetrachlorobiphenyl (BZ-43)		
		8945	2,2',3,5'-Tetrachlorobiphenyl (BZ-44)		
		9170	2,2',3,6,6'-Pentachlorobiphenyl (BZ-96)		
		9172	2,2',3,6-Tetrachlorobiphenyl (BZ-45)		
		9171	2,2',3,6'-Tetrachlorobiphenyl (BZ-46)		
		9173	2,2',3-Trichlorobiphenyl (BZ-16)		
		9040	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ-153)		
		9174	2,2',4,4',5,6'-Hexachlorobiphenyl (BZ-154)		
		9175	2,2',4,4',5-Pentachlorobiphenyl (BZ-99)		
		9176	2,2',4,4',6,6'-Hexachlorobiphenyl (BZ-155)		
		9177	2,2',4,4',6-Pentachlorobiphenyl (BZ-100)		
		9178	2,2',4,4'-Tetrachlorobiphenyl (BZ-47)		
		8980	2,2',4,5,5'-Pentachlorobiphenyl (BZ-101)		
		9180	2,2',4,5,6'-Pentachlorobiphenyl (BZ-102)		
		9179	2,2',4,5',6-Pentachlorobiphenyl (BZ-103)		
		9181	2,2',4,5-Tetrachlorobiphenyl (BZ-48)		
		8950	2,2',4,5'-Tetrachlorobiphenyl (BZ-49)		
		9182	2,2',4,6,6'-Pentachlorobiphenyl (BZ-104)		
		9184	2,2',4,6-Tetrachlorobiphenyl (BZ-50)		
		9183	2,2',4,6'-Tetrachlorobiphenyl (BZ-51)		
		9185	2,2',4-Trichlorobiphenyl (BZ-17)		
		8955	2,2',5,5'-Tetrachlorobiphenyl (BZ-52)		
		9186	2,2',5,6'-Tetrachlorobiphenyl (BZ-53)		
		8930	2,2',5-Trichlorobiphenyl (BZ-18)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9187	2,2',6,6'-Tetrachlorobiphenyl (BZ-54)		
		9188	2,2',6-Trichlorobiphenyl (BZ-19)		
		9189	2,2'-Dichlorobiphenyl (BZ-4)		
		9190	2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ-205)		
		9085	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ-189)		
		9191	2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-190)		
		9192	2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ-191)		
		9050	2,3,3',4,4',5-Hexachlorobiphenyl (BZ-156)		
		9045	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ-157)		
		9193	2,3,3',4,4',6-Hexachlorobiphenyl (BZ-158)		
		8985	2,3,3',4,4'-Pentachlorobiphenyl (BZ-105)		
		9194	2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ-192)		
		9195	2,3,3',4',5,5',6-Heptachlorobiphenyl (BZ-193)		
		9196	2,3,3',4,5,5'-Hexachlorobiphenyl (BZ-159)		
		9197	2,3,3',4',5,5'-Hexachlorobiphenyl (BZ-162)		
		9198	2,3,3',4,5,6-Hexachlorobiphenyl (BZ-160)		
		9199	2,3,3',4',5,6-Hexachlorobiphenyl (BZ-163)		
		9201	2,3,3',4',5',6-Hexachlorobiphenyl (BZ-164)		
		9200	2,3,3',4,5',6-Hexachlorobiphenyl (BZ-161)		
		9204	2,3,3',4,5-Pentachlorobiphenyl (BZ-106)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9205	2,3,3',4',5-Pentachlorobiphenyl (BZ-107)		
		9203	2,3,3',4,5'-Pentachlorobiphenyl (BZ-108)		
		9202	2,3,3',4',5'-Pentachlorobiphenyl (BZ-122)		
		9206	2,3,3',4,6-Pentachlorobiphenyl (BZ-109)		
		8990	2,3,3',4',6-Pentachlorobiphenyl (BZ-110)		
		9208	2,3,3',4-Tetrachlorobiphenyl (BZ-55)		
		9207	2,3,3',4'-Tetrachlorobiphenyl (BZ-56)		
		9209	2,3,3',5,5',6-Hexachlorobiphenyl (BZ-165)		
		9210	2,3,3',5,5'-Pentachlorobiphenyl (BZ-111)		
		9211	2,3,3',5,6-Pentachlorobiphenyl (BZ-112)		
		9212	2,3,3',5',6-Pentachlorobiphenyl (BZ-113)		
		9214	2,3,3',5-Tetrachlorobiphenyl (BZ-57)		
		9213	2,3,3',5'-Tetrachlorobiphenyl (BZ-58)		
		9215	2,3,3',6-Tetrachlorobiphenyl (BZ-59)		
		9216	2,3,3'-Trichlorobiphenyl (BZ-20)		
		9055	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ-167)		
		9217	2,3,4,4',5,6-Hexachlorobiphenyl (BZ-166)		
		9218	2,3',4,4',5',6-Hexachlorobiphenyl (BZ-168)		
		9005	2,3,4,4',5-Pentachlorobiphenyl (BZ-114)		
		8995	2,3',4,4',5-Pentachlorobiphenyl (BZ-118)		
		9000	2,3',4,4',5'-Pentachlorobiphenyl (BZ-123)		
		9219	2,3,4,4',6-Pentachlorobiphenyl (BZ-115)		
		9220	2,3',4,4',6-Pentachlorobiphenyl (BZ-119)		

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		9221	2,3,4,4'-Tetrachlorobiphenyl (BZ-60)		
		8960	2,3',4,4'-Tetrachlorobiphenyl (BZ-66)		
		9223	2,3',4,5,5'-Pentachlorobiphenyl (BZ-120)		
		9222	2,3',4',5,5'-Pentachlorobiphenyl (BZ-124)		
		9225	2,3,4,5,6-Pentachlorobiphenyl (BZ-116)		
		9227	2,3,4',5,6-Pentachlorobiphenyl (BZ-117)		
		9226	2,3',4,5',6-Pentachlorobiphenyl (BZ-121)		
		9224	2,3',4',5',6-Pentachlorobiphenyl (BZ-125)		
		9228	2,3,4,5-Tetrachlorobiphenyl (BZ-61)		
		9233	2,3,4',5-Tetrachlorobiphenyl (BZ-63)		
		9231	2,3',4,5'-Tetrachlorobiphenyl (BZ-68)		
		9230	2,3',4',5-Tetrachlorobiphenyl (BZ-70)		
		9229	2,3',4',5'-Tetrachlorobiphenyl (BZ-76)		
		9232	2,3',4,5-Tetrachlorobiphenyl (BZ-67)		
		9234	2,3,4,6-Tetrachlorobiphenyl (BZ-62)		
		9236	2,3,4',6-Tetrachlorobiphenyl (BZ-64)		
		9235	2,3',4,6-Tetrachlorobiphenyl (BZ-69)		
		9237	2,3',4',6-Tetrachlorobiphenyl (BZ-71)		
		9238	2,3,4-Trichlorobiphenyl (BZ-21)		
		9241	2,3,4'-Trichlorobiphenyl (BZ-22)		
		9240	2,3',4-Trichlorobiphenyl (BZ-25)		
		9239	2,3',4'-Trichlorobiphenyl (BZ-33)		
		9242	2,3',5,5'-Tetrachlorobiphenyl (BZ-72)		
		9243	2,3,5,6-Tetrachlorobiphenyl (BZ-65)		
		9244	2,3',5',6-Tetrachlorobiphenyl (BZ-73)		
		9245	2,3,5-Trichlorobiphenyl (BZ-23)		
		8935	2,3',5-Trichlorobiphenyl (BZ-26)		
		9246	2,3',5'-Trichlorobiphenyl (BZ-34)		
		9247	2,3,6-Trichlorobiphenyl (BZ-24)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9248	2,3',6-Trichlorobiphenyl (BZ-27)		
		8920	2,3-Dichlorobiphenyl (BZ-5)		
		9249	2,3'-Dichlorobiphenyl (BZ-6)		
		9250	2,4,4',5-Tetrachlorobiphenyl (BZ-74)		
		9251	2,4,4',6-Tetrachlorobiphenyl (BZ-75)		
		9252	2,4,4'-Trichlorobiphenyl (BZ-28)		
		9253	2,4,5-Trichlorobiphenyl (BZ-29)		
		8940	2,4',5-Trichlorobiphenyl (BZ-31)		
		9254	2,4,6-Trichlorobiphenyl (BZ-30)		
		9255	2,4',6-Trichlorobiphenyl (BZ-32)		
		9257	2,4-Dichlorobiphenyl (BZ-7)		
		9256	2,4'-Dichlorobiphenyl (BZ-8)		
		9258	2,5-Dichlorobiphenyl (BZ-9)		
		9259	2,6-Dichlorobiphenyl (BZ-10)		
		8915	2-Chlorobiphenyl (BZ-1)		
		9060	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ-169)		
		9015	3,3',4,4',5-Pentachlorobiphenyl (BZ-126)		
		8965	3,3',4,4'-Tetrachlorobiphenyl (BZ-77)		
		9260	3,3',4,5,5'-Pentachlorobiphenyl (BZ-127)		
		9262	3,3',4,5-Tetrachlorobiphenyl (BZ-78)		
		9261	3,3',4,5'-Tetrachlorobiphenyl (BZ-79)		
		9263	3,3',4-Trichlorobiphenyl (BZ-35)		
		9264	3,3',5,5'-Tetrachlorobiphenyl (BZ-80)		
		9265	3,3',5-Trichlorobiphenyl (BZ-36)		
		8925	3,3'-Dichlorobiphenyl (BZ-11)		
		8970	3,4,4',5-Tetrachlorobiphenyl (BZ-81)		
		9266	3,4,4'-Trichlorobiphenyl (BZ-37)		
		9267	3,4,5-Trichlorobiphenyl (BZ-38)		
		9268	3,4',5-Trichlorobiphenyl (BZ-39)		
		9270	3,4-Dichlorobiphenyl (BZ-12)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9269	3,4'-Dichlorobiphenyl (BZ-13)		
		9271	3,5-Dichlorobiphenyl (BZ-14)		
		9272	3-Chlorobiphenyl (BZ-2)		
		9273	4,4'-Dichlorobiphenyl (BZ-15)		
		9274	4-Chlorobiphenyl (BZ-3)		
		9105	Decachlorobiphenyl (BZ-209)		
		8876	Total Dichlorobiphenyls		
		8877	Total Heptachlorobiphenyls		
		8888	Total Hexachlorobiphenyls		
		8889	Total Monochlorobiphenyls		
		8891	Total Nonachlorobiphenyls		
		8892	Total Octachlorobiphenyls		
		8896	Total Pentachlorobiphenyls		
		8893	Total Tetrachlorobiphenyls		
		8894	Total Trichlorobiphenyls		
Solids					
	EPA 1668C			10262109	Chlorinated Biphenyl Cogeners in Water, Soil, Sediment, and Tissue by GC-HRMS
	EPA 1668C				
		9095	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ-206)		
		9090	2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ-194)		
		9101	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ-207)		
		9103	2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ-195)		
		9102	2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ-196)		
		9065	2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ-170)		
		9104	2,2',3,3',4,4',6,6'-Octachlorobiphenyl (BZ-197)		
		9106	2,2',3,3',4,4',6-Heptachlorobiphenyl (BZ-171)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9020	2,2',3,3',4,4'-Hexachlorobiphenyl (BZ-128)		
		9107	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ-208)		
		9109	2,2',3,3',4,5,5',6-Octachlorobiphenyl (BZ-198)		
		9108	2,2',3,3',4,5,5',6'-Octachlorobiphenyl (BZ-199)		
		9110	2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ-172)		
		9111	2,2',3,3',4,5,6,6'-Octachlorobiphenyl (BZ-200)		
		9112	2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ-201)		
		9113	2,2',3,3',4,5,6-Heptachlorobiphenyl (BZ-173)		
		9116	2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ-174)		
		9115	2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ-175)		
		9114	2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ-177)		
		9118	2,2',3,3',4,5-Hexachlorobiphenyl (BZ-129)		
		9117	2,2',3,3',4,5'-Hexachlorobiphenyl (BZ-130)		
		9119	2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ-176)		
		9121	2,2',3,3',4,6-Hexachlorobiphenyl (BZ-131)		
		9120	2,2',3,3',4,6'-Hexachlorobiphenyl (BZ-132)		
		9122	2,2',3,3',4-Pentachlorobiphenyl (BZ-82)		
		9123	2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ-202)		
		9124	2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ-178)		
		9125	2,2',3,3',5,5'-Hexachlorobiphenyl (BZ-		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			133)		
		9126	2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ-179)		
		9128	2,2',3,3',5,6-Hexachlorobiphenyl (BZ-134)		
		9127	2,2',3,3',5,6'-Hexachlorobiphenyl (BZ-135)		
		9129	2,2',3,3',5-Pentachlorobiphenyl (BZ-83)		
		9130	2,2',3,3',6,6'-Hexachlorobiphenyl (BZ-136)		
		9131	2,2',3,3',6-Pentachlorobiphenyl (BZ-84)		
		9132	2,2',3,3'-Tetrachlorobiphenyl (BZ-40)		
		9133	2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ-203)		
		9134	2,2',3,4,4',5,5'-Heptachlorobiphenyl (BZ-180)		
		9135	2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ-204)		
		9137	2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ-181)		
		9136	2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ-182)		
		9075	2,2',3,4,4',5',6-Heptachlorobiphenyl (BZ-183)		
		9138	2,2',3,4,4',5-Hexachlorobiphenyl (BZ-137)		
		9025	2,2',3,4,4',5'-Hexachlorobiphenyl (BZ-138)		
		9139	2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ-184)		
		9141	2,2',3,4,4',6-Hexachlorobiphenyl (BZ-139)		
		9140	2,2',3,4,4',6'-Hexachlorobiphenyl (BZ-140)		
		9142	2,2',3,4,4'-Pentachlorobiphenyl (BZ-85)		
		9143	2,2',3,4,5,5',6-Heptachlorobiphenyl (BZ-185)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9080	2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ-187)		
		9030	2,2',3,4,5,5'-Hexachlorobiphenyl (BZ-141)		
		9144	2,2',3,4',5,5'-Hexachlorobiphenyl (BZ-146)		
		9145	2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ-186)		
		9146	2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ-188)		
		9148	2,2',3,4,5,6-Hexachlorobiphenyl (BZ-142)		
		9152	2,2',3,4,5,6'-Hexachlorobiphenyl (BZ-143)		
		9150	2,2',3,4,5',6-Hexachlorobiphenyl (BZ-144)		
		9149	2,2',3,4',5,6-Hexachlorobiphenyl (BZ-147)		
		9147	2,2',3,4',5,6'-Hexachlorobiphenyl (BZ-148)		
		9151	2,2',3,4',5',6-Hexachlorobiphenyl (BZ-149)		
		9153	2,2',3,4,5-Pentachlorobiphenyl (BZ-86)		
		8975	2,2',3,4,5'-Pentachlorobiphenyl (BZ-87)		
		9155	2,2',3,4',5-Pentachlorobiphenyl (BZ-90)		
		9154	2,2',3,4',5'-Pentachlorobiphenyl (BZ-97)		
		9156	2,2',3,4,6,6'-Hexachlorobiphenyl (BZ-145)		
		9157	2,2',3,4',6,6'-Hexachlorobiphenyl (BZ-150)		
		9158	2,2',3,4,6-Pentachlorobiphenyl (BZ-88)		
		9161	2,2',3,4,6'-Pentachlorobiphenyl (BZ-89)		
		9160	2,2',3,4',6-Pentachlorobiphenyl (BZ-91)		
		9159	2,2',3,4',6'-Pentachlorobiphenyl (BZ-98)		
		9163	2,2',3,4-Tetrachlorobiphenyl (BZ-41)		
		9162	2,2',3,4'-Tetrachlorobiphenyl (BZ-42)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9035	2,2',3,5,5',6-Hexachlorobiphenyl (BZ-151)		
		9164	2,2',3,5,5'-Pentachlorobiphenyl (BZ-92)		
		9165	2,2',3,5,6,6'-Hexachlorobiphenyl (BZ-152)		
		9168	2,2',3,5,6-Pentachlorobiphenyl (BZ-93)		
		9167	2,2',3,5,6'-Pentachlorobiphenyl (BZ-94)		
		9166	2,2',3,5',6-Pentachlorobiphenyl (BZ-95)		
		9169	2,2',3,5-Tetrachlorobiphenyl (BZ-43)		
		8945	2,2',3,5'-Tetrachlorobiphenyl (BZ-44)		
		9170	2,2',3,6,6'-Pentachlorobiphenyl (BZ-96)		
		9172	2,2',3,6-Tetrachlorobiphenyl (BZ-45)		
		9171	2,2',3,6'-Tetrachlorobiphenyl (BZ-46)		
		9173	2,2',3-Trichlorobiphenyl (BZ-16)		
		9040	2,2',4,4',5,5'-Hexachlorobiphenyl (BZ-153)		
		9174	2,2',4,4',5,6'-Hexachlorobiphenyl (BZ-154)		
		9175	2,2',4,4',5-Pentachlorobiphenyl (BZ-99)		
		9176	2,2',4,4',6,6'-Hexachlorobiphenyl (BZ-155)		
		9177	2,2',4,4',6-Pentachlorobiphenyl (BZ-100)		
		9178	2,2',4,4'-Tetrachlorobiphenyl (BZ-47)		
		8980	2,2',4,5,5'-Pentachlorobiphenyl (BZ-101)		
		9180	2,2',4,5,6'-Pentachlorobiphenyl (BZ-102)		
		9179	2,2',4,5',6-Pentachlorobiphenyl (BZ-103)		
		9181	2,2',4,5-Tetrachlorobiphenyl (BZ-48)		
		8950	2,2',4,5'-Tetrachlorobiphenyl (BZ-49)		
		9182	2,2',4,6,6'-Pentachlorobiphenyl (BZ-104)		
		9184	2,2',4,6-Tetrachlorobiphenyl (BZ-50)		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9183	2,2',4,6'-Tetrachlorobiphenyl (BZ-51)		
		9185	2,2',4-Trichlorobiphenyl (BZ-17)		
		8955	2,2',5,5'-Tetrachlorobiphenyl (BZ-52)		
		9186	2,2',5,6'-Tetrachlorobiphenyl (BZ-53)		
		8930	2,2',5-Trichlorobiphenyl (BZ-18)		
		9187	2,2',6,6'-Tetrachlorobiphenyl (BZ-54)		
		9188	2,2',6-Trichlorobiphenyl (BZ-19)		
		9189	2,2'-Dichlorobiphenyl (BZ-4)		
		9190	2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ-205)		
		9085	2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ-189)		
		9191	2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ-190)		
		9192	2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ-191)		
		9050	2,3,3',4,4',5-Hexachlorobiphenyl (BZ-156)		
		9045	2,3,3',4,4',5'-Hexachlorobiphenyl (BZ-157)		
		9193	2,3,3',4,4',6-Hexachlorobiphenyl (BZ-158)		
		8985	2,3,3',4,4'-Pentachlorobiphenyl (BZ-105)		
		9194	2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ-192)		
		9195	2,3,3',4',5,5',6-Heptachlorobiphenyl (BZ-193)		
		9196	2,3,3',4,5,5'-Hexachlorobiphenyl (BZ-159)		
		9197	2,3,3',4',5,5'-Hexachlorobiphenyl (BZ-162)		
		9198	2,3,3',4,5,6-Hexachlorobiphenyl (BZ-160)		
		9199	2,3,3',4',5,6-Hexachlorobiphenyl (BZ-163)		
		9201	2,3,3',4',5',6-Hexachlorobiphenyl (BZ-		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			164)		
		9200	2,3,3',4,5',6-Hexachlorobiphenyl (BZ-161)		
		9204	2,3,3',4,5-Pentachlorobiphenyl (BZ-106)		
		9205	2,3,3',4',5-Pentachlorobiphenyl (BZ-107)		
		9203	2,3,3',4,5'-Pentachlorobiphenyl (BZ-108)		
		9202	2,3,3',4',5'-Pentachlorobiphenyl (BZ-122)		
		9206	2,3,3',4,6-Pentachlorobiphenyl (BZ-109)		
		8990	2,3,3',4',6-Pentachlorobiphenyl (BZ-110)		
		9208	2,3,3',4-Tetrachlorobiphenyl (BZ-55)		
		9207	2,3,3',4'-Tetrachlorobiphenyl (BZ-56)		
		9209	2,3,3',5,5',6-Hexachlorobiphenyl (BZ-165)		
		9210	2,3,3',5,5'-Pentachlorobiphenyl (BZ-111)		
		9211	2,3,3',5,6-Pentachlorobiphenyl (BZ-112)		
		9212	2,3,3',5',6-Pentachlorobiphenyl (BZ-113)		
		9214	2,3,3',5-Tetrachlorobiphenyl (BZ-57)		
		9213	2,3,3',5'-Tetrachlorobiphenyl (BZ-58)		
		9215	2,3,3',6-Tetrachlorobiphenyl (BZ-59)		
		9216	2,3,3'-Trichlorobiphenyl (BZ-20)		
		9055	2,3',4,4',5,5'-Hexachlorobiphenyl (BZ-167)		
		9217	2,3,4,4',5,6-Hexachlorobiphenyl (BZ-166)		
		9218	2,3',4,4',5',6-Hexachlorobiphenyl (BZ-168)		
		9005	2,3,4,4',5-Pentachlorobiphenyl (BZ-114)		
		8995	2,3',4,4',5-Pentachlorobiphenyl (BZ-		

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			118)		
		9000	2,3',4,4',5'-Pentachlorobiphenyl (BZ-123)		
		9219	2,3,4,4',6-Pentachlorobiphenyl (BZ-115)		
		9220	2,3',4,4',6-Pentachlorobiphenyl (BZ-119)		
		9221	2,3,4,4'-Tetrachlorobiphenyl (BZ-60)		
		8960	2,3',4,4'-Tetrachlorobiphenyl (BZ-66)		
		9223	2,3',4,5,5'-Pentachlorobiphenyl (BZ-120)		
		9222	2,3',4',5,5'-Pentachlorobiphenyl (BZ-124)		
		9225	2,3,4,5,6-Pentachlorobiphenyl (BZ-116)		
		9227	2,3,4',5,6-Pentachlorobiphenyl (BZ-117)		
		9226	2,3',4,5',6-Pentachlorobiphenyl (BZ-121)		
		9224	2,3',4',5',6-Pentachlorobiphenyl (BZ-125)		
		9228	2,3,4,5-Tetrachlorobiphenyl (BZ-61)		
		9233	2,3,4',5-Tetrachlorobiphenyl (BZ-63)		
		9231	2,3',4,5'-Tetrachlorobiphenyl (BZ-68)		
		9230	2,3',4',5-Tetrachlorobiphenyl (BZ-70)		
		9229	2,3',4',5'-Tetrachlorobiphenyl (BZ-76)		
		9232	2,3',4,5-Tetrachlorobiphenyl (BZ-67)		
		9234	2,3,4,6-Tetrachlorobiphenyl (BZ-62)		
		9236	2,3,4',6-Tetrachlorobiphenyl (BZ-64)		
		9235	2,3',4,6-Tetrachlorobiphenyl (BZ-69)		
		9237	2,3',4',6-Tetrachlorobiphenyl (BZ-71)		
		9238	2,3,4-Trichlorobiphenyl (BZ-21)		
		9241	2,3,4'-Trichlorobiphenyl (BZ-22)		
		9240	2,3',4-Trichlorobiphenyl (BZ-25)		
		9239	2,3',4'-Trichlorobiphenyl (BZ-33)		
		9242	2,3',5,5'-Tetrachlorobiphenyl (BZ-72)		
		9243	2,3,5,6-Tetrachlorobiphenyl (BZ-65)		

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EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9244	2,3',5',6-Tetrachlorobiphenyl (BZ-73)		
		9245	2,3,5-Trichlorobiphenyl (BZ-23)		
		8935	2,3',5-Trichlorobiphenyl (BZ-26)		
		9246	2,3',5'-Trichlorobiphenyl (BZ-34)		
		9247	2,3,6-Trichlorobiphenyl (BZ-24)		
		9248	2,3',6-Trichlorobiphenyl (BZ-27)		
		8920	2,3-Dichlorobiphenyl (BZ-5)		
		9249	2,3'-Dichlorobiphenyl (BZ-6)		
		9250	2,4,4',5-Tetrachlorobiphenyl (BZ-74)		
		9251	2,4,4',6-Tetrachlorobiphenyl (BZ-75)		
		9252	2,4,4'-Trichlorobiphenyl (BZ-28)		
		9253	2,4,5-Trichlorobiphenyl (BZ-29)		
		8940	2,4',5-Trichlorobiphenyl (BZ-31)		
		9254	2,4,6-Trichlorobiphenyl (BZ-30)		
		9255	2,4',6-Trichlorobiphenyl (BZ-32)		
		9257	2,4-Dichlorobiphenyl (BZ-7)		
		9256	2,4'-Dichlorobiphenyl (BZ-8)		
		9258	2,5-Dichlorobiphenyl (BZ-9)		
		9259	2,6-Dichlorobiphenyl (BZ-10)		
		8915	2-Chlorobiphenyl (BZ-1)		
		9060	3,3',4,4',5,5'-Hexachlorobiphenyl (BZ-169)		
		9015	3,3',4,4',5-Pentachlorobiphenyl (BZ-126)		
		8965	3,3',4,4'-Tetrachlorobiphenyl (BZ-77)		
		9260	3,3',4,5,5'-Pentachlorobiphenyl (BZ-127)		
		9262	3,3',4,5-Tetrachlorobiphenyl (BZ-78)		
		9261	3,3',4,5'-Tetrachlorobiphenyl (BZ-79)		
		9263	3,3',4-Trichlorobiphenyl (BZ-35)		
		9264	3,3',5,5'-Tetrachlorobiphenyl (BZ-80)		
		9265	3,3',5-Trichlorobiphenyl (BZ-36)		
		8925	3,3'-Dichlorobiphenyl (BZ-11)		

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1

El Dorado Hills, CA 95762

ORELAP ID: 4049

EPA CODE: CA01612

Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

As of 2/14/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		8970	3,4,4',5-Tetrachlorobiphenyl (BZ-81)		
		9266	3,4,4'-Trichlorobiphenyl (BZ-37)		
		9267	3,4,5-Trichlorobiphenyl (BZ-38)		
		9268	3,4',5-Trichlorobiphenyl (BZ-39)		
		9270	3,4-Dichlorobiphenyl (BZ-12)		
		9269	3,4'-Dichlorobiphenyl (BZ-13)		
		9271	3,5-Dichlorobiphenyl (BZ-14)		
		9272	3-Chlorobiphenyl (BZ-2)		
		9273	4,4'-Dichlorobiphenyl (BZ-15)		
		9274	4-Chlorobiphenyl (BZ-3)		
		9105	Decachlorobiphenyl (BZ-209)		
		8876	Total Dichlorobiphenyls		
		8877	Total Heptachlorobiphenyls		
		8888	Total Hexachlorobiphenyls		
		8889	Total Monochlorobiphenyls		
		8891	Total Nonachlorobiphenyls		
		8892	Total Octachlorobiphenyls		
		8896	Total Pentachlorobiphenyls		
		8893	Total Tetrachlorobiphenyls		
		8894	Total Trichlorobiphenyls		
	EPA 8290A			10187403	Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS
		9516	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)		
		9519	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)		
		9420	1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf)		
		9426	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd)		
		9423	1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf)		
		9471	1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-Hxcdf)		

OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

Ceres Analytical Laboratory, Inc.
4919 Windplay Dr., Suite 1
El Dorado Hills, CA 95762

ORELAP ID: 4049
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Certificate: 4049 - 009

Issue Date: 2/14/2021 Expiration Date: 2/13/2022

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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
		9453	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-Hxcdd)		
		9474	1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-Hxcdf)		
		9456	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin(1,2,3,6,7,8-Hxcdd)		
		9477	1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-Hxcdf)		
		9459	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-Hxcdd)		
		9543	1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-Pecdf)		
		9540	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-Pecdd)		
		9480	2,3,4,6,7,8-Hexachlorodibenzofuran		
		9549	2,3,4,7,8-Pentachlorodibenzofuran		
		9618	2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD)		
		9612	2,3,7,8-Tetrachlorodibenzofuran		
		9438	Hpcdd, total		
		9444	Hpcdf, total		
		9468	Hxcdd, total		
		9483	Hxcdf, total		
		9555	Pecdd, total		
		9552	Pecdf, total		
		9609	TCDD, total		
		9615	TCDF, total		

OREGON

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation

Ceres Analytical Laboratory, Inc.

4919 Windplay Dr., Suite 1
El Dorado Hills, CA 95762

ORELAP ID: 4049
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Issue Date: 2/14/2021 Expiration Date: 2/13/2022

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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 - San Diego

California

4340 Vandever Avenue

San Diego, CA 92120

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.: **1802**

Expiration Date: **9/30/2022**

Effective Date: **10/1/2020**

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 - San Diego
California
4340 Vandever Avenue
San Diego, CA 92120
Phone: 8585877333

Certificate No. **1802**
Expiration Date **9/30/2022**

Field of Testing: 113 - Environmental Toxicity Methods

113.010	001	Fathead Minnow (P. promelas)	Polisini & Miller (CDFG 1988)
113.011	001A	Fathead Minnow (P. promelas)	EPA 2000.0, Static
113.011	001B	Fathead Minnow (P. promelas)	EPA 2000.0, Static Renewal
113.012	011A	Daphnid (C. dubia)	EPA 2002.0, Static
113.012	011B	Daphnid (C. dubia)	EPA 2002.0, Static Renewal
113.014	012A	Daphnids (Daphnia spp.)	EPA 2021.0, Static
113.014	012B	Daphnids (Daphnia spp.)	EPA 2021.0, Static Renewal
113.015	017B	Amphipod (Hyalella spp.)	EPA-821-R-02-012, Static Renewal
113.021	006A	Silverside (Menidia spp.)	EPA 2006.0, Static
113.021	006B	Silverside (Menidia spp.)	EPA 2006.0, Static Renewal
113.022	009A	Mysid (M. bahia)	EPA 2007.0, Static
113.022	009B	Mysid (M. bahia)	EPA 2007.0, Static Renewal
113.023	007A	Topsmelt (A. affinis)	EPA-821-R-02-012, Static
113.023	007B	Topsmelt (A. affinis)	EPA-821-R-02-012, Static Renewal
113.030	001	Fathead Minnow (P. promelas)	EPA 1000.0
113.032	011	Daphnid (C. dubia)	EPA 1002.0
113.033	025	Green algae (S. capricornutum)	EPA 1003.0
113.034	025	Green algae (S. capricornutum)	ASTM E1218-04
113.042	006	Silverside (Menidia spp.)	EPA 1006.0
113.043	009	Mysid (M. bahia)	EPA 1007.0
113.045	007	Topsmelt (A. affinis)	EPA 600/R-95/136
113.045	019A	Sand dollar (D. excentricus)	EPA 600/R-95/136, Fertilization Test
113.045	019B	Sand dollar (D. excentricus)	EPA 600/R-95/136, Development Test
113.045	021A	Purple sea urchin (S. purpuratus)	EPA 600/R-95/136, Fertilization Test
113.045	021B	Purple sea urchin (S. purpuratus)	EPA 600/R-95/136, Development Test
113.045	022	Red abalone (H. rufescens)	EPA 600/R-95/136
113.045	023	Mussels (Mytilus spp.)	EPA 600/R-95/136
113.045	024	Giant Kelp (M. pyrifera)	EPA 600/R-95/136
113.050	013	Amphipod (H. azteca)	EPA 600/R-99/064, EPA 100.1
113.051	008	Midge (C. tentans)	EPA 600/R-99/064, EPA 100.2
113.052	027	Oligochaete (L. variegatus)	EPA 600/R-99/064, EPA 100.3
113.053	013	Amphipod (H. azteca)	EPA 600/R-99/064, EPA 100.4
113.054	008	Midge (C. tentans)	EPA 600/R-99/064, EPA 100.5

As of 10/1/2020 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

113.060	014	Amphipod (E. estuarius)	EPA 600/R-94/025, EPA 100.4
113.060	015	Amphipod (L. plumulosus)	EPA 600/R-94/025, EPA 100.4
113.060	016	Amphipod (R. abronius)	EPA 600/R-94/025, EPA 100.4
113.060	028	Amphipod (A. abdita)	EPA 600/R-94/025, EPA 100.4

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Eurofins Calscience, LLC

7440 Lincoln Way

Garden Grove, CA 92841-1427

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2944**

Effective Date: **10/1/2020**

Expiration Date: **9/30/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

Eurofins Calscience, LLC

7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 7148955494

Certificate Number: 2944
Expiration Date: 9/30/2022

Field of Accreditation:102 - Inorganic Chemistry of Drinking Water			
102.040	003	Chlorate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.264	001	Organic Carbon-Total (TOC)	SM 5310 D-2000
102.265	001	Dissolved Organic Carbon (DOC)	SM 5310 D-2000
Field of Accreditation:103 - Toxic Chemical Elements of Drinking Water			
103.140	019	Strontium	EPA 200.8
Field of Accreditation:104 - Volatile Organic Chemistry of Drinking Water			
104.030	001	1,2-Dibromoethane (EDB)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2

104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2

Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water

105.085	001	1,4-Dioxane	EPA 522

Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water

108.001	001	Specific Conductance	EPA 120.1 (1982 Rev.1.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus,Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)

108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	007	Phosphate,Ortho (as P)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.035	001	Phosphate,Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus,Total	EPA 365.1 (1993 Rev. 2.0)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.047	001	Phenols, Total	EPA 420.1 (1978 Rev. 1.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.055	001	Color	SM 2120 B-2011
108.059	001	Turbidity	SM 2130 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.067	001	Hardness	SM 2340 C-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.109	001	Chlorine, Total Residual	SM 4500-Cl F-2011
108.117	001	Chloride	SM 4500-Chloride C-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.131	001	Fluoride	SM 4500-F C-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.139	001	Ammonia (as N)	SM 4500-NH3 C-2011
108.139	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 C-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011
108.157	001	Nitrate-Nitrite (as N)	SM 4500-NO3 E-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus,Total	SM 4500-P E-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011

108.219	001	Organic Carbon-Total (TOC)	SM 5310 D-2011
108.225	001	Surfactants	SM 5540 C-2011

Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)

109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.693	001	Iron	SM 3500-Fe B-2011

Field of Accreditation: 110 - Volatile Organic Constituents in Non-Potable Water

110.020	001	Benzene	EPA 602
110.020	006	Ethylbenzene	EPA 602
110.020	007	Toluene	EPA 602
110.040	001	Acetone	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1

110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.070	001	Acenaphthene	EPA 610
111.070	002	Acenaphthylene	EPA 610
111.070	003	Anthracene	EPA 610
111.070	004	Benzo(a)anthracene	EPA 610
111.070	005	Benzo(a)pyrene	EPA 610
111.070	006	Benzo(b)fluoranthene	EPA 610

111.070	007	Benzo(g,h,i)perylene	EPA 610
111.070	008	Benzo(k)fluoranthene	EPA 610
111.070	009	Chrysene	EPA 610
111.070	010	Dibenz(a,h)anthracene	EPA 610
111.070	011	Fluoranthene	EPA 610
111.070	012	Fluorene	EPA 610
111.070	013	Indeno(1,2,3-c,d)pyrene	EPA 610
111.070	014	Naphthalene	EPA 610
111.070	015	Phenanthrene	EPA 610
111.070	016	Pyrene	EPA 610
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropropane])	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1

111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	140	Carbazole	EPA 625.1
111.160	141	o-Cresol	EPA 625.1
111.160	143	1,2-Diphenylhydrazine	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.260	041	N-nitrosodimethylamine	EPA 1625 B

Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B

114.010	016	Zinc	EPA 6010 B	
114.020	001	Antimony	EPA 6020	
114.020	002	Arsenic	EPA 6020	
114.020	003	Barium	EPA 6020	
114.020	004	Beryllium	EPA 6020	
114.020	005	Cadmium	EPA 6020	
114.020	006	Chromium	EPA 6020	
114.020	007	Cobalt	EPA 6020	
114.020	008	Copper	EPA 6020	
114.020	009	Lead	EPA 6020	
114.020	010	Molybdenum	EPA 6020	
114.020	011	Nickel	EPA 6020	
114.020	012	Selenium	EPA 6020	
114.020	013	Silver	EPA 6020	
114.020	014	Thallium	EPA 6020	
114.020	015	Vanadium	EPA 6020	
114.020	016	Zinc	EPA 6020	
114.103	001	Chromium VI (Hexavalent Chromium)	EPA 7196 A	
114.106	001	Chromium VI (Hexavalent Chromium)	EPA 7199	
114.140	001	Mercury	EPA 7470 A	Aqueous Only
114.141	001	Mercury	EPA 7471 A	
114.222	001	Cyanide, Total	EPA 9014	
114.241	001	Corrosivity - pH Determination	EPA 9045 C	
114.250	001	Fluoride	EPA 9056	
114.280	001	Organic Lead	HML 939-M	

Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311	
115.021	001	TCLP Inorganics	EPA 1311	
115.022	001	TCLP Extractables	EPA 1311	
115.023	001	TCLP Volatiles	EPA 1311	
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appe	
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312	

Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste

116.020	030	Nonhalogenated Volatiles	EPA 8015 B	
116.030	001	Gasoline Range Organics (GRO)	EPA 8015 B	
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021 B	
116.040	061	Aromatic Volatiles	EPA 8021 B	
116.040	062	BTEX	EPA 8021 B	
116.080	000	Volatile Organic Compounds	EPA 8260 B	
116.080	120	Oxygenates	EPA 8260 B	
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS	
116.100	010	BTEX and MTBE	LUFT GC/MS	

116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel Range Organics (DRO)	EPA 8015 B
117.016	001	Diesel Range Organics (DRO)	LUFT
117.110	000	Extractable Organics	EPA 8270 C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.170	000	Nitroaromatics and Nitramines	EPA 8330
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A

Field of Accreditation:120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.080	001	Corrosivity - pH Determination	EPA 9045 C

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Fruit Growers Laboratory, Inc.

Santa Paula

853 Corporation Street

Santa Paula, CA 93060

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1573**

Effective Date: **8/1/2021**

Expiration Date: **7/31/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

Fruit Growers Laboratory, Inc.
Santa Paula
853 Corporation Street
Santa Paula, CA 93060
Phone: 8053922000

Certificate Number: **1573**
Expiration Date: **7/31/2023**

Field of Accreditation: 101 - Microbiology of Drinking Water

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 Accreditation: 102 - Inorganic Chemistry of Drinking Water

102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	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	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 Accreditation:103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	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
103.310	001	Chromium VI (Hexavalent Chromium)	EPA 218.6

Field of Accreditation: 104 - Volatile Organic Chemistry of Drinking Water

104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropen	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2

104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2

Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505
105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	001	Aldicarb (Temik)	EPA 531.1

105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl (Sevin)	EPA 531.1
105.100	005	Carbofuran (Furadan)	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl (Lannate)	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.175	001	Bromodichloromethane	EPA 551.1
105.175	002	Bromoform	EPA 551.1
105.175	003	Chloroform	EPA 551.1
105.175	004	Dibromochloromethane (Chlorodibromomethane)	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

Field of Accreditation:106 - Radionuclides in Drinking Water

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 Accreditation:107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
107.013	001	E. coli (Enumeration)	SM 9223 B-2004 Colilert
107.015	001	E. coli (Enumeration)	SM 9223 B-2004 Colilert 18
107.017	001	Enterococci	Enterolert

Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water

108.007	001	Residue, Volatile	EPA 160.4 (1971)
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)
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)
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.047	001	Phenols, Total	EPA 420.1 (1978 Rev. 1.0)
108.053	001	Oil & Grease Total	EPA 1664 A
108.059	001	Turbidity	SM 2130 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
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.125	001	Cyanide, Total	SM 4500-CN E-2011
108.147	001	Ammonia (as N)	SM 4500-NH3 G-2011
108.153	001	Nitrite (as N)	SM 4500-NO2 B-2011
108.159	001	Nitrate-Nitrite (as N)	SM 4500-NO3 F-2011
108.159	002	Nitrite (as N)	SM 4500-NO3 F-2011
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus,Total	SM 4500-P E-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.213	001	Chemical Oxygen Demand	SM 5220 D-2011
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011
108.225	001	Surfactants	SM 5540 C-2011

Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)

109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium VI (Hexavalent Chromium)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)

Field of Accreditation:110 - Volatile Organic Constituents in Non-Potable Water

110.040	001	Acetone	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1

110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropen	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1
110.040	047	2-Butanone (MEK)	EPA 624.1

Field of Accreditation: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3

111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	bis(2-Chloroisopropyl) ether (2,2'-Oxybis[1-chloropro	EPA 625.1
111.160	013	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1

111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitroso-di-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.160	052	Aldrin	EPA 625.1
111.160	055	Atrazine	EPA 625.1
111.160	058	alpha-BHC	EPA 625.1
111.160	059	beta-BHC	EPA 625.1
111.160	060	delta-BHC	EPA 625.1
111.160	061	gamma-BHC (Lindane)	EPA 625.1
111.160	073	Chlorpyrifos	EPA 625.1
111.160	076	4,4'-DDD	EPA 625.1
111.160	077	4,4'-DDE	EPA 625.1
111.160	078	4,4'-DDT	EPA 625.1
111.160	081	Diazinon	EPA 625.1
111.160	083	Dieldrin	EPA 625.1
111.160	085	Disulfoton	EPA 625.1
111.160	086	Endosulfan I	EPA 625.1
111.160	087	Endosulfan II	EPA 625.1
111.160	088	Endosulfan Sulfate	EPA 625.1

111.160	089	Endrin	EPA 625.1
111.160	090	Endrin Aldehyde	EPA 625.1
111.160	096	Heptachlor	EPA 625.1
111.160	097	Heptachlor Epoxide	EPA 625.1
111.160	098	Hexachlorocyclopentadiene	EPA 625.1
111.160	100	Malathion	EPA 625.1
111.160	102	Methoxychlor	EPA 625.1
111.160	108	N-nitrosodimethylamine	EPA 625.1
111.160	110	N-nitrosodiphenylamine	EPA 625.1
111.160	129	Simazine	EPA 625.1
111.160	138	Trifluralin	EPA 625.1
111.160	145	Pyridine	EPA 625.1
111.160	151	2,4,5-Trichlorophenol	EPA 625.1

Field of Accreditation: 112 - Radionuclides in Non-Potable Water

112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0
112.003	001	Total Alpha Radium	EPA 903.0

Field of Accreditation: 114 - Inorganic Constituents in Hazardous Waste

114.315	002	Antimony	EPA 6010 B
114.315	003	Arsenic	EPA 6010 B
114.315	004	Barium	EPA 6010 B
114.315	005	Beryllium	EPA 6010 B
114.315	007	Cadmium	EPA 6010 B
114.315	009	Chromium	EPA 6010 B
114.315	010	Cobalt	EPA 6010 B
114.315	011	Copper	EPA 6010 B
114.315	013	Lead	EPA 6010 B
114.315	016	Molybdenum	EPA 6010 B
114.315	017	Nickel	EPA 6010 B
114.315	019	Selenium	EPA 6010 B
114.315	020	Silver	EPA 6010 B
114.315	023	Thallium	EPA 6010 B
114.315	026	Vanadium	EPA 6010 B
114.315	027	Zinc	EPA 6010 B
114.335	003	Arsenic	EPA 6020
114.335	005	Beryllium	EPA 6020
114.335	006	Cadmium	EPA 6020
114.335	007	Chromium	EPA 6020
114.335	008	Cobalt	EPA 6020
114.335	010	Lead	EPA 6020
114.335	012	Nickel	EPA 6020
114.335	014	Thallium	EPA 6020

Field of Accreditation: 115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.055	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.135	001	Corrosivity - pH Determination	EPA 9045 C

Field of Accreditation: 116 - Volatile Organic Compounds in Hazardous Waste

116.265	001	Benzene	EPA 8260 B
116.265	002	Bromobenzene	EPA 8260 B
116.265	003	Bromochloromethane	EPA 8260 B
116.265	004	Bromodichloromethane	EPA 8260 B
116.265	005	Bromoform	EPA 8260 B
116.265	006	Bromomethane (Methyl Bromide)	EPA 8260 B
116.265	007	n-Butylbenzene	EPA 8260 B
116.265	008	sec-Butylbenzene	EPA 8260 B
116.265	009	tert-Butylbenzene	EPA 8260 B
116.265	010	Carbon Disulfide	EPA 8260 B
116.265	011	Carbon Tetrachloride	EPA 8260 B
116.265	012	Chlorobenzene	EPA 8260 B
116.265	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
116.265	014	Chloroethane	EPA 8260 B
116.265	015	Chloroform	EPA 8260 B
116.265	016	Chloromethane (Methyl Chloride)	EPA 8260 B
116.265	017	Dibromomethane	EPA 8260 B
116.265	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
116.265	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
116.265	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
116.265	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
116.265	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropen	EPA 8260 B
116.265	023	Ethylbenzene	EPA 8260 B
116.265	024	Hexachlorobutadiene	EPA 8260 B
116.265	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
116.265	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
116.265	029	N-propylbenzene	EPA 8260 B
116.265	030	Styrene	EPA 8260 B
116.265	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
116.265	032	Toluene	EPA 8260 B
116.265	033	Trichloroethylene (Trichloroethene)	EPA 8260 B
116.265	034	Trichlorofluoromethane	EPA 8260 B
116.265	035	Vinyl Chloride	EPA 8260 B
116.265	036	m+p-Xylene	EPA 8260 B
116.265	037	o-Xylene	EPA 8260 B
116.265	038	m-Xylene	EPA 8260 B
116.265	039	p-Xylene	EPA 8260 B
116.265	040	1,1-Dichloroethane	EPA 8260 B

116.265	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
116.265	042	1,1,1-Trichloroethane	EPA 8260 B
116.265	043	1,1,1,2-Tetrachloroethane	EPA 8260 B
116.265	044	1,1,2,2-Tetrachloroethane	EPA 8260 B
116.265	045	1,1,2-Trichloroethane	EPA 8260 B
116.265	046	1,2-Dichlorobenzene	EPA 8260 B
116.265	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
116.265	048	1,2-Dibromoethane (EDB)	EPA 8260 B
116.265	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
116.265	050	1,2-Dichloropropane	EPA 8260 B
116.265	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
116.265	052	1,2,4-Trichlorobenzene	EPA 8260 B
116.265	053	1,3-Dichlorobenzene	EPA 8260 B
116.265	054	1,4-Dichlorobenzene	EPA 8260 B
116.265	055	2-Chloroethyl vinyl Ether	EPA 8260 B
116.265	056	4-Chlorotoluene	EPA 8260 B
116.265	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B

Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.235	002	Diesel Range Organics (DRO)	EPA 8015 B

Field of Accreditation:126 - Microbiological Methods for Ambient Water

126.003	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.015	001	E. coli (Enumeration)	SM 9223 B-2004 Colilert
126.017	001	E. coli (Enumeration)	SM 9223 B-2004 Colilert 18
126.019	001	Enterococci	Enterolert

Field of Accreditation:130 - Inorganic constituents in Hazardous waste (Matrix Aqueous)

130.010	002	Antimony	EPA 6010 B
130.010	003	Arsenic	EPA 6010 B
130.010	004	Barium	EPA 6010 B
130.010	005	Beryllium	EPA 6010 B
130.010	007	Cadmium	EPA 6010 B
130.010	009	Chromium	EPA 6010 B
130.010	010	Cobalt	EPA 6010 B
130.010	011	Copper	EPA 6010 B
130.010	013	Lead	EPA 6010 B
130.010	016	Molybdenum	EPA 6010 B
130.010	017	Nickel	EPA 6010 B
130.010	019	Selenium	EPA 6010 B
130.010	020	Silver	EPA 6010 B
130.010	023	Thallium	EPA 6010 B
130.010	026	Vanadium	EPA 6010 B
130.010	027	Zinc	EPA 6010 B

130.030	003	Arsenic	EPA 6020
130.030	005	Beryllium	EPA 6020
130.030	006	Cadmium	EPA 6020
130.030	007	Chromium	EPA 6020
130.030	008	Cobalt	EPA 6020
130.030	010	Lead	EPA 6020
130.030	012	Nickel	EPA 6020
130.030	014	Thallium	EPA 6020

Field of Accreditation:131 - Leaching/Extraction, Physical Chacterstics in Hazardous Waste (Matrix Aqueous)

131.010	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Accreditation:132 - Volatile Organic Compounds in Hazardous Waste (Matrix Aqueous)

132.060	001	Benzene	EPA 8260 B
132.060	002	Bromobenzene	EPA 8260 B
132.060	003	Bromochloromethane	EPA 8260 B
132.060	004	Bromodichloromethane	EPA 8260 B
132.060	005	Bromoform	EPA 8260 B
132.060	006	Bromomethane (Methyl Bromide)	EPA 8260 B
132.060	007	n-Butylbenzene	EPA 8260 B
132.060	008	sec-Butylbenzene	EPA 8260 B
132.060	009	tert-Butylbenzene	EPA 8260 B
132.060	010	Carbon Disulfide	EPA 8260 B
132.060	011	Carbon Tetrachloride	EPA 8260 B
132.060	012	Chlorobenzene	EPA 8260 B
132.060	013	Chlorodibromomethane (Dibromochloromethane)	EPA 8260 B
132.060	014	Chloroethane	EPA 8260 B
132.060	015	Chloroform	EPA 8260 B
132.060	016	Chloromethane (Methyl Chloride)	EPA 8260 B
132.060	017	Dibromomethane	EPA 8260 B
132.060	018	Dichlorodifluoromethane (Freon 12)	EPA 8260 B
132.060	019	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 8260 B
132.060	020	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 8260 B
132.060	021	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 8260 B
132.060	022	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropen	EPA 8260 B
132.060	023	Ethylbenzene	EPA 8260 B
132.060	024	Hexachlorobutadiene	EPA 8260 B
132.060	025	Methyl tert-butyl Ether (MTBE)	EPA 8260 B
132.060	026	Methylene Chloride (Dichloromethane)	EPA 8260 B
132.060	027	Naphthalene	EPA 8260 B
132.060	029	N-propylbenzene	EPA 8260 B
132.060	030	Styrene	EPA 8260 B
132.060	031	Tetrachloroethylene (Tetrachloroethene)	EPA 8260 B
132.060	032	Toluene	EPA 8260 B

132.060	033	Trichloroethylene (Trichloroethene)	EPA 8260 B
132.060	034	Trichlorofluoromethane	EPA 8260 B
132.060	035	Vinyl Chloride	EPA 8260 B
132.060	036	m+p-Xylene	EPA 8260 B
132.060	037	o-Xylene	EPA 8260 B
132.060	038	m-Xylene	EPA 8260 B
132.060	039	p-Xylene	EPA 8260 B
132.060	040	1,1-Dichloroethane	EPA 8260 B
132.060	041	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 8260 B
132.060	042	1,1,1-Trichloroethane	EPA 8260 B
132.060	043	1,1,1,2-Tetrachloroethane	EPA 8260 B
132.060	044	1,1,2,2-Tetrachloroethane	EPA 8260 B
132.060	045	1,1,2-Trichloroethane	EPA 8260 B
132.060	046	1,2-Dichlorobenzene	EPA 8260 B
132.060	047	1,2-Dichloroethane (Ethylene Dichloride)	EPA 8260 B
132.060	048	1,2-Dibromoethane (EDB)	EPA 8260 B
132.060	049	1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260 B
132.060	050	1,2-Dichloropropane	EPA 8260 B
132.060	051	1,2,3-Trichloropropane (TCP)	EPA 8260 B
132.060	052	1,2,4-Trichlorobenzene	EPA 8260 B
132.060	053	1,3-Dichlorobenzene	EPA 8260 B
132.060	054	1,4-Dichlorobenzene	EPA 8260 B
132.060	055	2-Chloroethyl vinyl Ether	EPA 8260 B
132.060	056	4-Chlorotoluene	EPA 8260 B
132.060	057	4-Methyl-2-pentanone (Methyl Isobutyl Ketone)	EPA 8260 B

Field of Accreditation:133 - Semi-Volatile Organic Chemistry in Hazardous Waste (Matrix Aqueous)

133.010	002	Diesel Range Organics (DRO)	EPA 8015 B
133.090	001	Aldrin	EPA 8081 A
133.090	002	alpha-BHC	EPA 8081 A
133.090	003	beta-BHC	EPA 8081 A
133.090	004	delta-BHC	EPA 8081 A
133.090	005	gamma-BHC (Lindane)	EPA 8081 A
133.090	007	trans-Chlordane	EPA 8081 A
133.090	008	4,4'-DDD	EPA 8081 A
133.090	009	4,4'-DDE	EPA 8081 A
133.090	010	4,4'-DDT	EPA 8081 A
133.090	011	Dieldrin	EPA 8081 A
133.090	012	Endosulfan I	EPA 8081 A
133.090	013	Endosulfan II	EPA 8081 A
133.090	014	Endosulfan Sulfate	EPA 8081 A
133.090	015	Endrin	EPA 8081 A
133.090	016	Endrin Aldehyde	EPA 8081 A

133.090	017	Endrin Ketone	EPA 8081 A
133.090	018	Heptachlor	EPA 8081 A
133.090	019	Heptachlor Epoxide	EPA 8081 A
133.090	020	Methoxychlor	EPA 8081 A
133.090	021	Toxaphene	EPA 8081 A
133.120	001	Aroclor 1016	EPA 8082
133.120	002	Aroclor 1221	EPA 8082
133.120	003	Aroclor 1232	EPA 8082
133.120	004	Aroclor 1242	EPA 8082
133.120	005	Aroclor 1248	EPA 8082
133.120	006	Aroclor 1254	EPA 8082
133.120	007	Aroclor 1260	EPA 8082
133.190	001	Azinphos Methyl	EPA 8141 A
133.190	002	Chlorpyrifos	EPA 8141 A
133.190	003	Demeton-O	EPA 8141 A
133.190	004	Demeton-S	EPA 8141 A
133.190	005	Diazinon	EPA 8141 A
133.190	006	Dichlorvos (DDVP)	EPA 8141 A
133.190	007	Disulfoton	EPA 8141 A
133.190	008	Malathion	EPA 8141 A
133.190	009	Parathion Ethyl	EPA 8141 A
133.190	010	Parathion Methyl	EPA 8141 A
133.190	011	Phorate	EPA 8141 A
133.190	012	Ronnel	EPA 8141 A
133.190	013	Stirophos (Tetrachlorovinphos)	EPA 8141 A
133.230	001	Acenaphthene	EPA 8270 C
133.230	002	Acenaphthylene	EPA 8270 C
133.230	003	Aniline	EPA 8270 C
133.230	004	Anthracene	EPA 8270 C
133.230	005	Benzidine	EPA 8270 C
133.230	006	Benzoic Acid	EPA 8270 C
133.230	007	Benzo(a)anthracene	EPA 8270 C
133.230	008	Benzo(b)fluoranthene	EPA 8270 C
133.230	009	Benzo(k)fluoranthene	EPA 8270 C
133.230	010	Benzo(g,h,i)perylene	EPA 8270 C
133.230	011	Benzo(a)pyrene	EPA 8270 C
133.230	012	Benzyl Alcohol	EPA 8270 C
133.230	013	Bis(2-chloroethoxy) Methane	EPA 8270 C
133.230	014	Bis(2-chloroethyl) Ether	EPA 8270 C
133.230	015	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 8270 C
133.230	016	Butyl Benzyl Phthalate	EPA 8270 C
133.230	017	Chrysene	EPA 8270 C

133.230	018	Dibenz(a,h)anthracene	EPA 8270 C
133.230	019	Dibenzofuran	EPA 8270 C
133.230	020	Di-n-butyl Phthalate	EPA 8270 C
133.230	021	Diethyl Phthalate	EPA 8270 C
133.230	022	Dimethyl Phthalate	EPA 8270 C
133.230	023	Di-n-octyl Phthalate	EPA 8270 C
133.230	024	Fluoranthene	EPA 8270 C
133.230	025	Fluorene	EPA 8270 C
133.230	026	Naphthalene	EPA 8270 C
133.230	027	Nitrobenzene	EPA 8270 C
133.230	029	Pentachlorophenol	EPA 8270 C
133.230	031	1,2-Dichlorobenzene	EPA 8270 C
133.230	032	1,3-Dichlorobenzene	EPA 8270 C
133.230	033	1,4-Dichlorobenzene	EPA 8270 C
133.230	034	2-Chloronaphthalene	EPA 8270 C
133.230	035	2-Chlorophenol	EPA 8270 C
133.230	036	2,4-Dichlorophenol	EPA 8270 C
133.230	037	2,4-Dimethylphenol	EPA 8270 C
133.230	038	2,4-Dinitrophenol	EPA 8270 C
133.230	039	2,4-Dinitrotoluene	EPA 8270 C
133.230	041	2,6-Dinitrotoluene	EPA 8270 C
133.230	042	2-Nitroaniline	EPA 8270 C
133.230	043	2-Nitrophenol	EPA 8270 C
133.230	044	3-Nitroaniline	EPA 8270 C
133.230	045	3,3'-Dichlorobenzidine	EPA 8270 C
133.230	046	4-Chloroaniline	EPA 8270 C
133.230	047	4-Chloro-3-methylphenol	EPA 8270 C
133.230	048	4-Bromophenyl Phenyl Ether	EPA 8270 C
133.230	049	4-Chlorophenyl Phenyl Ether	EPA 8270 C
133.230	050	4-Nitroaniline	EPA 8270 C
133.230	051	4-Nitrophenol	EPA 8270 C

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

Accredited Fields of Testing

LA Testing

Huntington Beach, CA

5431 Industrial Drive

Huntington Beach, CA 92649

Phone: (714) 828-4999

Certificate No. **1406**

Expiration Date **1/31/2022**

***As of 2/1/2020, this list supersedes all previous lists for this certificate number.**

Customers: Please verify the current accreditation standing with the State.

Field of Testing: 102 – Inorganic Chemistry of Drinking Water

Subgroup Code	Analyte Code	Analyte	Method
102.020	001	Turbidity	EPA 180.1

Field of Testing: 109 – Metals and Trace Elements in Non-Potable Water

Subgroup Code	Analyte Code	Analyte	Method
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)

Field of Testing: 114 – Inorganic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B

Subgroup Code	Analyte Code	Analyte	Method
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 115 – Extraction Test of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 117 – Semi-volatile Organic Chemistry of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
117.220	000	PCBs	EPA 8082

Field of Testing: 120 – Physical Properties of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
120.070	001	Corrosivity – pH Determination	EPA 9040 B
120.080	001	Corrosivity – pH Determination	EPA 9045 C

Field of Testing: 121 – Bulk Asbestos Analysis of Hazardous Waste

Subgroup Code	Analyte Code	Analyte	Method
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

North Coast Laboratories, Ltd.

5680 West End Road

Arcata, CA 95521

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1247**

Effective Date: **8/1/2020**

Expiration Date: **7/31/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

North Coast Laboratories, Ltd.

5680 West End Road
Arcata, CA 95521
Phone: 7078224649

Certificate Number: 1247
Expiration Date: 7/31/2022

Field of Accreditation: 101 - Microbiology of Drinking Water			
101.010	001	Heterotrophic Bacteria	SM 9215 B
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
Field of Accreditation: 102 - Inorganic Chemistry of Drinking Water			
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.100	001	Alkalinity	SM 2320 B-1997
102.120	001	Hardness (Calculation)	SM 2340 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.240	001	Phosphate,Ortho (as P)	SM 4500-P E-1999
102.262	001	Organic Carbon-Total (TOC)	SM 5310 C-2000
102.263	001	Dissolved Organic Carbon (DOC)	SM 5310 C-2000
102.270	001	Surfactants	SM 5540 C-2000
Field of Accreditation: 103 - Toxic Chemical Elements of Drinking Water			
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7

103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1

Field of Accreditation:104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane (Ethylene Dichloride)	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2

104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	059	o-Xylene	EPA 524.2
104.040	063	m+p-Xylene	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane (Freon 113)	EPA 524.2
104.050	006	t-Butyl alcohol (2-Methyl-2-propanol)	EPA 524.2

Field of Accreditation:105 - Semi-volatile Organic Chemistry of Drinking Water

105.010	002	Alachlor	EPA 505
105.010	004	Chlordane	EPA 505
105.010	006	Endrin	EPA 505
105.010	007	Heptachlor	EPA 505
105.010	008	Heptachlor Epoxide	EPA 505
105.010	009	Hexachlorobenzene	EPA 505
105.010	010	Hexachlorocyclopentadiene	EPA 505

105.010	011	Lindane (HCH-gamma)	EPA 505
105.010	012	Methoxychlor	EPA 505
105.010	014	Toxaphene	EPA 505
105.010	015	PCBs as Aroclors (screen)	EPA 505
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.082	001	2,4-D	EPA 515.3
105.082	002	Dinoseb	EPA 515.3
105.082	003	Pentachlorophenol	EPA 515.3
105.082	004	Picloram	EPA 515.3
105.082	005	2,4,5-TP (Silvex)	EPA 515.3
105.082	006	Bentazon	EPA 515.3
105.082	007	Dalapon	EPA 515.3
105.082	008	Dicamba	EPA 515.3
105.100	001	Aldicarb (Temik)	EPA 531.1
105.100	002	Aldicarb Sulfone	EPA 531.1
105.100	003	Aldicarb Sulfoxide	EPA 531.1
105.100	004	Carbaryl (Sevin)	EPA 531.1
105.100	005	Carbofuran (Furadan)	EPA 531.1
105.100	006	3-Hydroxycarbofuran	EPA 531.1
105.100	007	Methomyl (Lannate)	EPA 531.1
105.100	008	Oxamyl	EPA 531.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.161	001	Benzo(a)pyrene	EPA 550.1
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2

Field of Accreditation: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006

107.005	001	E. coli (Enumeration)	SM 9223 B-2004

Field of Accreditation:108 - Inorganic Constituents in Non-Potable Water

108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.053	002	Oil & Grease Total	EPA 1664 B
108.063	001	Alkalinity	SM 2320 B-2011
108.065	001	Hardness (Calculation)	SM 2340 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011
108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.140	001	Ammonia (as N)	SM 4500-NH3 D-2011
108.140	002	Kjeldahl Nitrogen,Total (as N)	SM 4500-NH3 D-2011
108.175	001	Phosphate,Ortho (as P)	SM 4500-P E-2011
108.175	002	Phosphorus,Total	SM 4500-P E-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.217	001	Organic Carbon-Total (TOC)	SM 5310 C-2011
108.225	001	Surfactants	SM 5540 C-2011
108.325	001	Chemical Oxygen Demand	Hach 8000

Field of Accreditation:109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)

109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)
109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.687	001	Chromium VI (Hexavalent Chromium)	SM 3500-Cr C-2011

Field of Accreditation:110 - Volatile Organic Constituents in Non-Potable Water

110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1

110.040	013	2-Chloroethyl vinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1
110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane (Ethylene Dichloride)	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloropropene)	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.040	046	m+p-Xylene	EPA 624.1

Field of Accreditation:111 - Semi-volatile Organic Constituents in Non-Potable Water

111.030	002	Bis(2-ethylhexyl)phthalate (Di(2-ethylhexyl) phthalate)	EPA 606
111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3

111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016 (Aroclor-1016)	EPA 608.3
111.055	020	PCB-1221 (Aroclor-1221)	EPA 608.3
111.055	021	PCB-1232 (Aroclor-1232)	EPA 608.3
111.055	022	PCB-1242 (Aroclor-1242)	EPA 608.3
111.055	023	PCB-1248 (Aroclor-1248)	EPA 608.3
111.055	024	PCB-1254 (Aroclor-1254)	EPA 608.3
111.055	025	PCB-1260 (Aroclor-1260)	EPA 608.3
111.055	038	Chlorothalonil	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.120	001	2,4-D	EPA 615
111.120	002	2,4-DB	EPA 615
111.120	003	Dicamba	EPA 615
111.120	004	Dichloroprop	EPA 615
111.120	005	Dinoseb	EPA 615
111.120	008	2,4,5-T	EPA 615
111.120	009	2,4,5-TP (Silvex)	EPA 615
111.190	008	Ziram (Zinc Dimethyldithiocarbamate)	EPA 630
111.210	002	Barban	EPA 632
111.210	003	Carbaryl (Sevin)	EPA 632
111.210	004	Carbofuran (Furadan)	EPA 632
111.210	005	Chloropropham	EPA 632
111.210	006	Diuron	EPA 632
111.210	007	Fenuron	EPA 632
111.210	009	Linuron	EPA 632
111.210	010	Methiocarb (Mesurol)	EPA 632
111.210	011	Methomyl (Lannate)	EPA 632
111.210	013	Monuron	EPA 632
111.210	015	Neburon	EPA 632
111.210	016	Propham	EPA 632
111.210	017	Propoxur (Baygon)	EPA 632
111.210	018	Siduron	EPA 632
111.210	019	Swep	EPA 632

Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B

114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.141	001	Mercury	EPA 7471 A
114.241	001	Corrosivity - pH Determination	EPA 9045 C

Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appe

Field of Accreditation:116 - Volatile Organic Compounds in Hazardous Waste

116.080	000	Volatile Organic Compounds	EPA 8260 B
116.080	120	Oxygenates	EPA 8260 B
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS
116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT

Field of Accreditation:117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel Range Organics (DRO)	EPA 8015 B
117.016	001	Diesel Range Organics (DRO)	LUFT
117.150	000	Carbonyl Compounds	EPA 8315 A

117.210	000	Organochlorine Pesticides	EPA 8081 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.280	000	Carbamates	EPA 8321 A

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Pat-Chem Laboratories

1824 First Street

San Fernando, CA 91340

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1531**

Effective Date: **6/1/2021**

Expiration Date: **5/31/2022**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Weck Laboratories, Inc.

14859 East Clark Avenue
City of Industry, CA 91745
Phone: 6263362139

Certificate No. **1132**
Expiration Date **3/31/2022**

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.020	004	Total Coliform (Enumeration)	SM 9221 B,C
101.020	005	Fecal Coliform (Enumeration)	SM 9221 B,E
101.020	006	E. coli (Enumeration)	SM 9221 B,F
101.050	001	Total Coliform P/A	SM 9223 B Colilert
101.050	002	E. coli P/A	SM 9223 B Colilert
101.050	003	Total Coliform (Enumeration)	SM 9223 B Colilert
101.050	004	E. coli (Enumeration)	SM 9223 B Colilert
101.050	005	Total Coliform P/A	SM 9223 B Colilert 18
101.050	006	E. coli P/A	SM 9223 B Colilert 18
101.050	007	Total Coliform (Enumeration)	SM 9223 B Colilert 18
101.050	008	E. coli (Enumeration)	SM 9223 B Colilert 18
101.050	009	Total Coliform P/A	SM 9223 B Colisure
101.050	010	E. coli P/A	SM 9223 B Colisure
101.140	001	Enterococci	SM 9230 B
101.170	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (Calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	009	Sulfate (as SO4)	EPA 300.0
102.040	001	Bromide	EPA 300.1
102.040	002	Chlorite	EPA 300.1
102.040	003	Chlorate	EPA 300.1

102.040	004	Bromate	EPA 300.1
102.045	001	Perchlorate	EPA 314.0
102.047	001	Perchlorate	EPA 331.0
102.048	001	Perchlorate	EPA 332.0
102.050	001	Cyanide, Total	EPA 335.4
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite (as N)	EPA 353.2
102.070	001	Phosphate,Ortho (as P)	EPA 365.1
102.086	001	Dissolved Organic Carbon (DOC)	EPA 415.3 Revision 1.2
102.086	002	Specific UV Absorbance SUVA	EPA 415.3 Revision 1.2
102.086	003	Organic Carbon-Total (TOC)	EPA 415.3 Revision 1.2
102.086	004	UV254	EPA 415.3 Revision 1.2
102.090	001	Bromate	EPA 557
102.100	001	Alkalinity	SM 2320 B-1997
102.130	001	Specific Conductance	SM 2510 B-1997
102.140	001	Residue, Filterable TDS	SM 2540 C-1997
102.175	001	Chlorine, Free	SM 4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM 4500-Cl G-2000
102.180	001	Chlorine Dioxide	SM 4500-ClO2 D-2000
102.203	001	Hydrogen Ion (pH)	SM 4500-H+ B-2000
102.260	001	Organic Carbon-Total (TOC)	SM 5310 B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM 5310 B-2000
102.270	001	Surfactants	SM 5540 C-2000
102.280	001	UV254	SM 5910 B-2011
102.570	001	Cyanide, Free	OIA-1677, DW

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8

103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	019	Strontium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.311	001	Chromium (VI)	EPA 218.7

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane (DBCP)	EPA 504.1
104.035	001	1,2,3-Trichloropropane (TCP)	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.2
104.040	026	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.2
104.040	027	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.2
104.040	028	Dichloromethane (Methylene Chloride)	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 524.2
104.040	034	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethylene (Tetrachloroethene)	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethylene (Trichloroethene)	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	061	Carbon Disulfide	EPA 524.2
104.040	062	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.055	022	1,2-Dibromo-3-chloropropane (DBCP)	EPA 524.3
104.055	023	1,2-Dibromoethane (EDB, Ethylene Dibromide)	EPA 524.3
104.058	000	Volatile Organic Compounds	EPA 524.4
104.058	001	Benzene	EPA 524.4
104.058	002	Carbon Tetrachloride	EPA 524.4
104.058	003	Chlorobenzene	EPA 524.4
104.058	004	1,2-Dichlorobenzene	EPA 524.4
104.058	005	1,4-Dichlorobenzene	EPA 524.4
104.058	006	1,2-Dichloroethane	EPA 524.4
104.058	007	cis-1,2-Dichloroethylene (cis 1,2 Dichloroethene)	EPA 524.4

104.058	008	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 524.4
104.058	009	Dichloromethane (Methylene Chloride)	EPA 524.4
104.058	010	1,2-Dichloropropane	EPA 524.4
104.058	011	Ethylbenzene	EPA 524.4
104.058	012	Styrene	EPA 524.4
104.058	013	Tetrachloroethylene (Tetrachloroethene)	EPA 524.4
104.058	014	1,1,1-Trichloroethane	EPA 524.4
104.058	015	Trichloroethylene (Trichloroethene)	EPA 524.4
104.058	016	Toluene	EPA 524.4
104.058	017	1,2,4-Trichlorobenzene	EPA 524.4
104.058	018	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 524.4
104.058	019	1,1,2-Trichloroethane	EPA 524.4
104.058	020	Vinyl Chloride	EPA 524.4
104.058	021	Xylenes, Total	EPA 524.4
104.059	000	Trihalomethanes, Total	EPA 524.4
104.059	001	Bromodichloromethane	EPA 524.4
104.059	002	Bromoform	EPA 524.4
104.059	003	Chloroform	EPA 524.4
104.059	004	Dibromochloromethane (Chlorodibromomethane)	EPA 524.4
104.061	000	Gasoline Additives	EPA 524.4
104.061	001	Di-isopropyl Ether (DIPE)	EPA 524.4
104.061	003	tert-Amyl Methyl Ether (TAME)	EPA 524.4
104.061	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.4
104.061	005	Trichlorofluoromethane (Freon 11)	EPA 524.4
104.061	006	tert-Butyl Alcohol (TBA)	EPA 524.4
104.061	007	Trichlorotrifluoroethane (Freon 113)	EPA 524.4

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.035	000	Organochlorine Pesticides and PCBs	EPA 508
105.035	001	Aldrin	EPA 508
105.035	005	Endrin	EPA 508
105.035	007	Heptachlor	EPA 508
105.035	008	Heptachlor Epoxide	EPA 508
105.035	009	Hexachlorobenzene	EPA 508
105.035	010	Lindane (HCH-gamma)	EPA 508
105.035	011	Methoxychlor	EPA 508
105.035	012	Propachlor	EPA 508
105.035	013	Chlordane	EPA 508
105.035	014	Toxaphene	EPA 508
105.035	015	PCBs as Aroclors	EPA 508
105.035	016	Aroclor 1016	EPA 508
105.035	017	Aroclor 1221	EPA 508
105.035	018	Aroclor 1232	EPA 508

105.035	019	Aroclor 1242	EPA 508
105.035	020	Aroclor 1248	EPA 508
105.035	021	Aroclor 1254	EPA 508
105.035	022	Aroclor 1260	EPA 508
105.050	000	Organochlorine Pesticides	EPA 508.1
105.050	005	Chlordane (total)	EPA 508.1
105.050	010	Endrin	EPA 508.1
105.050	011	Heptachlor	EPA 508.1
105.050	012	Heptachlor Epoxide	EPA 508.1
105.050	013	Hexachlorobenzene	EPA 508.1
105.050	014	Hexachlorocyclopentadiene	EPA 508.1
105.050	015	Lindane (HCH-gamma)	EPA 508.1
105.050	016	Methoxychlor	EPA 508.1
105.050	019	Propachlor	EPA 508.1
105.050	021	PCB-1016	EPA 508.1
105.050	022	PCB-1221	EPA 508.1
105.050	023	PCB-1232	EPA 508.1
105.050	024	PCB-1242	EPA 508.1
105.050	025	PCB-1248	EPA 508.1
105.050	026	PCB-1254	EPA 508.1
105.050	027	PCB-1260	EPA 508.1
105.050	028	PCBs as Aroclors	EPA 508.1
105.050	029	Toxaphene	EPA 508.1
105.083	000	Chlorinated Acids	EPA 515.4
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP (Silvex)	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4
105.083	008	Dicamba	EPA 515.4
105.090	000	Semi-volatile Organic Compounds	EPA 525.2
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	005	Butachlor	EPA 525.2
105.090	007	Dieldrin	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	013	Endrin	EPA 525.2
105.090	014	Heptachlor	EPA 525.2

105.090	015	Heptachlor Epoxide	EPA 525.2
105.090	016	Hexachlorobenzene	EPA 525.2
105.090	017	Hexachlorocyclopentadiene	EPA 525.2
105.090	018	Lindane (HCH-gamma)	EPA 525.2
105.090	019	Methoxychlor	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	023	Pentachlorophenol	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.101	000	Carbamates	EPA 531.2
105.101	001	Carbofuran	EPA 531.2
105.101	002	Oxamyl	EPA 531.2
105.101	003	Aldicarb	EPA 531.2
105.101	004	Aldicarb Sulfone	EPA 531.2
105.101	005	Aldicarb Sulfoxide	EPA 531.2
105.101	006	Carbaryl	EPA 531.2
105.101	007	3-Hydroxycarbofuran	EPA 531.2
105.101	008	Methomyl	EPA 531.2
105.106	000	Per- and Polyfluorinated Alkyl Substances (PFAS)	EPA 537.1
105.120	001	Glyphosate	EPA 547
105.140	001	Endothall	EPA 548.1
105.150	001	Diquat	EPA 549.2
105.170	031	Disinfection Byproducts	EPA 551.1
105.201	001	Haloacetic Acids (HAA5)	EPA 552.3
105.210	002	2,4-D	EPA 555
105.210	004	Dinoseb	EPA 555
105.210	005	Pentachlorophenol	EPA 555
105.210	006	Picloram	EPA 555
105.210	007	2,4,5-TP (Silvex)	EPA 555
105.210	008	Bentazon	EPA 555
105.215	001	Haloacetic Acids (HAA5)	EPA 557
105.215	002	Dalapon	EPA 557
105.230	002	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Screenin	EPA 1613 B

Field of Testing: 106 - Radionuclides in Drinking Water

106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.092	001	Uranium	EPA 200.8
106.270	001	Gross Alpha	SM 7110 C
106.610	001	Radon-222	SM 7500-Rn

Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.001	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
107.001	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006

107.001	003	E. coli (Enumeration)	SM 9221 C,F-2006
107.007	002	Fecal Streptococci	SM 9230 B-2007
107.013	001	E. coli (Enumeration)	Colilert
107.015	001	E. coli (Enumeration)	Colilert 18
107.015	002	Fecal Coliform (Enumeration)	Colilert 18
107.017	001	Enterococci	Enterolert

Field of Testing: 108 - Inorganic Constituents in Non-Potable Water

108.007	001	Residue, Volatile	EPA 160.4 (1971)
108.009	001	Turbidity	EPA 180.1 (1993 Rev. 2.0)
108.013	001	Calcium	EPA 200.7 (1994 Rev. 4.4)
108.013	002	Magnesium	EPA 200.7 (1994 Rev. 4.4)
108.013	003	Phosphorus,Total	EPA 200.7 (1994 Rev. 4.4)
108.013	004	Potassium	EPA 200.7 (1994 Rev. 4.4)
108.013	005	Silica, Dissolved	EPA 200.7 (1994 Rev. 4.4)
108.013	006	Sodium	EPA 200.7 (1994 Rev. 4.4)
108.015	001	Calcium	EPA 200.8 (1994 Rev. 5.4)
108.015	002	Magnesium	EPA 200.8 (1994 Rev. 5.4)
108.015	003	Potassium	EPA 200.8 (1994 Rev. 5.4)
108.015	005	Sodium	EPA 200.8 (1994 Rev. 5.4)
108.017	001	Bromide	EPA 300.0 (1993 Rev. 2.1)
108.017	002	Chloride	EPA 300.0 (1993 Rev. 2.1)
108.017	003	Fluoride	EPA 300.0 (1993 Rev. 2.1)
108.017	004	Nitrate (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	005	Nitrate-Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	006	Nitrite (as N)	EPA 300.0 (1993 Rev. 2.1)
108.017	008	Sulfate (as SO4)	EPA 300.0 (1993 Rev. 2.1)
108.019	001	Bromide	EPA 300.1 (1997 Rev.1.0)
108.023	001	Cyanide, Total	EPA 335.4 (1993 Rev. 1.0)
108.025	001	Ammonia (as N)	EPA 350.1 (1993 Rev. 2.0)
108.029	001	Kjeldahl Nitrogen,Total (as N)	EPA 351.2 (1993 Rev. 2.0)
108.033	001	Nitrate-Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.033	002	Nitrite (as N)	EPA 353.2 (1993 Rev. 2.0)
108.035	001	Phosphate,Ortho (as P)	EPA 365.1 (1993 Rev. 2.0)
108.035	002	Phosphorus,Total	EPA 365.1 (1993 Rev. 2.0)
108.037	001	Phosphate,Ortho (as P)	EPA 365.3 (1978)
108.037	002	Phosphorus,Total	EPA 365.3 (1978)
108.045	001	Chemical Oxygen Demand	EPA 410.4 (1993 Rev. 2.0)
108.049	001	Phenols, Total	EPA 420.4 (1993 Rev. 2.0)
108.053	002	Oil & Grease Total	EPA 1664 B
108.055	001	Color	SM 2120 B-2011
108.063	001	Alkalinity	SM 2320 B-2011
108.069	001	Specific Conductance	SM 2510 B-2011

108.071	001	Residue, Total	SM 2540 B-2011
108.073	001	Residue, Filterable TDS	SM 2540 C-2011
108.075	001	Residue, Non-filterable TSS	SM 2540 D-2011
108.077	001	Residue, Volatile	SM 2540 E-2011
108.079	001	Residue, Settleable	SM 2540 F-2011
108.080	001	Temperature	SM 2550 B-2010
108.114	001	Chlorine, Total Residual	SM 4500-Cl G-2011
108.114	002	Chlorine, Free	SM 4500-Cl G-2011
108.129	001	Cyanide, Available	SM 4500-CN G-2011
108.137	001	Hydrogen Ion (pH)	SM 4500-H+ B-2011
108.173	001	Oxygen, Dissolved	SM 4500-O G-2011
108.189	001	Sulfite (as SO3)	SM 4500-SO3 B-2011
108.201	001	Sulfide (as S)	SM 4500-S D-2011
108.207	001	Biochemical Oxygen Demand	SM 5210 B-2011
108.207	002	Carbonaceous BOD	SM 5210 B-2011
108.215	001	Organic Carbon-Total (TOC)	SM 5310 B-2011
108.225	001	Surfactants	SM 5540 C-2011
108.321	001	Cyanide, Total	ASTM D7511-12
108.339	001	Cyanide, Available	OIA-1677-09

Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water

109.623	001	Aluminum	EPA 200.7 (1994 Rev. 4.4)
109.623	002	Antimony	EPA 200.7 (1994 Rev. 4.4)
109.623	003	Arsenic	EPA 200.7 (1994 Rev. 4.4)
109.623	004	Barium	EPA 200.7 (1994 Rev. 4.4)
109.623	005	Beryllium	EPA 200.7 (1994 Rev. 4.4)
109.623	006	Boron	EPA 200.7 (1994 Rev. 4.4)
109.623	007	Cadmium	EPA 200.7 (1994 Rev. 4.4)
109.623	008	Chromium	EPA 200.7 (1994 Rev. 4.4)
109.623	009	Cobalt	EPA 200.7 (1994 Rev. 4.4)
109.623	010	Copper	EPA 200.7 (1994 Rev. 4.4)
109.623	011	Iron	EPA 200.7 (1994 Rev. 4.4)
109.623	012	Lead	EPA 200.7 (1994 Rev. 4.4)
109.623	013	Manganese	EPA 200.7 (1994 Rev. 4.4)
109.623	014	Molybdenum	EPA 200.7 (1994 Rev. 4.4)
109.623	015	Nickel	EPA 200.7 (1994 Rev. 4.4)
109.623	016	Selenium	EPA 200.7 (1994 Rev. 4.4)
109.623	017	Silver	EPA 200.7 (1994 Rev. 4.4)
109.623	018	Thallium	EPA 200.7 (1994 Rev. 4.4)
109.623	019	Tin	EPA 200.7 (1994 Rev. 4.4)
109.623	020	Titanium	EPA 200.7 (1994 Rev. 4.4)
109.623	021	Vanadium	EPA 200.7 (1994 Rev. 4.4)
109.623	022	Zinc	EPA 200.7 (1994 Rev. 4.4)

109.625	001	Aluminum	EPA 200.8 (1994 Rev. 5.4)
109.625	002	Antimony	EPA 200.8 (1994 Rev. 5.4)
109.625	003	Arsenic	EPA 200.8 (1994 Rev. 5.4)
109.625	004	Barium	EPA 200.8 (1994 Rev. 5.4)
109.625	005	Beryllium	EPA 200.8 (1994 Rev. 5.4)
109.625	006	Boron	EPA 200.8 (1994 Rev. 5.4)
109.625	007	Cadmium	EPA 200.8 (1994 Rev. 5.4)
109.625	008	Chromium	EPA 200.8 (1994 Rev. 5.4)
109.625	009	Cobalt	EPA 200.8 (1994 Rev. 5.4)
109.625	010	Copper	EPA 200.8 (1994 Rev. 5.4)
109.625	012	Iron	EPA 200.8 (1994 Rev. 5.4)
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
109.625	014	Manganese	EPA 200.8 (1994 Rev. 5.4)
109.625	015	Molybdenum	EPA 200.8 (1994 Rev. 5.4)
109.625	016	Nickel	EPA 200.8 (1994 Rev. 5.4)
109.625	017	Selenium	EPA 200.8 (1994 Rev. 5.4)
109.625	018	Silver	EPA 200.8 (1994 Rev. 5.4)
109.625	019	Thallium	EPA 200.8 (1994 Rev. 5.4)
109.625	020	Tin	EPA 200.8 (1994 Rev. 5.4)
109.625	021	Titanium	EPA 200.8 (1994 Rev. 5.4)
109.625	022	Vanadium	EPA 200.8 (1994 Rev. 5.4)
109.625	023	Zinc	EPA 200.8 (1994 Rev. 5.4)
109.629	001	Chromium (VI)	EPA 218.6 (1994 Rev. 3.3)
109.635	001	Mercury	EPA 245.1 (1994 Rev. 3.0)
109.657	001	Mercury	EPA 1631 E (2002)

Field of Testing: 110 - Volatile Organic Constituents in Non-Potable Water

110.040	001	Acetone	EPA 624.1
110.040	002	Acetonitrile	EPA 624.1
110.040	003	Acrolein	EPA 624.1
110.040	004	Acrylonitrile	EPA 624.1
110.040	005	Benzene	EPA 624.1
110.040	006	Bromodichloromethane	EPA 624.1
110.040	007	Bromoform	EPA 624.1
110.040	008	Bromomethane (Methyl Bromide)	EPA 624.1
110.040	009	tert-Butyl Alcohol (TBA)	EPA 624.1
110.040	010	Carbon Tetrachloride	EPA 624.1
110.040	011	Chlorobenzene	EPA 624.1
110.040	012	Chloroethane	EPA 624.1
110.040	013	2-Chloroethylvinyl Ether	EPA 624.1
110.040	014	Chloroform	EPA 624.1
110.040	015	Chloromethane (Methyl Chloride)	EPA 624.1
110.040	016	Dibromochloromethane (Chlorodibromomethane)	EPA 624.1

110.040	017	1,2-Dichlorobenzene	EPA 624.1
110.040	018	1,3-Dichlorobenzene	EPA 624.1
110.040	019	1,4-Dichlorobenzene	EPA 624.1
110.040	020	1,1-Dichloroethane	EPA 624.1
110.040	021	1,2-Dichloroethane	EPA 624.1
110.040	022	1,1-Dichloroethylene (1,1-Dichloroethene)	EPA 624.1
110.040	023	trans-1,2-Dichloroethylene (trans- 1,2 Dichloroethene)	EPA 624.1
110.040	024	1,2-Dichloropropane	EPA 624.1
110.040	025	cis-1,3-Dichloropropylene (cis 1,3 Dichloropropene)	EPA 624.1
110.040	026	trans-1,3-Dichloropropylene (trans-1,3 Dichloroprope	EPA 624.1
110.040	029	Ethylbenzene	EPA 624.1
110.040	031	Methylene Chloride (Dichloromethane)	EPA 624.1
110.040	032	4-Methyl-2-pentanone (MIBK)	EPA 624.1
110.040	034	1,1,2,2-Tetrachloroethane	EPA 624.1
110.040	035	Tetrachloroethylene (Tetrachloroethene)	EPA 624.1
110.040	037	Toluene	EPA 624.1
110.040	038	1,1,1-Trichloroethane	EPA 624.1
110.040	039	1,1,2-Trichloroethane	EPA 624.1
110.040	040	Trichloroethylene (Trichloroethene)	EPA 624.1
110.040	041	Vinyl Chloride	EPA 624.1
110.040	042	m-Xylene	EPA 624.1
110.040	043	o-Xylene	EPA 624.1
110.040	044	p-Xylene	EPA 624.1
110.040	045	Trichlorofluoromethane	EPA 624.1
110.070	002	n-Amyl Acetate	EPA 1666
110.070	004	n-Butyl Acetate	EPA 1666
110.070	005	tert-Butyl Alcohol (TBA)	EPA 1666
110.070	006	Diethylamine	EPA 1666
110.070	007	Dimethyl Sulfoxide	EPA 1666
110.070	009	Ethyl Acetate	EPA 1666
110.070	010	n-Heptane	EPA 1666
110.070	011	n-Hexane	EPA 1666
110.070	012	Isobutyraldehyde	EPA 1666
110.070	013	Isopropyl Acetate	EPA 1666
110.070	014	Isopropyl Alcohol (Isopropanol)	EPA 1666
110.070	015	Isopropyl Ether (DIPE)	EPA 1666
110.070	017	2-Methoxyethanol	EPA 1666
110.070	018	Methyl Formate	EPA 1666
110.070	019	4-Methyl-2-pentanone (MIBK)	EPA 1666
110.070	021	Tetrahydrofuran	EPA 1666
110.070	022	Triethylamine	EPA 1666
110.070	023	m-Xylene	EPA 1666

110.070	024	o-Xylene	EPA 1666
110.070	025	p-Xylene	EPA 1666

Field of Testing: 111 - Semi-volatile Organic Constituents in Non-Potable Water

111.055	001	Aldrin	EPA 608.3
111.055	002	alpha-BHC	EPA 608.3
111.055	003	beta-BHC	EPA 608.3
111.055	004	delta-BHC	EPA 608.3
111.055	005	gamma-BHC (Lindane)	EPA 608.3
111.055	006	Chlordane	EPA 608.3
111.055	007	4,4'-DDD	EPA 608.3
111.055	008	4,4'-DDE	EPA 608.3
111.055	009	4,4'-DDT	EPA 608.3
111.055	010	Dieldrin	EPA 608.3
111.055	011	Endosulfan I	EPA 608.3
111.055	012	Endosulfan II	EPA 608.3
111.055	013	Endosulfan Sulfate	EPA 608.3
111.055	014	Endrin	EPA 608.3
111.055	015	Endrin Aldehyde	EPA 608.3
111.055	016	Heptachlor	EPA 608.3
111.055	017	Heptachlor Epoxide	EPA 608.3
111.055	019	PCB-1016	EPA 608.3
111.055	020	PCB-1221	EPA 608.3
111.055	021	PCB-1232	EPA 608.3
111.055	022	PCB-1242	EPA 608.3
111.055	023	PCB-1248	EPA 608.3
111.055	024	PCB-1254	EPA 608.3
111.055	025	PCB-1260	EPA 608.3
111.055	046	Methoxychlor	EPA 608.3
111.055	050	Pentachloronitrobenzene (PCNB)	EPA 608.3
111.055	060	Toxaphene	EPA 608.3
111.160	001	Acenaphthene	EPA 625.1
111.160	002	Acenaphthylene	EPA 625.1
111.160	003	Anthracene	EPA 625.1
111.160	004	Benzidine	EPA 625.1
111.160	005	Benzo(a)anthracene	EPA 625.1
111.160	006	Benzo(a)pyrene	EPA 625.1
111.160	007	Benzo(b)fluoranthene	EPA 625.1
111.160	008	Benzo(g,h,i)perylene	EPA 625.1
111.160	009	Benzo(k)fluoranthene	EPA 625.1
111.160	010	Bis(2-chloroethoxy) Methane	EPA 625.1
111.160	011	Bis(2-chloroethyl) Ether	EPA 625.1
111.160	012	Bis(2-chloroisopropyl) Ether	EPA 625.1

111.160	013	Bis(2-ethylhexyl)phthalate	EPA 625.1
111.160	014	4-Bromophenyl Phenyl Ether	EPA 625.1
111.160	015	Butyl Benzyl Phthalate	EPA 625.1
111.160	016	2-Chloronaphthalene	EPA 625.1
111.160	017	4-Chlorophenyl Phenyl Ether	EPA 625.1
111.160	018	Chrysene	EPA 625.1
111.160	019	Dibenz(a,h)anthracene	EPA 625.1
111.160	020	3,3'-Dichlorobenzidine	EPA 625.1
111.160	021	Diethyl Phthalate	EPA 625.1
111.160	022	Dimethyl Phthalate	EPA 625.1
111.160	023	Di-n-butyl Phthalate	EPA 625.1
111.160	024	2,4-Dinitrotoluene	EPA 625.1
111.160	025	2,6-Dinitrotoluene	EPA 625.1
111.160	026	Di-n-octyl Phthalate	EPA 625.1
111.160	027	Fluoranthene	EPA 625.1
111.160	028	Fluorene	EPA 625.1
111.160	029	Hexachlorobenzene	EPA 625.1
111.160	030	Hexachlorobutadiene	EPA 625.1
111.160	031	Hexachloroethane	EPA 625.1
111.160	032	Indeno(1,2,3-c,d)pyrene	EPA 625.1
111.160	033	Isophorone	EPA 625.1
111.160	034	Naphthalene	EPA 625.1
111.160	035	Nitrobenzene	EPA 625.1
111.160	036	N-nitrosodi-n-propylamine	EPA 625.1
111.160	037	Phenanthrene	EPA 625.1
111.160	038	Pyrene	EPA 625.1
111.160	039	1,2,4-Trichlorobenzene	EPA 625.1
111.160	040	4-Chloro-3-methylphenol	EPA 625.1
111.160	041	2-Chlorophenol	EPA 625.1
111.160	042	2,4-Dichlorophenol	EPA 625.1
111.160	043	2,4-Dimethylphenol	EPA 625.1
111.160	044	2,4-Dinitrophenol	EPA 625.1
111.160	045	2-Methyl-4,6-dinitrophenol	EPA 625.1
111.160	046	2-Nitrophenol	EPA 625.1
111.160	047	4-Nitrophenol	EPA 625.1
111.160	048	Pentachlorophenol	EPA 625.1
111.160	049	Phenol	EPA 625.1
111.160	050	2,4,6-Trichlorophenol	EPA 625.1
111.210	006	Diuron	EPA 632
111.260	041	N-nitrosodimethylamine	EPA 1625 B
111.260	042	N-nitrosodi-n-propylamine	EPA 1625 B
111.260	043	N-nitrosodiphenylamine	EPA 1625 B

111.345	001	N-Ethylperfluorooctane Sulfonamido Acetic Acid (NEt	DoD QSM Version 5.1 (or newer)
111.345	002	4:2 Fluorotelomer Sulfonic Acid (4:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	003	6:2 Fluorotelomer Sulfonic Acid (6:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	004	8:2 Fluorotelomer Sulfonic Acid (8:2 FTS)	DoD QSM Version 5.1 (or newer)
111.345	005	N-Methylperfluorooctane Sulfonamido Acetic Acid (N	DoD QSM Version 5.1 (or newer)
111.345	006	Perfluorobutanoic Acid (PFBA)	DoD QSM Version 5.1 (or newer)
111.345	007	Perfluorobutane Sulfonic Acid (PFBS)	DoD QSM Version 5.1 (or newer)
111.345	008	Perfluorodecanoic Acid (PFDA)	DoD QSM Version 5.1 (or newer)
111.345	009	Perfluorododecanoic Acid (PFDoA)	DoD QSM Version 5.1 (or newer)
111.345	010	Perfluorodecane Sulfonic Acid (PFDS)	DoD QSM Version 5.1 (or newer)
111.345	011	Perfluoroheptanoic Acid (PFHpA)	DoD QSM Version 5.1 (or newer)
111.345	012	Perfluoroheptane Sulfonic Acid (PFHpS)	DoD QSM Version 5.1 (or newer)
111.345	013	Perfluorohexane Sulfonic Acid (PFHxS)	DoD QSM Version 5.1 (or newer)
111.345	014	Perfluorohexanoic Acid (PFHxA)	DoD QSM Version 5.1 (or newer)
111.345	015	Perfluorononanoic Acid (PFNA)	DoD QSM Version 5.1 (or newer)
111.345	016	Perfluorooctanoic Acid (PFOA)	DoD QSM Version 5.1 (or newer)
111.345	017	Perfluorooctane Sulfonic Acid (PFOS)	DoD QSM Version 5.1 (or newer)
111.345	018	Perfluorooctane Sulfonamide (PFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	019	Perfluoropentanoic Acid (PFPeA)	DoD QSM Version 5.1 (or newer)
111.345	020	Perfluoropentane Sulfonic Acid (PFPeS)	DoD QSM Version 5.1 (or newer)
111.345	021	Perfluorotetradecanoic Acid (PFTA)	DoD QSM Version 5.1 (or newer)
111.345	022	Perfluorotridecanoic Acid (PFTrDA)	DoD QSM Version 5.1 (or newer)
111.345	023	Perfluoroundecanoic Acid (PFUnDA)	DoD QSM Version 5.1 (or newer)
111.345	024	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)
111.345	025	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	DoD QSM Version 5.1 (or newer)
111.345	026	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	DoD QSM Version 5.1 (or newer)
111.345	027	N-Ethylperfluorooctane Sulfonamide (EtFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	028	N-Ethylperfluorooctane Sulfonamido Ethanol (EtFOS	DoD QSM Version 5.1 (or newer)
111.345	030	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	DoD QSM Version 5.1 (or newer)
111.345	031	N-Methylperfluorooctane Sulfonamide (MeFOSAm)	DoD QSM Version 5.1 (or newer)
111.345	032	N-Methylperfluorooctane Sulfonamido Ethanol (MeF	DoD QSM Version 5.1 (or newer)
111.345	034	Perfluorononane Sulfonic Acid (PFNS)	DoD QSM Version 5.1 (or newer)

Field of Testing: 112 - Radionuclides in Non-Potable Water

112.001	001	Gross Alpha	EPA 900.0
112.001	002	Gross Beta	EPA 900.0

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B

114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.222	001	Cyanide, Total	EPA 9014
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	030	Nonhalogenated Volatiles	EPA 8015 B

116.020	031	Ethanol and Methanol	EPA 8015 B
116.080	000	Volatile Organic Compounds	EPA 8260 B
116.090	000	Acrylamide, Acrylonitrile, Acrolein	EPA 8316
116.100	001	Total Petroleum Hydrocarbons - Gasoline (GRO)	LUFT GC/MS

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015 B
117.110	000	Extractable Organics	EPA 8270 C
117.111	071	Pesticides	EPA 8270 C
117.150	000	Carbonyl Compounds	EPA 8315 A
117.171	000	Nitroaromatics and Nitramines	EPA 8330 A
117.210	000	Organochlorine Pesticides	EPA 8081 A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141 A
117.250	000	Chlorinated Herbicides	EPA 8151 A
117.270	000	Carbamates, N-methylcarbamates	EPA 8318
117.280	000	Carbamates	EPA 8321 A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.070	001	Corrosivity - pH Determination	EPA 9040 B
120.080	001	Corrosivity - pH Determination	EPA 9045 C

Field of Testing: 126 - Microbiological Methods for Ambient Water

126.003	001	Total Coliform (Enumeration)	SM 9221 B,C-2006
126.003	002	Fecal Coliform (Enumeration)	SM 9221 C,E-2006
126.007	001	E. coli (Enumeration)	SM 9223 B-2004
126.015	001	E. coli (Enumeration)	Colilert
126.017	001	E. coli (Enumeration)	Colilert 18
126.019	001	Enterococci	Enterolert